

AMENDED FINAL REPORT

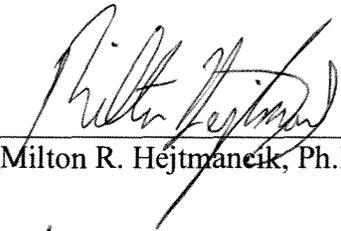
**90-DAY REPEATED DOSE SUBCHRONIC TOXICITY STUDY OF TOBACCO
BLEND AND AQUEOUS TOBACCO EXTRACT IN WISTAR HAN RATS**

**TESTING FACILITY:
BATTELLE**

**SPONSOR:
R.J. REYNOLDS TOBACCO COMPANY
RESEARCH AND DEVELOPMENT
BOWMAN GRAY TECHNICAL CENTER
WINSTON-SALEM, NC 27102**

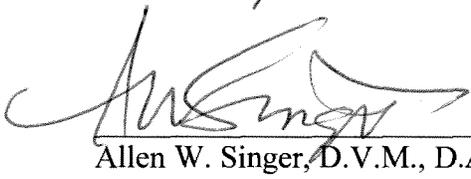
APRIL 2012

SIGNATURE PAGE



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4/23/12
Date



Allen W. Singer, D.V.M., D.A.C.V.P

Apr 23, 2012
Date

Amendment Summary to the Final Report

90-Day Repeated Dose Subchronic Toxicity Study of Tobacco Blend and Aqueous Tobacco Extract in Wistar Han Rats

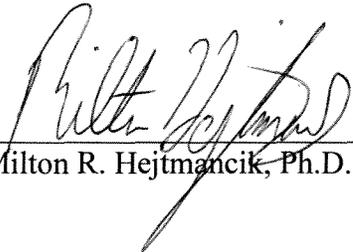
Battelle Study Number CN49730E

Parts Changed/Revised from the report signed on September 8, 2009:

1. Pages 12, 12a, and 13, Tables 2 through 4 have been revised and footnotes have been added.

Reason for these changes: These changes were made to correct numerical values and to provide further clarification.

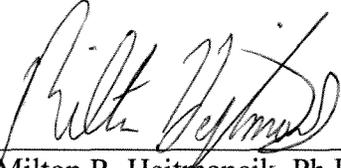
2. Appropriate changes were made to the title page, the Signature page, the Good Laboratory Practice Compliance Statement, and the Quality Assurance Statement. Due to the size of the original report, the title page and pages 2, 3, 5, 6, 7, 12, 12a, and 13 were replaced and indicated by "*amended page*" at the top of each amended page in the amended final report.


Milton R. Hejtmancik, Ph.D., D.A.B.T.

4/23/12
Date

GOOD LABORATORY PRACTICE COMPLIANCE STATEMENT

This study was conducted in compliance with the Food and Drug Administration's (FDA) Good Laboratory Practice (GLP) regulations (21 CFR Part 58), for the conduct of non-clinical laboratory studies with the following exceptions: characterization and stability analysis of bulk test articles ([Appendix B](#)) and serology analyses ([Appendix I](#)) were conducted, as intended, under non-GLP development procedures.



Milton R. Hejtmancik, Ph.D., D.A.B.T.
Study Director

4/23/12

Date

QUALITY ASSURANCE STATEMENT

This study was inspected by the Quality Assurance Unit and reports were submitted to the Study Director and management as follows:

Phase Inspected	Date Inspected	Date Reported to Study Director and Management
Protocol review	07/16/2008	07/16/2008
Formulation preparation	08/18/2008	08/18/2008
Dispensing	08/18/2008	08/18/2008
Formulation analysis	08/21/2008	08/21/2008
Ophthalmic examinations	08/26/2008	08/27/2008
Animal care functions	08/29/2008	08/29/2008
Animal room inspection	08/29/2008	08/29/2008
Group assignment	08/29/2008	08/29/2008
Test system identification	08/29/2008	08/29/2008
Animal care functions	09/02/2008	09/02/2008
Body weights	09/02/2008	09/02/2008
Clinical observations	09/02/2008	09/02/2008
Food consumption measurements	09/02/2008	09/02/2008
Test article administration - dosed feed	09/02/2008	09/02/2008
Dispensing	09/03/2008	09/03/2008
Anesthetization	09/16-17/2008	09/18/2008
Blood collection	09/16-17/2008	09/18/2008
Centrifugation	09/16-17/2008	09/18/2008
Sample aliquoting	09/16-17/2008	09/18/2008
Protocol amendment review	09/23/2008	09/23/2008
Plasma analysis	09/22-25/2008	09/26/2008
Liquid chromatography/mass spectrometry analysis	09/25/2008	09/26/2008
Formulation preparation	10/06/2008	10/07/2008
Dispensing	10/06/2008	10/07/2008
Sample aliquoting	10/06/2008	10/07/2008
Plasma analysis	10/07/2008	10/07/2008
Audit study file	10/16/2008	10/16/2008
Formulation preparation	10/16/2008	10/16/2008
Dispensing	10/16/2008	10/16/2008
Sample aliquoting	10/16/2008	10/16/2008
Audit study file	11/18/2008	11/18/2008
Animal room inspection	12/01/2008	12/03/2008
Fasting	12/01/2008	12/03/2008
Body weights	12/02/2008	12/03/2008
Clinical observations	12/02/2008	12/03/2008
Blood collection	12/02/2008	12/03/2008
Urine collection	12/02/2008	12/03/2008
Humane termination	12/02/2008	12/03/2008

Phase Inspected	Date Inspected	Date Reported to Study Director and Management
Necropsy/tissue collection	12/02/2008	12/03/2008
Organ weights	12/02/2008	12/03/2008
Clinical lab blood processing/analysis	12/02/2008	12/03/2008
Urinalysis	12/02/2008	12/03/2008
Protocol amendment review	12/10/2008	12/10/2008
Audit study file	12/11/2008	12/11/2008
Audit study file	12/19/2008	12/19/2008
Histology quality control	12/30/2008	12/30/2008
Microscopic evaluation	01/05/2009	01/06/2009
Audit study file	01/08/2009	01/08/2009
Audit study file	01/15/2009	01/15/2009
Protocol amendment review	02/16/2009	02/16/2009
Audit analytical report	03/05/2009	03/05/2009
Audit draft analytical report	03/13/2009	03/13/2009
Audit study file	03/13/2009	03/13/2009
Audit study file	04/10/2009	04/10/2009
Audit study file	05/14/2009	05/14/2009
Audit pathology narrative	05/20/2009	05/20/2009
Audit study file	05/20/2009	05/20/2009
Audit draft final report	06/11/2009	06/11/2009
Audit study file	07/30/2009	07/30/2009
Audit final report	08/25/2009	08/25/2009
Audit amended final report	04/12/2012	04/12/2012

Kathleen E. Need 4-20-12

Quality Assurance Unit
Battelle

Date

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SUMMARY

The objective of this study was to compare the subchronic toxicity of a tobacco blend, aqueous tobacco extract, and appropriate controls (nicotine tartrate positive control and diet negative control) in rodents. The following evaluations were performed: clinical observations, body weights, food consumption, clinical pathology, ophthalmic exams, gross necropsy, selected organ weights, and microscopic exams. Toxicokinetic evaluations of plasma for nicotine and cotinine were performed after Weeks 2, 4, 8, and 13 under continuous dosed feed exposure. The overall summary of the study design and the estimated nicotine doses of the nicotine tartrate, positive control, and tobacco blend and aqueous tobacco extract test articles are listed below (Table 1):

Table 1. Study Design for the 90-Day Repeated Dose Toxicity Study of Tobacco Blend and Aqueous Tobacco Extract in Wistar Han Rats

Group	Target Dosage of Nicotine (mg/kg BW ^a /day)	Dose Group Abbreviations ^b	
		Males	Females
1 - Control	0	CM	CF
2 - Nicotine Tartrate High Dose	6	NT6M	NT6F
3 - Tobacco Blend Low Dose	0.3	B0.3M	B0.3F
4 - Tobacco Blend Intermediate Dose	3	B3M	B3F
5 - Tobacco Blend High Dose	6	B6M	B6F
6 - Tobacco Extract Low Dose	0.3	E0.3M	E0.3F
7 - Tobacco Extract Intermediate Dose	3	E3M	E3F
8 - Tobacco Extract High Dose	6	E6M	E6F

a. BW = body weight.

b. Abbreviations used throughout the report to designate the dosage groups of male and female rats.

Dosing concentrations were derived based on the information provided in [Tables 2](#) through [4](#).

Table 2. Consumption Parameters of Tobacco Blend, Tobacco Extract, and Nicotine Tartrate Formulations – Initial Preparation

Dose Group	Target Nicotine/kg BW ^a /day (mg/kg/day)	Estimated Food Consumption (kg/day)	Estimated Body Weight (kg)	Target Nicotine/kg Feed (mg/kg)	Target TA ^b /kg Feed (mg/kg)	Target TA/kg Feed (%)	Concentration of Nicotine in TA ^{c,d,e} (mg/g)	Target TA ^{f,g,h} /kg BW/day (mg/kg/day)
B0.3M	0.3	0.025	0.20	2.4	91	0.01	26.28	11
B3M	3	0.025	0.20	24.0	913	0.09	26.28	114
B6M	6	0.025	0.20	48.0	1826	0.18	26.28	228
B0.3F	0.3	0.016	0.15	2.8	107	0.01	26.28	11
B3F	3	0.016	0.15	28.1	1070	0.11	26.28	114
B6F	6	0.016	0.15	56.3	2140	0.21	26.28	228
E0.3M	0.3	0.025	0.20	2.4	104	0.01	22.99	13
E3M	3	0.025	0.20	24.0	1044	0.10	22.99	130
E6M	6	0.025	0.20	48.0	2088	0.21	22.99	261
E0.3F	0.3	0.016	0.15	2.8	122	0.01	22.99	13
E3F	3	0.016	0.15	28.1	1223	0.12	22.99	130
E6F	6	0.016	0.15	56.3	2447	0.24	22.99	261
NT6M	6	0.025	0.20	48.0	137	0.01	2.85	17
NT6F	6	0.016	0.15	56.3	160	0.02	2.85	17

a. BW = body weight.

b. TA = test article.

c. Tobacco blend (TB) = 26.28 mg nicotine/g; therefore, the animal consumes 38.051 mg of TB to be dosed 1 mg of nicotine.

d. Tobacco extract (TE) = 22.99 mg nicotine/g; therefore, the animal consumes 43.497 mg of TE to be dosed 1 mg of nicotine.

e. The molecular weight (MW) of the nicotine tartrate (C₁₀H₁₄N₂-2C₄H₆O₆) positive control (NT) = 462.41, and the MW of nicotine (C₁₀H₁₄N₂) = 162.26; therefore, the animal consumes 462.41/162.2 = 2.85 mg NT to be dosed 1 mg of nicotine.

f. Target TB/kgBW/day = (target nicotine/kgBW/day) × (38.051 mg tobacco/mg nicotine).

g. Target TE/kgBW/day = (target nicotine/kgBW/day) × (43.497 mg tobacco/mg nicotine).

h. Target NT/kgBW/day = (target nicotine/kgBW/day) × (2.85 mg NT/mg nicotine).

Table 3. Consumption Parameters of Tobacco Blend, Tobacco Extract, and Nicotine Tartrate Formulations – Second Preparation

Dose Group	Target Nicotine/kg BW ^a /day (mg/kg/day)	Estimated Food Consumption (kg/day)	Estimated Body Weight (kg)	Target Nicotine/kg Feed (mg/kg)	Target TA ^b /kg Feed (mg/kg)	Target TA/kg Feed (%)	Concentration of Nicotine in TA ^{c,d,e} (mg/g)	Target TA ^{f,g,h} /kg BW/day (mg/kg/day)
B0.3M	0.3	0.025	0.30	3.6	137	0.01	26.28	11
B3M	3	0.025	0.30	36.0	1370	0.14	26.28	114
B6M	6	0.025	0.30	72.0	2740	0.27	26.28	228
B0.3F	0.3	0.016	0.20	3.8	143	0.01	26.28	11
B3F	3	0.016	0.20	37.5	1427	0.14	26.28	114
B6F	6	0.016	0.20	75.0	2854	0.29	26.28	228
E0.3M	0.3	0.025	0.30	3.6	157	0.02	22.99	13
E3M	3	0.025	0.30	36.0	1566	0.16	22.99	130
E6M	6	0.025	0.30	72.0	3132	0.31	22.99	261
E0.3F	0.3	0.016	0.20	3.8	163	0.02	22.99	13
E3F	3	0.016	0.20	37.5	1631	0.16	22.99	130
E6F	6	0.016	0.20	75.0	3262	0.33	22.99	261
NT6M	6	0.025	0.30	72.0	205	0.02	2.85	17
NT6F	6	0.016	0.20	75.0	214	0.02	2.85	17

a. BW = body weight.

b. TA = test article.

c. Tobacco blend (TB) = 26.28 mg nicotine/g; therefore, the animal consumes 38.051 mg of TB to be dosed 1 mg of nicotine.

d. Tobacco extract (TE) = 22.99 mg nicotine/g; therefore, the animal consumes 43.497 mg of TE to be dosed 1 mg of nicotine.

e. The molecular weight (MW) of the nicotine tartrate (C₁₀H₁₄N₂-2C₄H₆O₆) positive control (NT) = 462.41, and the MW of nicotine (C₁₀H₁₄N₂) = 162.26; therefore, the animal consumes 462.41/162.2 = 2.85 mg NT to be dosed 1 mg of nicotine.

f. Target TB/kgBW/day = (target nicotine/kgBW/day) × (38.051 mg tobacco/mg nicotine).

g. Target TE/kgBW/day = (target nicotine/kgBW/day) × (43.497 mg tobacco/mg nicotine).

h. Target NT/kgBW/day = (target nicotine/kgBW/day) × (2.85 mg NT/mg nicotine).

Table 4. Consumption Parameters of Tobacco Blend, Tobacco Extract, and Nicotine Tartrate Formulations – Third Preparation

Dose Group	Target Nicotine/kg BW ^a /day (mg/kg/day)	Estimated Food Consumption (kg/day)	Estimated Body Weight (kg)	Target Nicotine/kg Feed (mg/kg)	Target TA ^b /kg Feed (mg/kg)	Target TA/kg Feed (%)	Concentration of Nicotine in TA ^{c,d,e} (mg/g)	Target TA ^{f,g,h} /kg BW/day (mg/kg/day)
B0.3M	0.3	0.025	0.40	4.8	183	0.02	26.28	11
B3M	3	0.025	0.40	48.0	1826	0.18	26.28	114
B6M	6	0.025	0.40	96.0	3653	0.37	26.28	228
B0.3F	0.3	0.016	0.25	4.7	178	0.02	26.28	11
B3F	3	0.016	0.25	46.9	1784	0.18	26.28	114
B6F	6	0.016	0.25	93.8	3567	0.36	26.28	228
E0.3M	0.3	0.025	0.40	4.8	209	0.02	22.99	13
E3M	3	0.025	0.40	48.0	2088	0.21	22.99	130
E6M	6	0.025	0.40	96.0	4176	0.42	22.99	261
E0.3F	0.3	0.016	0.25	4.7	204	0.02	22.99	13
E3F	3	0.016	0.25	46.9	2039	0.20	22.99	130
E6F	6	0.016	0.25	93.8	4078	0.41	22.99	261
NT6M	6	0.025	0.40	96.0	274	0.03	2.85	17
NT6F	6	0.016	0.25	93.8	267	0.03	2.85	17

a. BW = body weight.

b. TA = test article.

c. Tobacco blend (TB) = 26.28 mg nicotine/g; therefore, the animal consumes 38.051 mg of TB to be dosed 1 mg of nicotine.

d. Tobacco extract (TE) = 22.99 mg nicotine/g; therefore, the animal consumes 43.497 mg of TE to be dosed 1 mg of nicotine.

e. The molecular weight (MW) of the nicotine tartrate (C₁₀H₁₄N₂·2C₄H₆O₆) positive control (NT) = 462.41, and the MW of nicotine (C₁₀H₁₄N₂) = 162.26; therefore, the animal consumes 462.41/162.2 = 2.85 mg NT to be dosed 1 mg of nicotine.

f. Target TB/kgBW/day = (target nicotine/kgBW/day) × (38.051 mg tobacco/mg nicotine).

g. Target TE/kgBW/day = (target nicotine/kgBW/day) × (43.497 mg tobacco/mg nicotine).

h. Target NT/kgBW/day = (target nicotine/kgBW/day) × (2.85 mg NT/mg nicotine).

1.0 INTRODUCTION

The objective of this study was to evaluate subchronic toxicity of a tobacco blend and aqueous tobacco extract in comparison to the nicotine tartrate positive control and diet negative control in Wistar Han rats. Plasma was analyzed after Weeks 2, 4, 8, and 13 to measure nicotine and cotinine concentrations from animals fed nicotine containing test articles in the diet and from animals fed the control diet.

R.J. Reynolds Tobacco Company was the Sponsor of the study. Dr. Suzana Theophilus was designated as the Sponsor Monitor and approved the study protocol.

The study was conducted at Battelle under the direction of Dr. Milton R. Hejtmancik. The in-life portion of the study began with exposure initiation on September 2, 2008 and ended with final necropsy on December 5, 2008.

2.0 EXPERIMENTAL DESIGN

Four hundred twenty-six male and female rats were randomized into eight dose groups. The study consisted of a 90-day toxicity study and a toxicokinetic study. Endpoints used to evaluate the potential toxicity of tobacco blend and aqueous tobacco extract were clinical observations, body weights, body weight changes, food consumption, ophthalmic exams, clinical pathology, gross necropsy, selected organ weights, and microscopic exams.

Toxicokinetic evaluations of nicotine tartrate, tobacco blend, and aqueous tobacco extract groups were performed after Weeks 2, 4, 8, and 13. The general study design is listed below.

Group	Target Dosage of Nicotine (mg/kg/day)	Number of Rats			
		Males		Females	
		Core	TK ^a	Core	TK
1 - Control	0	20	6	20	6
2 - Nicotine Tartrate High Dose	6	20	6	20	6
3 - Tobacco Blend Low Dose	0.3	20	6	20	6
4 - Tobacco Blend Intermediate Dose	3	20	6	20	6
5 - Tobacco Blend High Dose	6	20	6	20	6
6 - Tobacco Extract Low Dose	0.3	20	6	20	6
7 - Tobacco Extract Intermediate Dose	3	20	6	20	6
8 - Tobacco Extract High Dose	6	20	6	20	6

a. Nicotine/cotinine analysis.

TK = Toxicokinetic.

3.0 METHODS

3.1 Protocol and Amendments

The study protocol, amendments to the protocol and deviations from the protocol are provided in [Appendix A](#). There were no deviations that occurred during the conduct of the study that were considered to significantly affect the quality or integrity of the study.

3.2 Test Articles (Tobacco Blend, Aqueous Tobacco Extract) and Positive Control Article (Nicotine Hydrogen Tartrate Salt)

Test articles, a natural tobacco blend containing no additives and an aqueous tobacco extract, were supplied by R.J. Reynolds Tobacco Company and were received on May 7, 2008 in good condition. A total of approximately 1278 lbs of tobacco blend (Lot No. OT162AF) was received in 71 containers (18 lbs per bucket) and a total of approximately 1105.5 lbs of tobacco extract (Lot No. OT162AE) was received in 33 containers (33.5 lbs per bucket). Test articles were provided by the Sponsor in plastic buckets and were stored frozen (-30 to -15°C).

Nicotine hydrogen tartrate salt (Batch No. 028K0705) was supplied by Sigma-Aldrich. A total of approximately 1.8 kg of nicotine tartrate was received on May 20, 2008, (expiration date May 20, 2009) in good condition and was stored at room temperature. The certificates of analysis for test articles and the nicotine tartrate positive control are provided in [Appendix B](#). The identity, strength, purity, composition, stability, and methods of synthesis of test articles were the responsibility of the Sponsor.

Reserve samples of each set of the tobacco blend, aqueous tobacco extract, and the nicotine tartrate control article used to formulate the animal diets were collected under design form CN49730A-TASTAB. Reserve samples of the tobacco blend and tobacco extract will be maintained frozen (-30 to -15°C) and a reserve sample of the nicotine tartrate will be maintained at room temperature until submission of the chronic study final report.

3.3 Formulation Preparation and Analysis

3.3.1 Formulation Preparation

Diet formulations were prepared at monthly intervals according to a procedure developed by Battelle for this study, based on methods provided by the Sponsor. The concentration of test article in the feed was based on the anticipated food consumption in and body weight changes of Wistar Han rats to maintain a constant dose throughout the study. Exposure of the animals to the test articles and positive control was by *ad libitum* consumption of the NTP-2000 powdered feed. Formulations were stored at room temperature prior to use and were discarded on or after their expiration date. Stability of formulations were evaluated under design form CN49730A-FORMPRE.

3.3.2 Chemical Analysis of Formulations

One formulation analysis sample and one formulation retention sample were taken from the formulation batches prepared for each diet at each dose and were stored at room temperature. Nicotine was used as the tracking compound for the formulation analysis. Animal room samples were collected on the last day of use of the first formulation preparation. Homogeneity of dose formulations was evaluated under design form CN49730A-FORMPRE.

3.4 Experimental Animals

A total of 500 male and female Wistar Han rats were required for the study. A sufficient number of animals were obtained from Charles River Laboratories (Raleigh, NC) to provide the required number of healthy animals for testing. The rats were approximately four to five weeks of age at animal receipt and ranged in body weight from approximately 105 to 179 grams at Day 1 of the study. Rats were housed in Room 7C-074.

The rat was chosen as the test system because considerable scientific documentation of the rat as a predictive animal model for humans exists, and there are no *in vitro* or computer models that can replace the integrative function of the whole animal model. The Battelle Institutional Animal Care and Use Committee approved the proposed activities before implementation of this study.

3.4.1 Animal Housing and Environmental Conditions

All animals were received, quarantined, and housed in polycarbonate cages with hardwood bedding according to testing facility standard operating procedures (SOPs). Male rats were housed up to two per cage and female rats were housed up to three per cage. All housing and animal care and maintenance conformed to the Association for Assessment and Accreditation of Laboratory Animal Care (AAALAC) recommendations, current requirements stated in the Guide for the Care and Use of Laboratory Animals (National Research Council, 1996), and the U.S. Department of Agriculture through the Animal Welfare Act, as amended.

The environmental conditions of the animal study rooms conformed to the following: (1) the light/dark cycle was held at approximately 12 hours of light and 12 hours of dark each day during the study using fluorescent lighting, starting at approximately 6:00 AM each day; (2) the room temperature and relative humidity controls were set to provide from 64 to 79°F and 30 to 70 percent, respectively, and were monitored for conformance; and (3) fresh air was supplied to the room at a rate providing a minimum of ten changes of room air per hour.

3.4.2 Diet

Animals were fed powdered NTP-2000 rodent diet *ad libitum* according to facility SOP except when fasted prior to scheduled necropsy. The control group was fed the diet without test article and treated animals were fed the diet with the specified quantity of test article required to maintain their designated doses. Analysis reports of each feed lot were supplied by the vendor and were maintained by Battelle. There were no known or reported contaminants in the feed that would have any impact on study results or interpretations.

3.4.3 Water

Fresh water from the city of Columbus municipal water supply was provided *ad libitum* via automatic watering system. The water supply was monitored under Battelle SOPs. Water samples from Room 7C-074 were collected on October 23, 2008 for chemical and microbial analysis. Results were available on October 31 and November 14, 2008 and indicated there were no known or reported contaminants in the water that would have any impact on study results or interpretations. Water samples were collected and analyzed for chlorine December 2, 2008. Results indicated chlorine concentrations were within an acceptable range.

3.5 Treatment Group Allocation and Animal Identification

Animals were identified by pre-study numbers on cage cards during quarantine and acclimation. Following group assignment, rats were individually identified by tail tattoo.

Prior to the initiation of exposures, animals were assigned to study groups using the PATH/TOX SYSTEM (version 4.2.2, Xybion Medical Systems Corporation, Cedar Knolls, NJ). The PATH/TOX SYSTEM software algorithm ensures homogeneity of group variances with respect to body weight across all groups. The following were the group assignments and animal identification numbers:

Animal Identification Numbers				
Group	Males		Females	
	Core	TK	Core	TK
1	101-120	121-126	151-170	171-176
2	201-220	221-226	251-270	271-276
3	301-320	321-326	351-370	371-376
4	401-420	421-426	451-470	471-476
5	501-520	521-526	551-570	571-576
6	601-620	621-626	651-670	671-676
7	701-720	721-726	751-770	771-776
8	801-820	821-826	851-870	871-876
9	901-905	--	951-955	--

3.6 Experimental Design

Rats were randomized into eight treatment groups and 1 sentinel group. The study consisted of a subchronic toxicity study and a toxicokinetic study. Endpoints used to evaluate potential toxicity of tobacco blend, aqueous tobacco extract, and nicotine tartrate were clinical observations; body weights and body weight changes; food consumption; ophthalmic exams; and clinical and anatomic pathology including organ weights and microscopic examination of selected groups. Toxicokinetic evaluations of plasma nicotine and cotinine concentrations were performed on toxicokinetic animals.

3.7 Clinical Observations

Cage-side observations were made twice daily, for moribundity and mortality, once in the morning and once in the afternoon, throughout the duration of study. Clinical examinations

were conducted on all core animals prior to group assignment and at weekly intervals. A final detailed clinical examination was conducted on each core study rats on the day of scheduled necropsy.

3.8 Body Weights (Core and TK)

Individual body weights of animals were recorded on Day -5 (with respect to males) for randomization and group assignment. After initiation of dosing, body weights for core and TK study animals were recorded weekly on Study Days 1, 7, 14, 21, 28, 35, 42, 49, 56, 63, 70, 77, 84, and 91.

3.9 Food Consumption (Core Animals)

Quantitative food consumption was measured for core study animals weekly starting on Day 1. A known amount of food was placed in the feed container and reweighed after seven days. The difference in the weight of the food container was taken as a measurement of food consumed, and food consumption (g/day) was calculated.

3.10 Ophthalmic Examinations (Core Animals)

Ophthalmic examinations were conducted on all potential core animals according to facility SOP by a staff veterinarian prior to selection/group assignment. Exams were repeated near the termination of the study for all core study rats, excluding sentinels. A mydriatic was used for ophthalmic exams.

3.11 Toxicokinetic Blood Collections (TK Animals)

Six rats per sex were included in each dose group for determination of plasma nicotine and cotinine concentrations. Methodology for plasma nicotine and cotinine analysis was validated under design form CN49730A-BIOVAL.

Blood sampling occurred on each Tuesday (males) and Wednesday (females) of Weeks 2, 4, 8, and 13 (study termination). Samples were collected at a target time point of 12:00 AM based upon results for the 28-day toxicokinetic study. Data from the four sampling periods was used to evaluate dose proportionality and nicotine metabolism by sex and group.

Toxicokinetic study rats were anesthetized with CO₂/O₂ and blood was collected retro-orbitally into tubes containing potassium EDTA as the anti-coagulant. A target volume of 500 µL of blood was drawn of each time point according to facility SOPs. Samples were placed on wet ice until centrifuged. Plasma was transferred into appropriately labeled tubes and placed on dry ice until stored in a freezer set to maintain -60 to -80°C. After blood collection, each animal was placed back into his home cage supplied with feed and water. These animals were euthanized at study termination with no further data collected.

3.12 Clinical Pathology (Core Animals)

Clinical chemistry, hematology, and coagulation assessments were performed on all surviving core study rats on the day of their scheduled necropsy. Urinalysis was conducted for ten surviving core study rats per group.

Rats were fasted overnight prior to scheduled blood sampling for hematology, coagulation, and clinical chemistry determinations. Blood samples were collected under CO₂/O₂ anesthesia from the retro-orbital sinus for hematology and serum chemistry determinations, and collected via the vena cava for coagulation parameters. The tubes contained ethylene diamine tetraacetic acid (EDTA) as an anticoagulant for blood samples collected for hematology. The tubes used for serum chemistry determinations did not contain any anticoagulant, but did contain a serum separator gel. Sodium citrate was used as the anticoagulant for the coagulation assay, from which prothrombin time was evaluated.

3.12.1 Hematology

Hematologic parameters measured or calculated were as follows:

Erythrocyte count (RBC)	Mean corpuscular hemoglobin
Hemoglobin (HGB)	concentration (MCHC) (calculated)
Hematocrit (HCT) (calculated)	Reticulocyte count (RET) (absolute)
Mean corpuscular volume (MCV)	Platelet count (PLT)
Mean corpuscular hemoglobin (MCH)	Total leukocyte count (WBC)
(calculated)	WBC differential (absolute)

3.12.2 Serum Chemistries

Serum chemistries measured or calculated were as follows (listed in order of priority left column top to bottom, then right column top to bottom):

Aspartate aminotransferase (AST)	Cholesterol (total) (CHOL)
Direct bilirubin	Creatinine (CREA)
Total bilirubin (TBIL)	Total protein (TP)
Gamma-glutamyl transferase (GGT)	Urea nitrogen (BUN)
Albumin (ALB)	Calcium (total) (CA)
Globulin (calculated) (GLOB)	Chloride (CL)
Albumin/globulin ratio (calculated) (AGR)	Phosphorus (PHOS)
Alkaline phosphatase (ALP)	Potassium (K)
Glucose (GLU)	Sodium (NA)
Triglycerides (TRIG)	

3.12.3 Urinalysis

Rats were placed in metabolism cages for urine collection. Water, but no food, was provided to the animals. Urine was collected overnight according to facility SOP's. The following urinalysis parameters were evaluated (listed in order of priority left column top to bottom, then right column top to bottom):

Appearance	Glucose
Color	Protein
Volume	Specific gravity
pH	Microscopic examination of sediment ^a

a. Sediment was evaluated for white blood cells, red blood cells, casts, epithelial cells, mucus, sperm, bacteria, yeast, amorphous sediment, and crystals.

3.13 Necropsy and Organ Weights

After at least 90 days of dosing, all surviving core animals, excluding sentinels, were fasted overnight and humanely terminated via exsanguinations. Terminal body weights were determined and external features of the animals were evaluated prior to euthanasia, followed by necropsy.

Each necropsy included: examination of the external surface of the body; all orifices; the cranial, thoracic, abdominal and pelvic cavities and their contents; and collection of all tissues listed in the protocol, as well as gross findings. All scheduled necropsies were conducted under the supervision of a board-certified veterinary pathologist.

The following tissues were collected according to facility SOP. Tissues were fixed in 10 percent neutral buffered formalin (NBF), with the exception of testes, which were preserved in Bouin's fixative and subsequently transferred to 70 percent ethanol, and eyes with optic nerve were fixed in Davidson's fixative and subsequently transferred to 10 percent NBF, per facility SOP.

Tissues Collected at Necropsy

Animal identification ^a	Parathyroid/thyroid gland
Gross lesions	Pituitary gland
Adrenal glands	Preputial glands
Bone with articular surface and marrow (femur)	Prostate
Brain (cerebrum, cerebellum, medulla)	Salivary gland (mandibular)
Clitoral gland	Sciatic nerve
Epididymides	Seminal vesicles
Esophagus, pharynx, trachea	Skeletal muscle (biceps femoris)
Eyes (with optic nerve)	Skin
Harderian glands	Small intestine (duodenum, jejunum, ileum)
Heart	Spinal cord (cervical, thoracic, lumbar)
Kidneys	Spleen
Large intestine (cecum, colon, rectum)	Sternum, bone marrow
Liver (median lobe and left lateral lobe)	Stomach (fore-stomach and glandular)
Lungs with bronchi	Testes
Mesenteric lymph node	Thymus
Mammary gland (females only)	Tongue
Nasal cavities and turbinates	Urinary Bladder
Ovaries (without oviduct)	Uterus
Oral cavity	Vagina
Pancreas	Zymbal glands

a. Collected but not processed.

The following organs were weighed for core rats euthanized at scheduled necropsy.

Organs Weighed at Necropsy

Adrenal glands ^a	Thyroid/parathyroid gland ^b
Brain	Seminal vesicles ^{a,b}
Epididymides ^a	Spleen
Heart	Ovaries (without oviduct)
Kidneys ^a	Testes (without epididymides) ^a
Liver	Thymus
Lungs	Salivary glands (mandibular)
Pituitary gland ^b	Uterus (with cervix)
Prostate ^b	

a. Paired organs weighed together.

b. Weighed after fixation.

3.14 Tissue Processing

All fixed tissues from controls (Group 1) and high dose groups (Groups 2, 5, and 8) were processed to slides and stained with hematoxylin and eosin according to facility SOP for histopathologic examination.

3.15 Histopathologic Evaluation

Tissue slides from core rats in the control (Group 1) and high dose groups (Groups 2, 5 and 8) were examined microscopically by a board-certified veterinary pathologist. An internal peer review was performed according to facility SOP.

3.16 Computer Systems for Data Management

Computer System Name	Version #	Manufacturer	Data Type
Analyst	1.4.2	Applied Biosystems, Inc.	Chromatography/ Mass Spectrometry
Atlas	8.2	Thermo Fisher Scientific	Chromatography
Excel Building Supervisor	1.7	Honeywell	Animal Facility Environmental
PATH/TOX SYSTEM	4.2.2	Xybion Medical Systems Corporation	Animal Toxicology and Pathology
T-Track	1.0.0	Battelle	Environmental Storage

3.17 Data Analysis

All appropriate quantitative in-life, clinical pathology, and post mortem data were analyzed statistically when $n \geq 3$. All data was analyzed for test article effects by analysis of variance. Data for which variances were considered homogenous across test groups, as determined by Bartlett's test for homogeneity at 0.05 level, were made using Dunnett's t-test. For non-homogeneous data, as determined by Bartlett's test for homogeneity at the 0.05 level, tests for pairwise differences between the control and each of the comparison groups were made using Cochran and Cox's modified two-sample t-test. Statistical significance for each comparison was reported at the 0.05 level. Comparisons included Control vs. Positive Control and Test Articles, Positive Control vs. High Dose Test Articles, and corresponding Blend vs. Extract dose groups.

Multiple statistical comparisons are indicated on the tables throughout this report. Capital letters indicate the comparison was significantly different between groups at $p \leq 0.05$ with Dunnett's test of significance, while lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with the modified t-test. Qualitative data summaries were provided for clinical observations.

4.0 RESULTS

4.1 Chemical Analysis of Formulations

4.1.1 Pre-Dosing

Samples of formulations from the dose preparation of tobacco blend, tobacco extract, and nicotine tartrate were analyzed at Battelle for verification of nicotine concentrations based on methods provided by the Sponsor. The detailed analytical results are provided in [Appendix F](#). All pre-dose formulations of tobacco blend, tobacco extract, and nicotine tartrate that were analyzed for nicotine concentration met acceptance criteria (within 10% of the target concentrations; relative standard deviation [RSD] less than or equal to 10%) except for five formulations which had average percent relative errors (%REs) greater than 10%. Four of the five formulations were discarded and new batches prepared and analyzed; the fourth (B3M-3rd prep) had an average %RE of 10.7% but was approved for use by the client.

Homogeneity studies were performed to support the 90-day study (CN49730A-FORMPRE). The tobacco extract and nicotine tartrate formulations met all design form acceptance criteria for homogeneity. The tobacco blend formulations met the design form acceptance criteria for homogeneity whereby the grand percent RSDs were less than 10%. REs were all more than 10% above target, however, suggesting the nicotine content of this test article may exceed the labeled concentration.

4.1.2 Post-Dosing

Post-dose (animal room) samples were also analyzed for nicotine concentration for the first set of batches from the study. In general, the post-dose animal room concentrations agreed with the pre-dose concentrations. The concentration of all submitted post-dose formulation samples met the acceptance criteria for pre-dose samples (%RE within 10% of target; RSD less than or equal to 10%).

4.2 Mortality

No treatment-related mortality occurred during the study. One female rat in the B3F dosage group died on Study Day 73 as a result of accidental trauma. No deaths occurred in any of the other male and female dosage groups over the course of this study.

4.3 Clinical Observations

No treatment-related clinical signs of toxicity were apparent over the course of this study. Treated animals were similar to control in overt behavior and in general health and appearance. Clinical signs in the B0.3M, B3M, and E0.3M dosage groups included an abrasion and alopecia (Table 5). Clinical signs in the NT6F, B0.3F, B3F, and E3F dosages groups included abrasions, alopecia, and red eye discharge (Table 6). These abnormalities occurred in only a few animals in selected dosage groups, were considered to be minor in severity, and were not attributed to the administration to any of the test articles.

4.4 Body Weights

The group mean absolute body weights for male and female core study rats are included in Tables 7 and 8, respectively. Treatment with the test articles and positive control resulted in significant reductions in the group mean body weight in the NT6M, B6M, and E6M groups of 12.7, 13.7, and 9.2%, respectively, relative to control (CM) on Study Day 91. The corresponding NT6M, B6M, and E6M toxicokinetic study groups also showed reductions in group mean body weight relative to control (CM) of 9.7, 6.5, and 3.8%, respectively, but these groups contained only six rats each and the body weight changes were smaller in magnitude (Table 9). Treatment with the test articles and positive control resulted in significant reductions in group mean body weight in the NT6F, B3F, B6F, and E6F groups of 11.9, 7.2, 11.0, and 11.3%, respectively, relative to control (CF) on Study Day 91 (Table 8). The corresponding NT6F, B3F, B6F, and E6F toxicokinetic study groups also showed reductions in group mean body weight relative to their control group (CF) of 17.6, 11.4, 12.6, and 10.4%, respectively (Table 10).

The group mean absolute body weights are also included for core study male and female rat groups in Figures 1 and 2 for tobacco blend (TB) and nicotine tartrate (NT) rats and in Figures 3 and 4 for core study male and female rat groups exposed to tobacco extract (TE) rats and NT, respectively. The group mean absolute body weights are also shown for the toxicokinetic male and female rat groups in Figures 5 and 6 for TB and NT and in Figures 7 and 8 for toxicokinetic male and female study rats exposed to TE and NT, respectively. The absolute body weight gain is included in Figures 9 and 10 for the male and female core study

rats groups exposed to TB and NT and in [Figures 11 and 12](#) for male and female core study rats exposed to TE and NT, respectively. The absolute body weight gain is included in [Tables 13 and 14](#) for the toxicokinetic group male and female rats exposed to TB and NT and in [Tables 15 and 16](#) for the toxicokinetic group and female rats exposed to TE and NT, respectively. The percent body weight gain is shown in [Figures 17 and 18](#) for male and female core rats exposed to TB and NT and in [Figures 19 and 20](#) for male and female core study rats exposed to TE and NT, respectively. The percent body weight gain is included in [Figures 21 and 22](#) for male and female toxicokinetic study rats exposed to TB and NT and in [Figures 23 and 24](#) in male and female toxicokinetic study rats exposed to TE and NT, respectively.

4.5 Food Consumption

The mean food consumption for the core male and female rat dosage groups are included in [Tables 11 and 12](#), respectively. The mean food consumption for male and female rats is also shown in [Figures 25 and 26](#) for TB and NT rats and in [Figures 27 and 28](#) for TE and NT rats, respectively. While all male dosage groups showed food consumption values that were within 10% of control (CM) on Study Day 91, the NT6M and B6M groups showed values that were depressed 7.7 and 8.2%, respectively, relative to control (Table 11). The NT6F, B6F, and E6F dosage groups showed depressions in group mean body weight of 19.2, 22.8, and 19.2%, respectively relative to the CF group (Table 12).

4.6 Toxicokinetics

The narrative for the toxicokinetic study is provided in [Appendix H](#). Blood was collected at the conclusion of Study Weeks 2, 4, 8, and 13 (study termination) at a target time of 12:00 AM from five rats/sex/dosage group (designated as toxicokinetic study animals) for the determination of plasma nicotine and cotinine concentrations. The 12:00 AM bleed time was determined from the previous 28-day toxicity study in rats (Battelle Study No. CN49730C).

There were no overt formulation effects as tobacco extract and tobacco blend formulations at a given exposure level had similar C_{max} values for both males and females. Mean C_{max} values on Week 2 were generally higher for the females than the males for nicotine and

cotinine. For Study Weeks 4, 8, and 13, there was no overt gender effects. The C_{\max} values increased approximately proportionally with an increase in exposure level for both the tobacco extract and tobacco blend. Overall, a trend in slightly higher C_{\max} values in the blend than from the extract was observed for the males but, for the females, an opposite effect was observed.

The NT6, B6, and E6 male and female dosage groups exhibited similar nicotine and cotinine concentrations over the study period, thereby indicating similar systemic exposure was achieved following exposure to the blend or extract in comparison to the reference formulation. However, the B6M group showed an increase in plasma mean nicotine and cotinine C_{\max} over time. There was no consistent increase or decrease in group mean C_{\max} values over time for the B6F group or E6M and E6F groups. C_{\max} values were similar on Weeks 2, 4, 8, and 13 for a given exposure level and gender suggesting no induction or accumulation of nicotine or cotinine occurred.

4.7 Clinical Pathology

4.7.1 Hematology

Group mean hematology data are presented in [Table 13](#) for male rats and [Table 14](#) for female rats. Group mean absolute white blood cell differential count data are included in [Table 15](#) for male rats and [Table 16](#) for female rats. Group mean coagulation data (prothrombin time) are included in [Table 17](#) for male rats and [Table 18](#) for female rats. Although there are some significant differences as indicated in the tables, none of the results indicated any treatment-related effects that could be attributed to nicotine tartrate (NT), tobacco blend (TB), or tobacco extract (TE).

4.7.2 Clinical Chemistry

Group mean serum chemistry data are included in [Table 19](#) for male rats and in [Table 20](#) for female rats. There were no consistent dose-related changes that could be attributed to exposure to NT, TB, or TE.

4.7.3 Urinalysis

Group mean urinalysis data (pH, specific gravity, and volume) is included in [Table 21](#) for male rats and in [Table 22](#) for female rats. Urinalysis data for individual animals are included in [Table 23](#) for male rats and [Table 24](#) for female rats. Individual animals urine sediment data is included in [Table 25](#) for male rats and [Table 26](#) for female rats. Urinalysis studies did not indicate any effects that could be attributed to treatment with NT, TB, or TE.

4.8 Ophthalmic Examinations

A report for ophthalmic exams that were conducted pre-test and again near the end of the study is included in [Appendix G](#). Corneal crystals were noted in several rats at both time periods. There was no evidence that the corneal crystals noted at the end of the study were associated with exposure to NT, TB, or TE.

4.9 Organ Weights

Group mean absolute organ weights are included in [Table 27](#) for male rats and [Table 28](#) for female rats. Group mean terminal body weights and organ to body weight values are included in [Table 29](#) for male rats and [Table 30](#) for female rats. Group mean absolute brain weights and organ to brain weight values are included in [Table 31](#) for male rats and [Table 32](#) for female rats.

The high dose male dose groups (NT, B6, and E6) showed a decrease in absolute organ weight ([Table 27](#)) relative to control (CM) for the heart (also the B3 and E3 groups), kidneys (except the E6 group), liver, and seminal vesicles. The NT6M group showed a decrease in the absolute weight of the prostate and thymus and the E6M group showed a decrease in the absolute weight of the pituitary and thyroid glands. The high dose female groups (NT6, B6, and E6) showed a decrease in absolute organ weight ([Table 28](#)) relative to control (CF) for the heart, kidney, liver (except for the B6F group), pituitary glands, and adrenal glands. The B0.3F group showed a decrease in absolute uterine weight and the E6F group showed a decrease in absolute spleen weight.

The terminal body weights of the NT6M, B3M, B6M, and E6M dosage groups ([Table 29](#)) were significantly decreased relative to the CM group by 13.3, 6.9, 14.2, and 9.2%,

respectively. The terminal body weights of the NT6F, B3F, B6F, and E6F dosage groups (Table 30) were significantly decreased relative to the CF group by 11.0, 8.0, 12.6, and 11.9%, respectively. These reductions were attributed to a reduced palatability of the dosed feed in these respective dosage groups. These reductions in body weight also led to an increase in the organ to body weight values for the brain, testis, and salivary glands in the NT6M, B3M, B6M, E3M, and E6M groups (Table 29) and brain and salivary glands in the NT6F, B3F, B6F, E3F (brain only) and E6F groups (Table 30). The NT6M group showed an increase in the organ to body weight value for the adrenal gland (Table 29). The NT6M, B6M, and E6M groups showed an increase in the organ to body weight value for epididymides. The B0.3M, B6M and E6M groups showed an increase in the organ to body weight value for the pituitary gland. The E6M group showed a decrease in the organ to body weight value for the thyroid gland. The B6F dosage group showed an increase in the organ to body weight value for liver and the B0.3F group showed a decrease in the organ to body weight value for uterus (Table 30).

The group mean absolute brain weight and organ to brain weight values are included in Table 31 for males and in Table 32 for females. The NT6M, B6M, and E6M dosages groups showed a decrease in the organ to brain weight values for heart, kidneys (decrease not statistically significant for the E6M group), liver, and seminal vesicles (Table 31). Sporadic but significant decreases in organ to brain weight values occurred in the B3M and E3M group (heart), NT6M (prostate and thymus), and E6M (pituitary gland and thyroid) groups. The NT6F, B6F, and E6F groups showed a decrease in the organ to brain weight value for heart and kidneys (Table 32). The NT6F and E6F groups showed a decrease in the organ to brain weight value for liver. The B0.3F group showed a decrease in the organ to brain weight value for uterus.

The changes in absolute and relative body weights were small in magnitude and did not have a microscopic correlate.

4.10 Gross Lesions

All core rats were necropsied immediately after death (scheduled or unscheduled) and protocol-required tissues were collected, preserved in formalin, processed routinely, and

examined microscopically by a board-certified veterinary pathologist. Macroscopic (gross) and microscopic findings, when present, were recorded electronically using the PATH/TOX SYSTEM (Xybion Medical Systems Corporation). A few macroscopic lesions findings were observed at necropsy, none of which were related to the administration of NT, TB, or TE.

4.11 Histopathology

Microscopic lesions were graded semi-quantitatively using the following scale: a score of 1 (minimal) represented a barely detectable lesion unlikely to be of biological significance, a score of 2 (mild) represented a lesion likely to have minor functional significance, a score of 3 (moderate) represented a lesion likely to have clinical significance, and a score of 4 (marked) represented a lesion approaching maximal in extent for the lesion. A small number of tissues could not be processed into slide for examination by the veterinary pathologist. Such tissues are listed as “missing” in the individual animal pathology tables. The absence of the results for these tissues was not considered to affect study interpretation.

A few microscopic changes were observed in tissues for rats in the dose groups. All such changes were typical of background lesions observed in untreated laboratory rats and were interpreted to be neither toxicologically or biologically significant. None of the microscopic lesions in this study were interpreted to be due to NT, TB, or TE.

4.12 Pathology Conclusions

Exposure of Wistar Han male and female rats to various concentrations of NT, TB, and TE by dosed feed at target levels as high as 6 mg/kg/day nicotine for at least 90 days resulted in significant decrease in terminal body weights in groups given target doses of 3 or 6 mg/kg nicotine/day (NT, B3, B6, and E6). There were no treatment-related gross or microscopic lesions. Changes in organ weights were secondary to decreased body weights, which were due to decreased palatability of the diet.

5.0 DISCUSSION

No treatment related mortality or clinical signs of toxicity occurred over the course of this study. Treated animals were similar to control in overt behavior and in general health and appearance. There were treatment-related changes in group mean body weight in the NT, TB, and TE groups at the higher levels of exposure. The NT6M, B6M, and E6M dosage groups showed reductions in group mean body weight of 12.7, 13.7, and 9.2% relative to that of their respective control group. The corresponding NT6F, B6F, and E6F dosage groups showed reductions of 11.9, 11.0, and 11.3% relative to that of their respective control group. The reduction in body weight gain generally correlated with reduced food consumption relative to control in the NT6M, B6M, NT6F, B6F, and E6F dosage groups. In spite of the small exposure related reductions in food consumption, the C_{max} values increased approximately proportionally with an increase in the exposure level for both the TB and TE dosage groups. The NT6, B6, and E6 male and female dosage groups exhibited similar nicotine and cotinine concentrations over the course of the study, indicating similar systemic exposure was achieved following exposure to the tobacco blend and extract in comparison to the reference formulation. Based on toxicokinetic data and body weight changes, male mice were more sensitive than female mice to the effects of NT, TB, and TE since plasma nicotine/cotinine and percentage body weight reductions were generally lower for the female treatment groups when compared to their corresponding male treatment groups.

Clinical pathology studies included hematology, clinical chemistry, coagulation tests (prothrombin time), and urinalysis did not indicate any treatment-related findings or trends. Ophthalmic studies conducted at the end of the study did not reveal any treatment related eye abnormalities. Necropsy did not reveal any treatment-related target organs. Organ weight changes were not associated with any microscopic findings and were secondary to treatment-related reductions in body weight gain. Microscopic examination did not reveal any changes that were attributed to exposure to NT, TB, or TE.

Due to the reduction in body weight gain associated with high levels of exposure, Battelle recommends dosages of 0, 0.2, 2, and 5 mg/kg/day for a chronic study in Wistar rats.

6.0 SPECIMEN STORAGE AND RECORD ARCHIVES

The pertinent study records will be maintained according to SOPs. The Battelle study records and final report are maintained under the direction of Battelle.

The final report, study files, records, wet tissues, and slides will be maintained for a period of no less than one year after issuance of the final report. After one year, the Sponsor will provide authorization concerning the disposition of those items.

7.0 ACKNOWLEDGMENTS

Participant	Role
Allen W. Singer, D.V.M., D.A.B.T., Diplomate, A.C.V.P.	Manager Toxicology Columbus
Dawn M. Fallacara, M.S., Ph.D.	Study Coordinator
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Michael J. Ryan, D.V.M., Ph.D., D.A.B.T., Diplomate, A.C.V.P.	Clinical Pathologist
Daphne V. Vasconcelos, D.V.M., Ph.D., D.A.B.T., Diplomate, A.C.V.P.	Manager Pathology
Brian Burbach, Ph.D.	Chemist
Edward A. Purny, B.S.	Chemist
Kevin Carrico, B.A.	Dose Formulations
Seth T. Gibbs, Ph.D.	Toxicokineticist
Jerry D. Johnson, Ph.D., D.A.B.T.	Toxicokineticist
Susan Reed, D.V.M.	Clinical Veterinarian

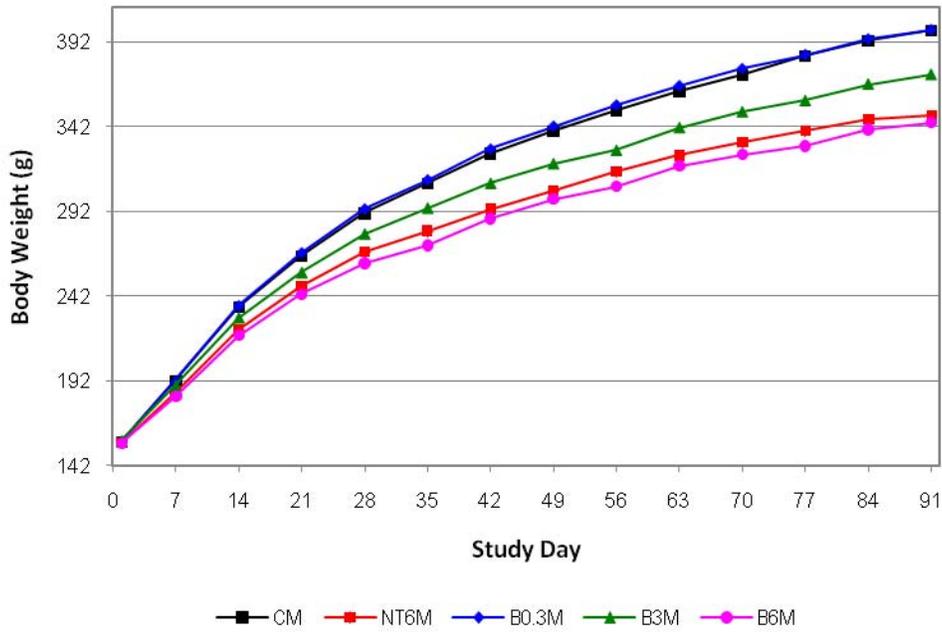


Figure 1. Group Mean Body Weight (g) Tobacco Blend and Nicotine Tartrate – Males

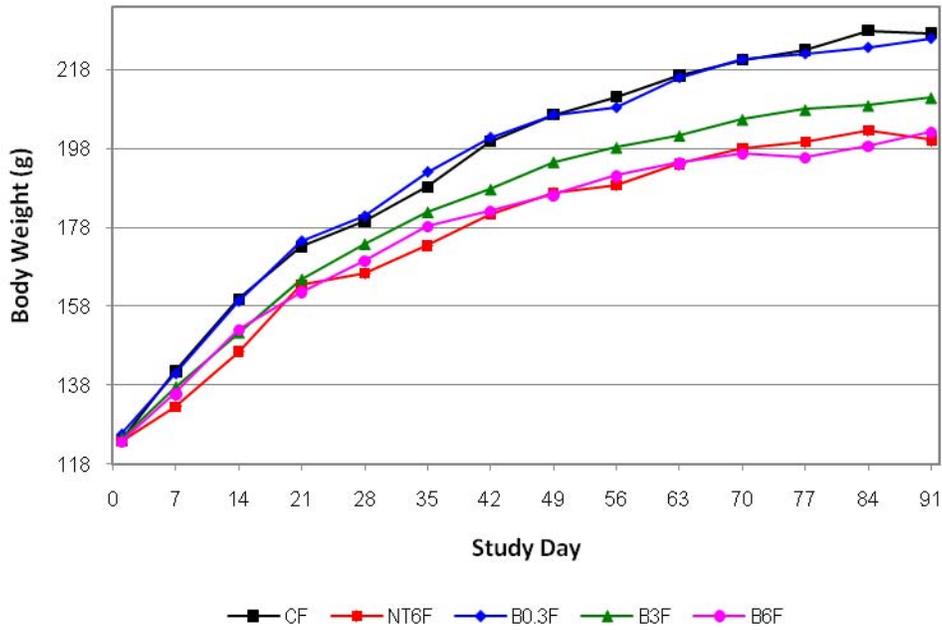


Figure 2. Group Mean Body Weight (g) Tobacco Blend and Nicotine Tartrate – Females

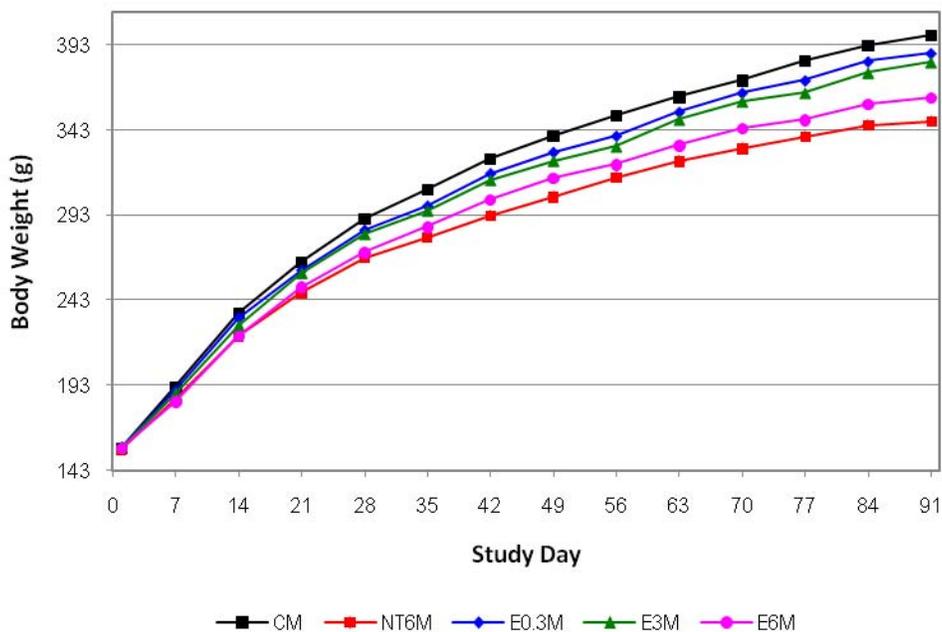


Figure 3. Group Mean Body Weights (g) Tobacco Extract and Nicotine Tartrate – Males

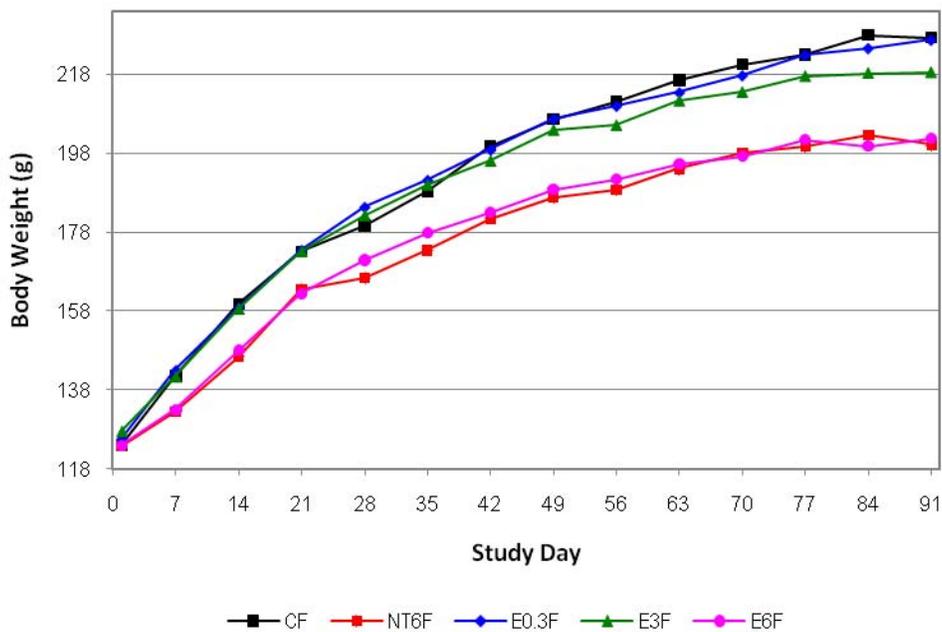


Figure 4. Group Mean Body Weights (g) Tobacco Extract and Nicotine Tartrate – Females

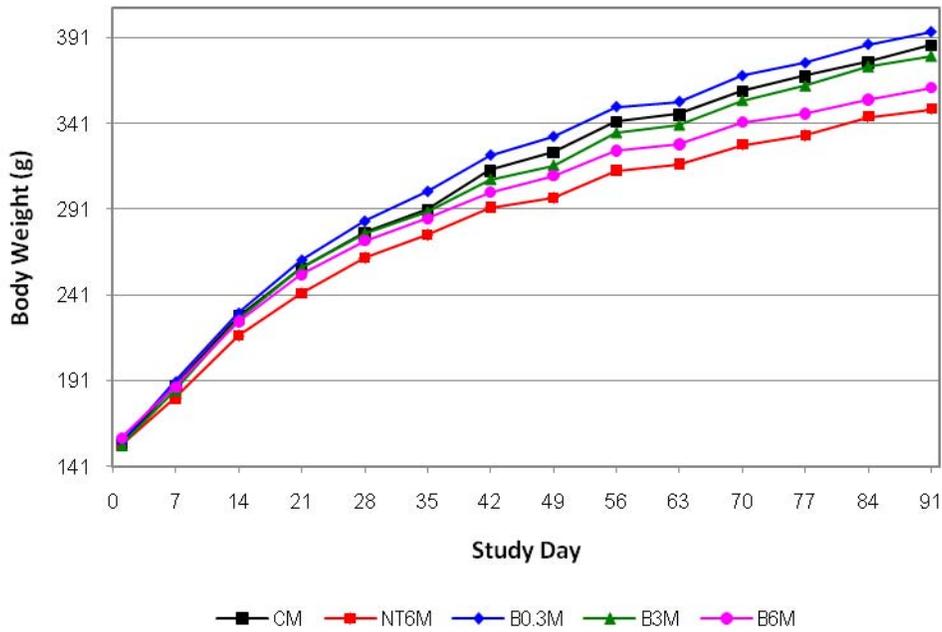


Figure 5. TK Group Mean Absolute Body Weight (g) Tobacco Blend and Nicotine Tartrate – Males

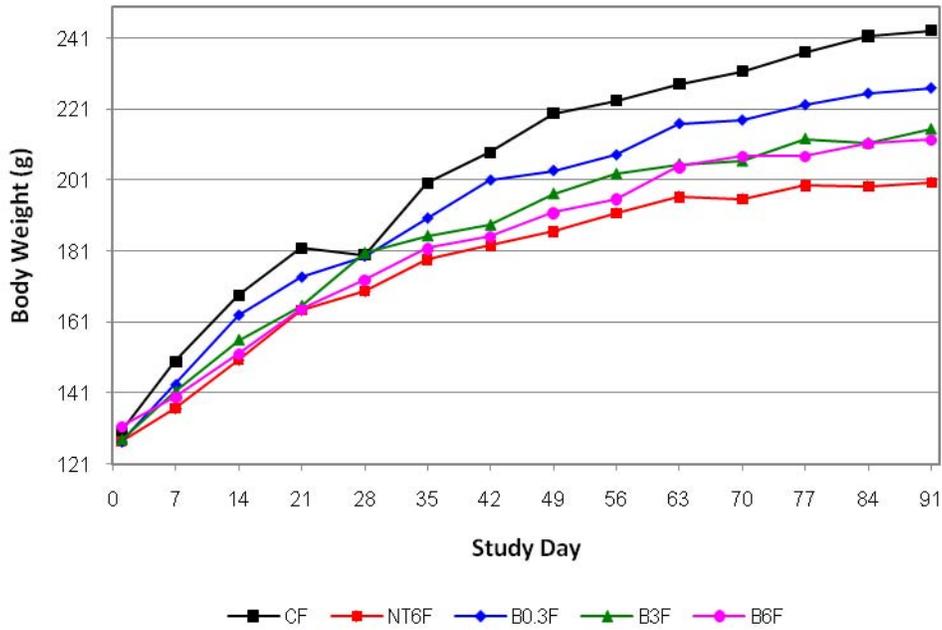


Figure 6. TK Group Mean Absolute Body Weight (g) Tobacco Blend and Nicotine Tartrate – Females

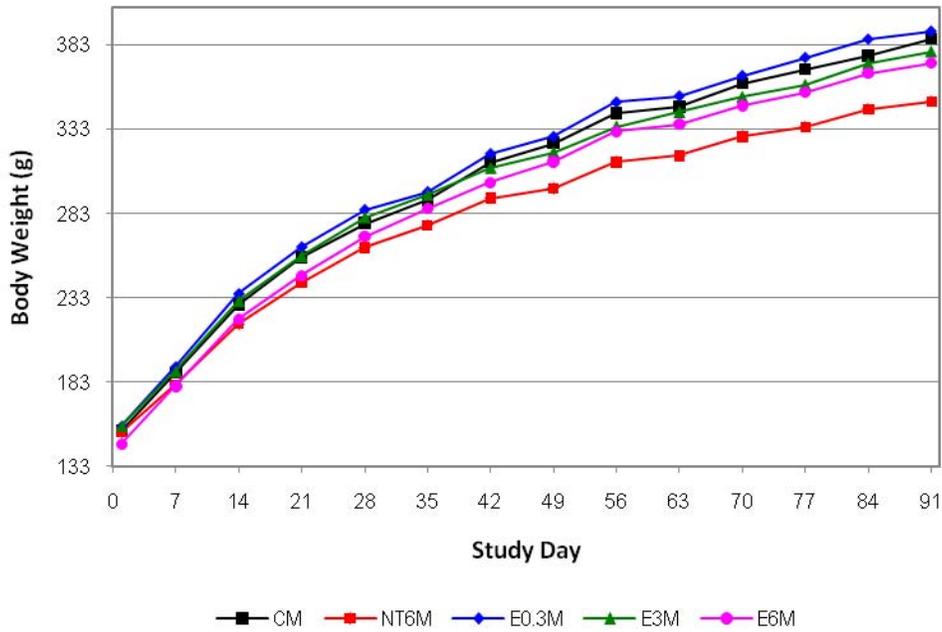


Figure 7. TK Group Mean Absolute Body Weight (g) Tobacco Extract and Nicotine Tartrate – Males

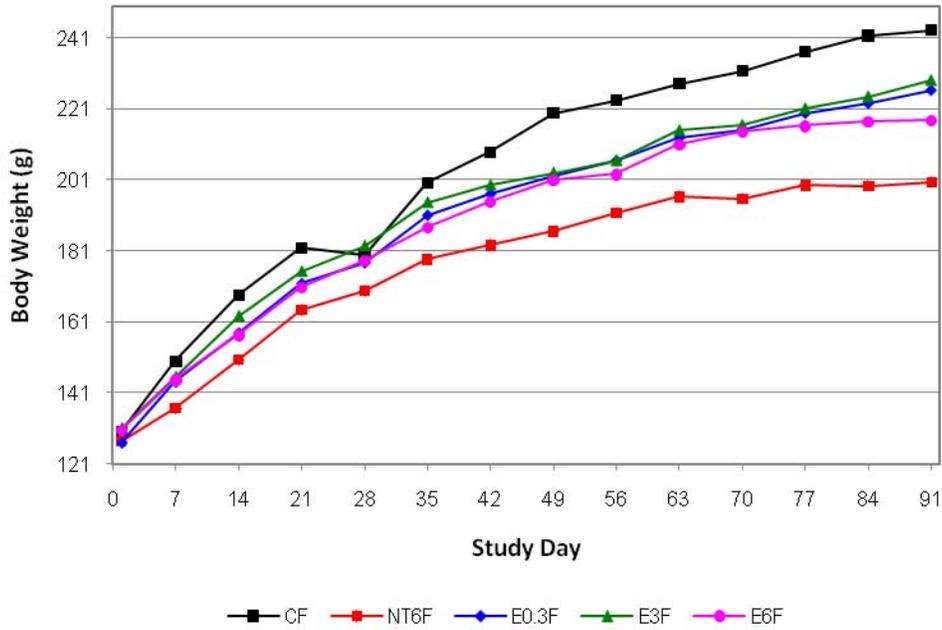


Figure 8. TK Group Mean Absolute Body Weight (g) Tobacco Extract and Nicotine Tartrate – Females

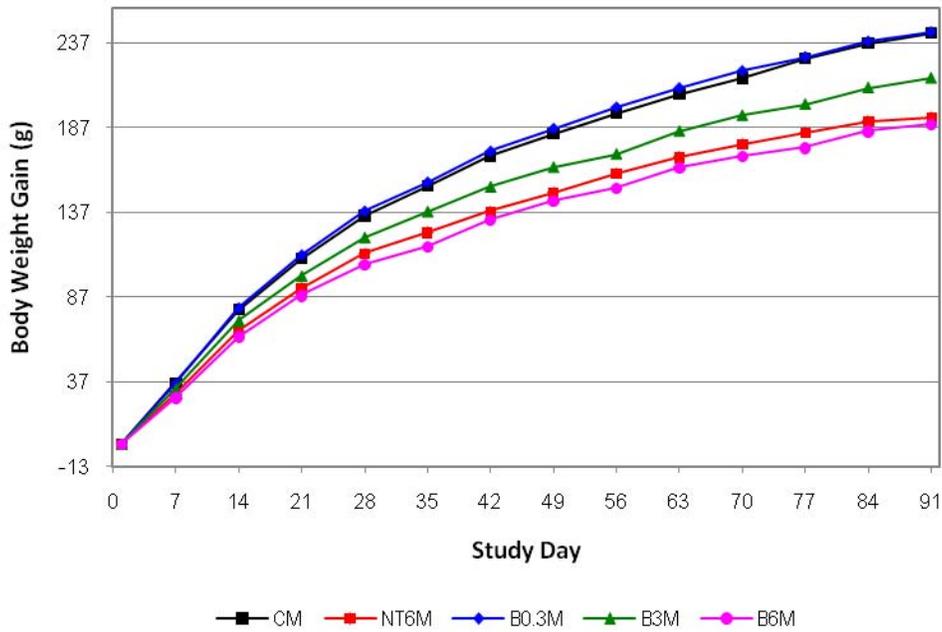


Figure 9. Core Absolute Body Weight (g) Gain Tobacco Blend and Nicotine Tartrate – Males

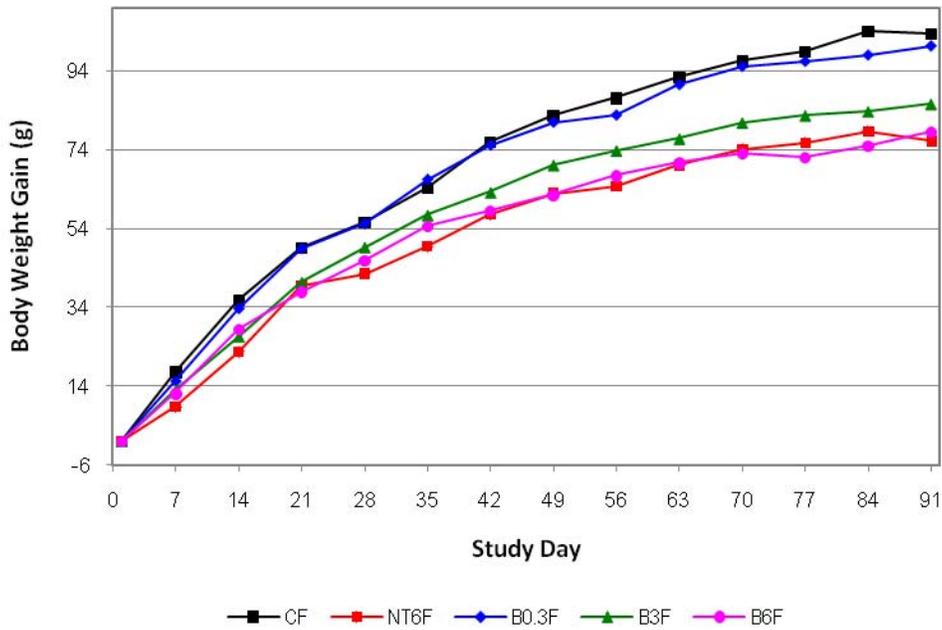


Figure 10. Core Absolute Body Weight (g) Gain Tobacco Blend and Nicotine Tartrate – Females

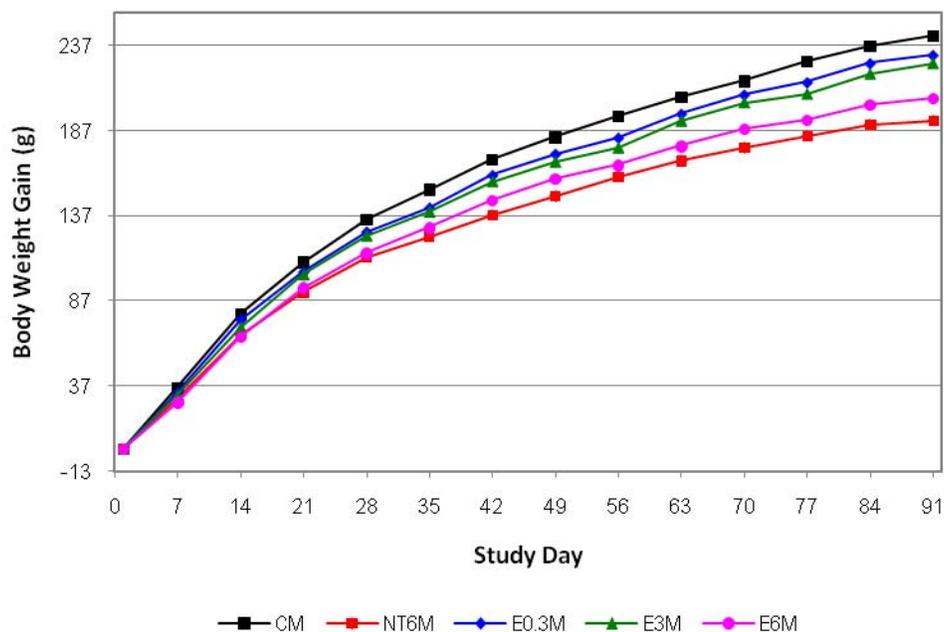


Figure 11. Core Absolute Body Weight (g) Gain Tobacco Extract and Nicotine Tartrate – Males

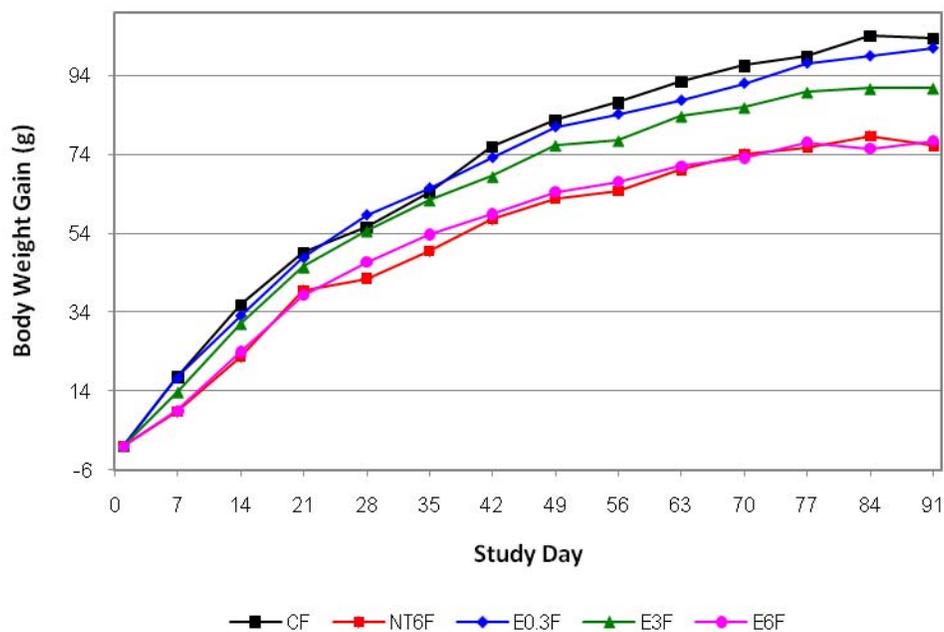


Figure 12. Core Absolute Body Weight (g) Gain Tobacco Extract and Nicotine Tartrate – Females

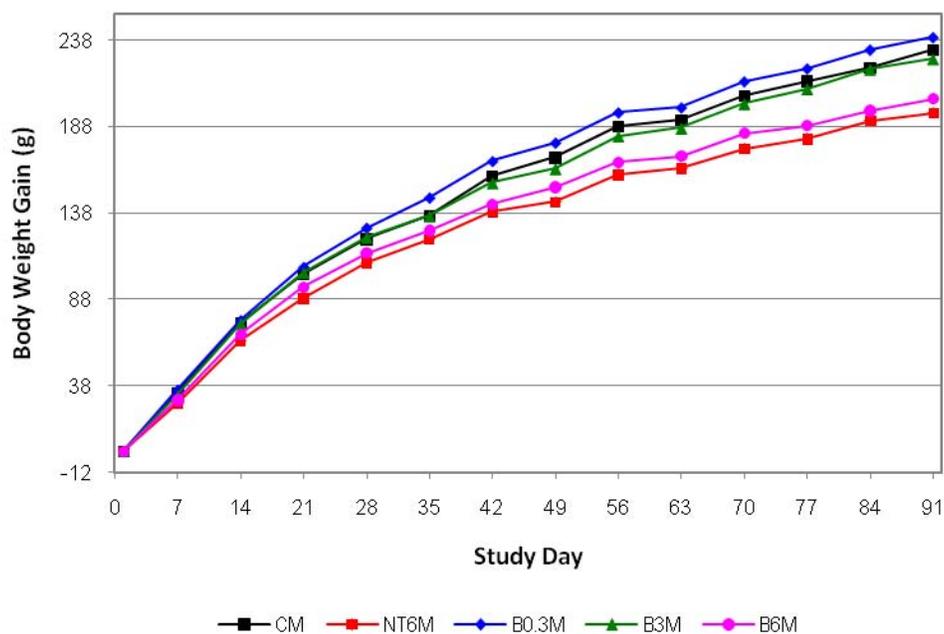


Figure 13. TK Absolute Body Weight (g) Gain Tobacco Blend and Nicotine Tartrate – Males

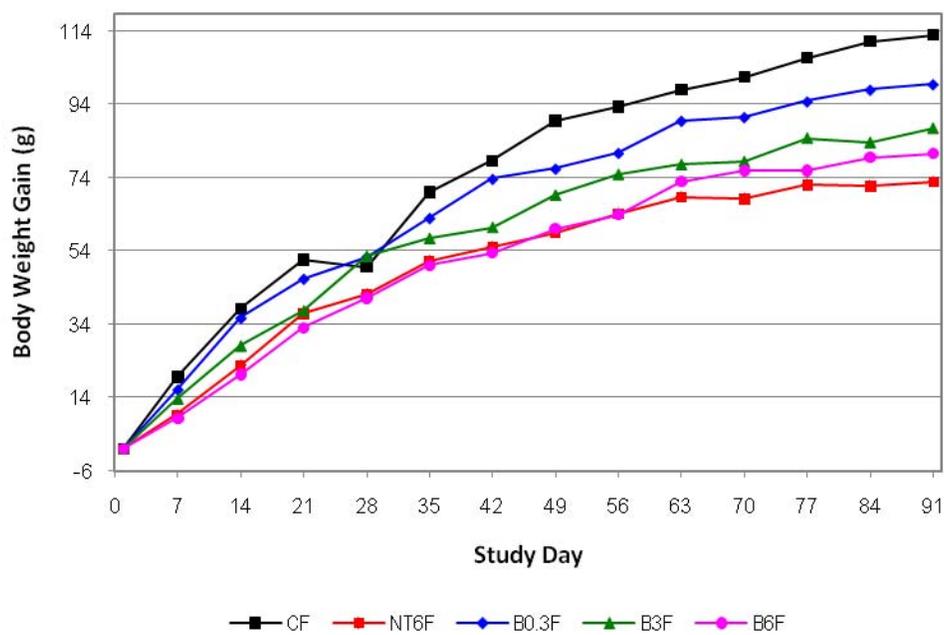


Figure 14. TK Absolute Body Weight (g) Gain Tobacco Blend and Nicotine Tartrate – Females

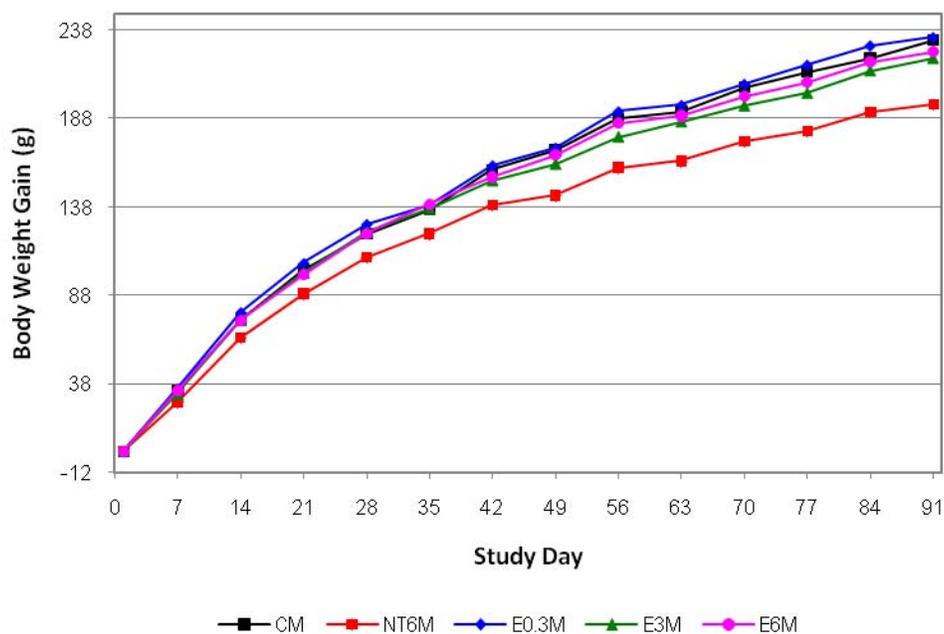


Figure 15. TK Absolute Body Weight (g) Gain Tobacco Extract and Nicotine Tartrate – Males

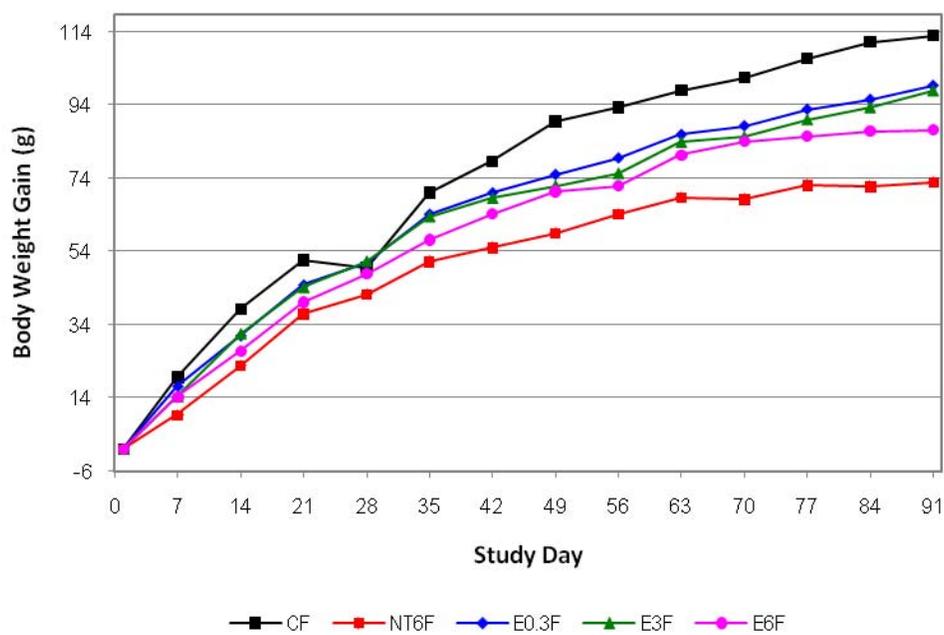


Figure 16. TK Absolute Body Weight (g) Gain Tobacco Extract and Nicotine Tartrate – Females

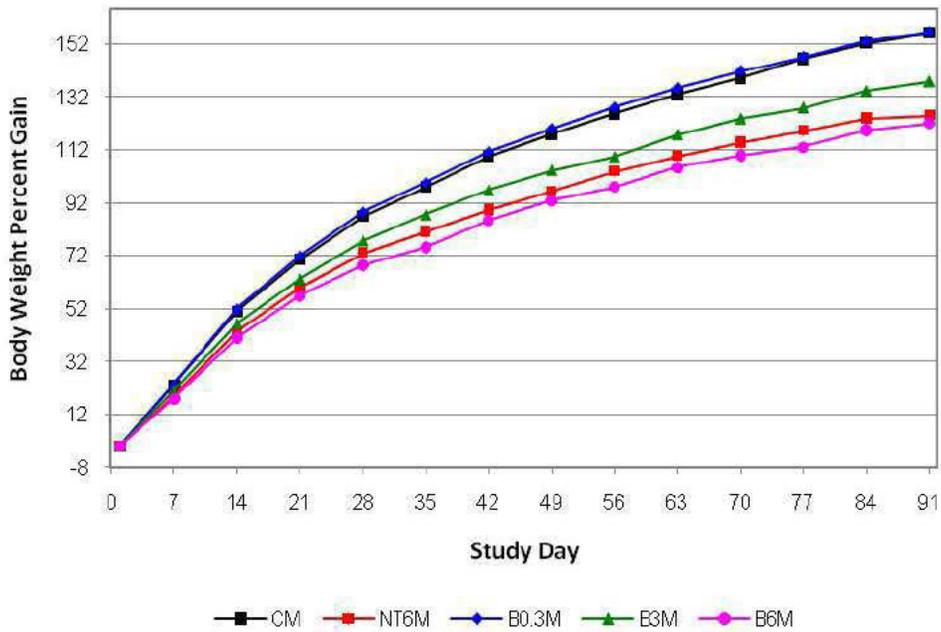


Figure 17. Core Percent (%) Body Weight Gain Tobacco Blend and Nicotine Tartrate – Males

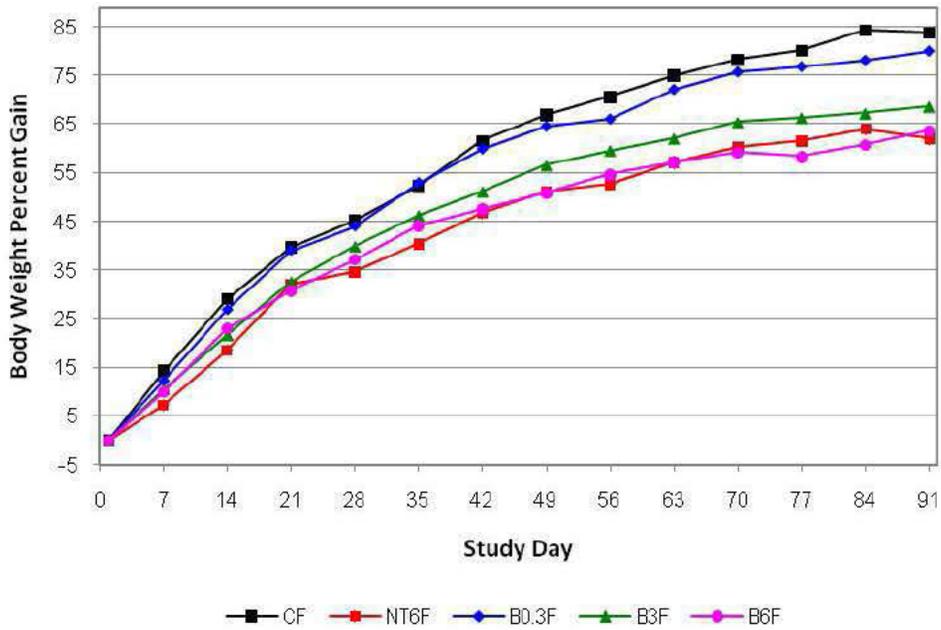


Figure 18. Core Percent (%) Body Weight Gain Tobacco Blend and Nicotine Tartrate – Females

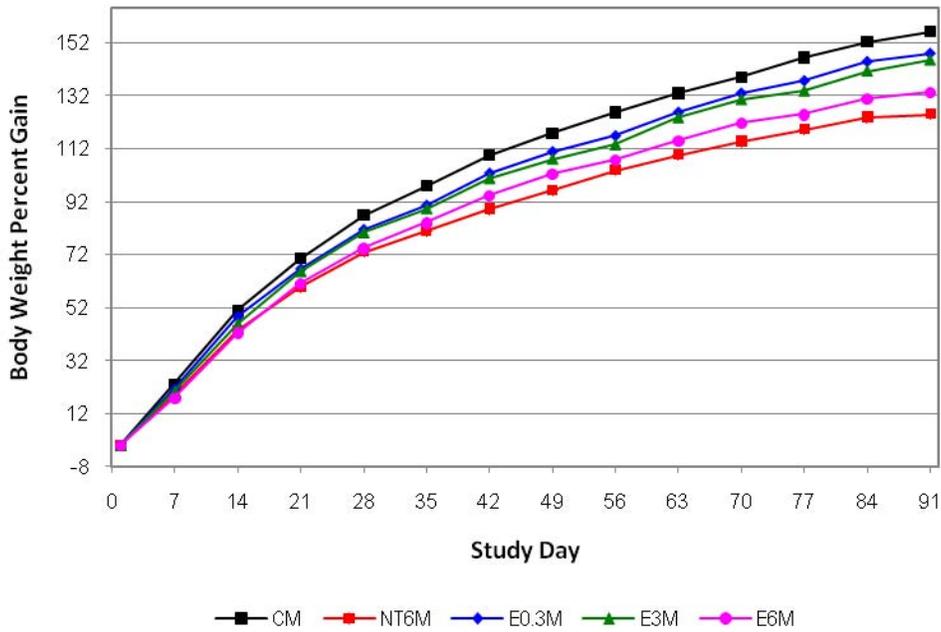


Figure 19. Core Percent (%) Body Weight Gain Tobacco Extract and Nicotine Tartrate – Males

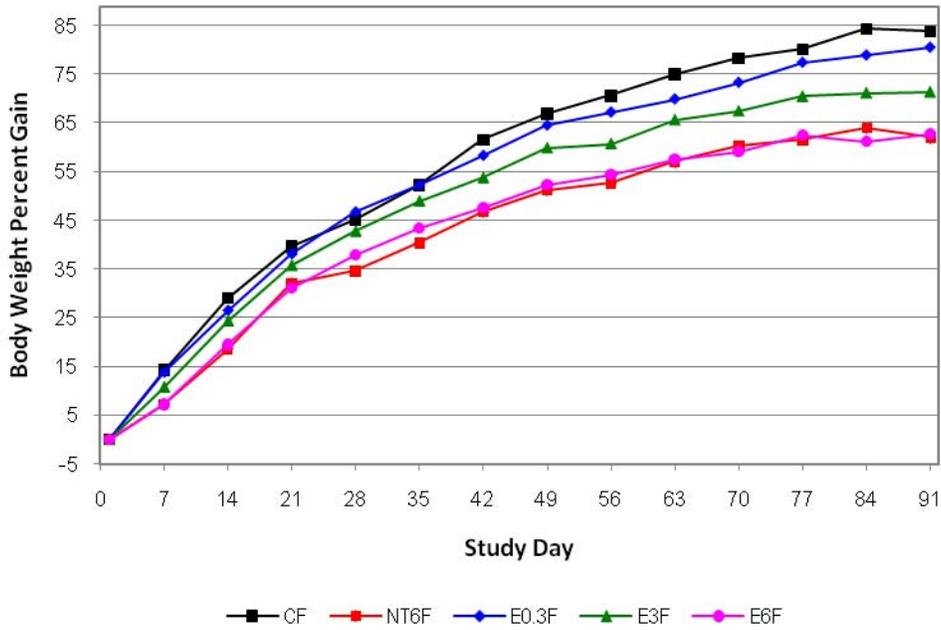


Figure 20. Core Percent (%) Body Weight Gain Tobacco Extract and Nicotine Tartrate – Females

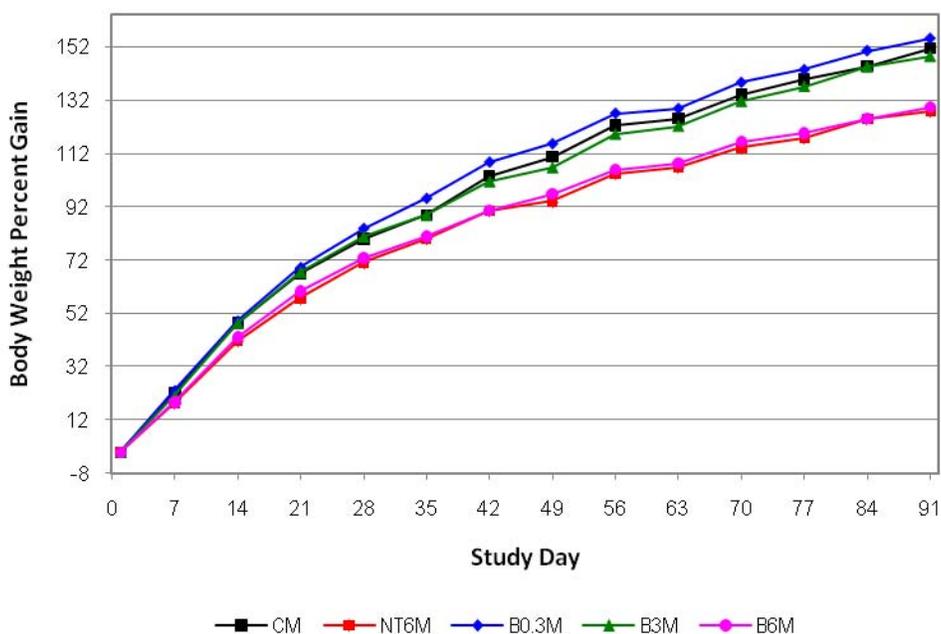


Figure 21. TK Percent (%) Body Weight Gain Tobacco Blend and Nicotine Tartrate – Males

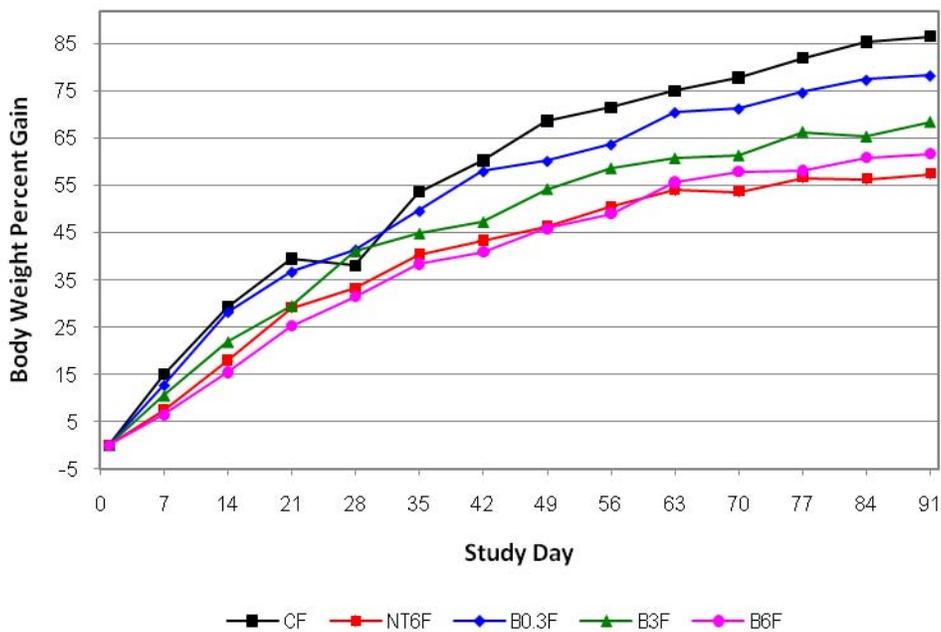


Figure 22. TK Percent (%) Body Weight Gain Tobacco Blend and Nicotine Tartrate – Females

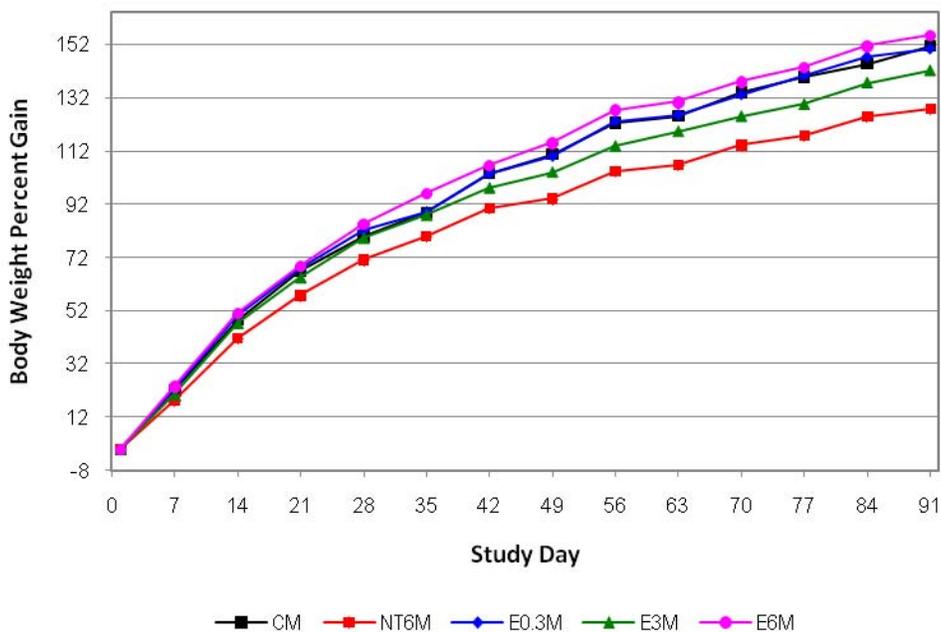


Figure 23. TK Percent (%) Body Weight Gain Tobacco Extract and Nicotine Tartrate – Males

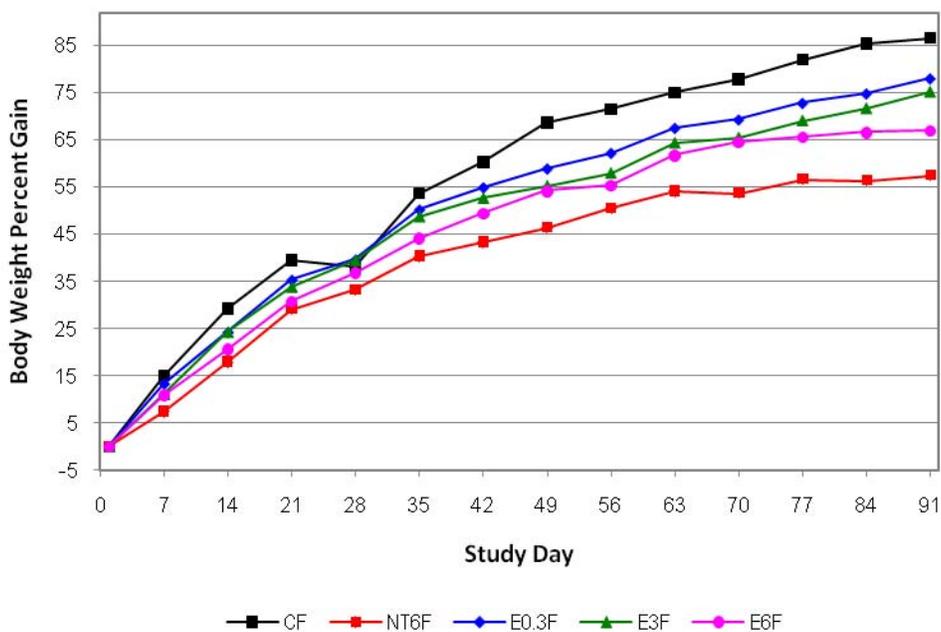


Figure 24. TK Percent (%) Body Weight Gain Tobacco Extract and Nicotine Tartrate – Females

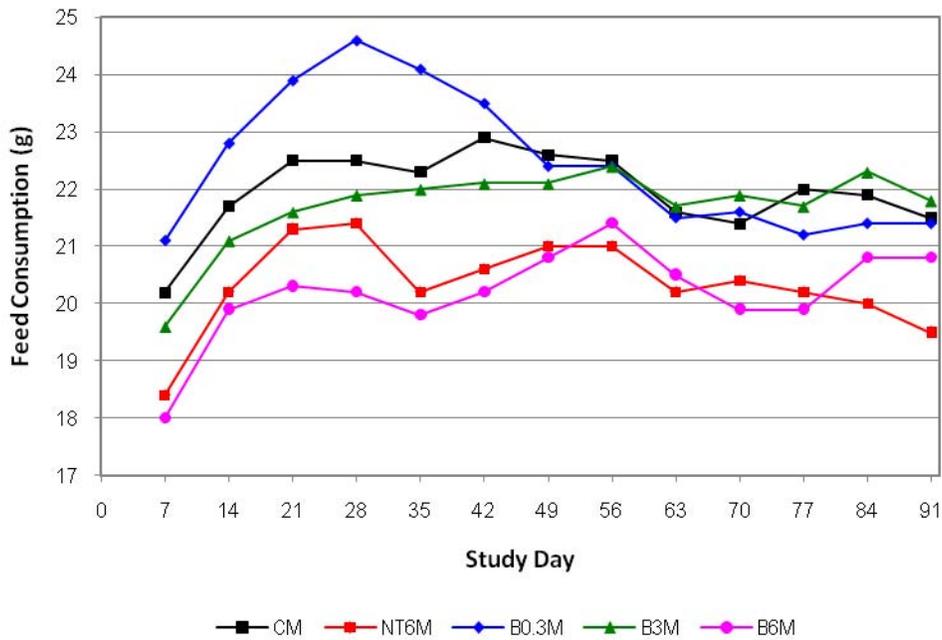


Figure 25. Average Feed Consumption (g) per Day Tobacco Blend and Nicotine Tartrate – Males

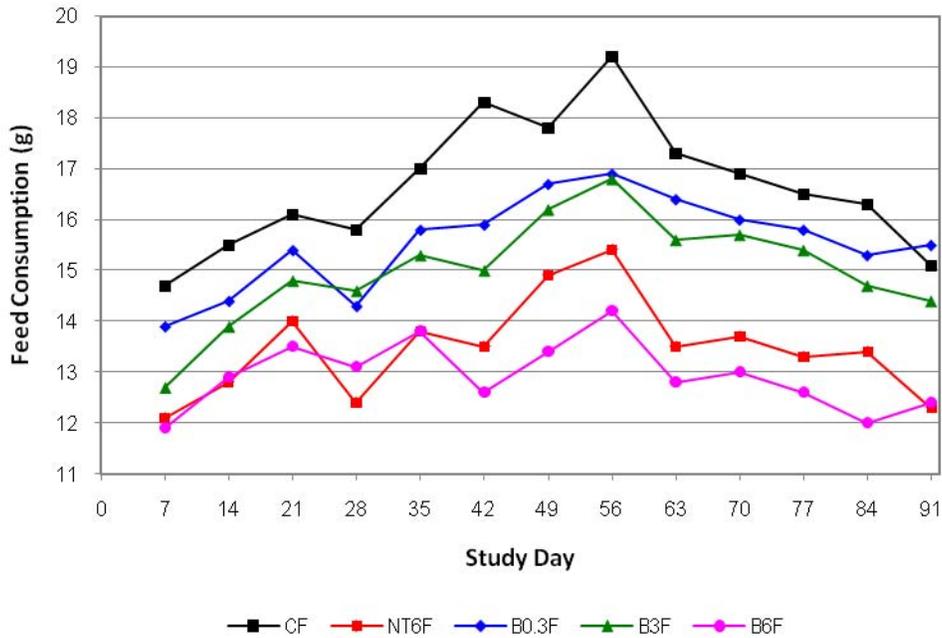


Figure 26. Average Feed Consumption (g) per Day Tobacco Blend and Nicotine Tartrate – Females

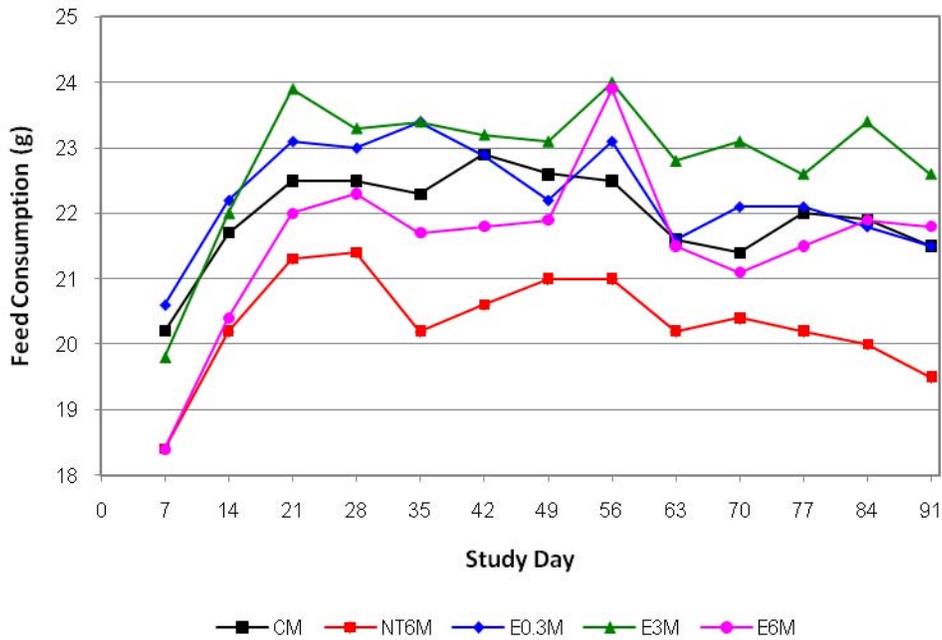


Figure 27. Average Feed Consumption (g) per Day Tobacco Extract and Nicotine Tartrate – Males

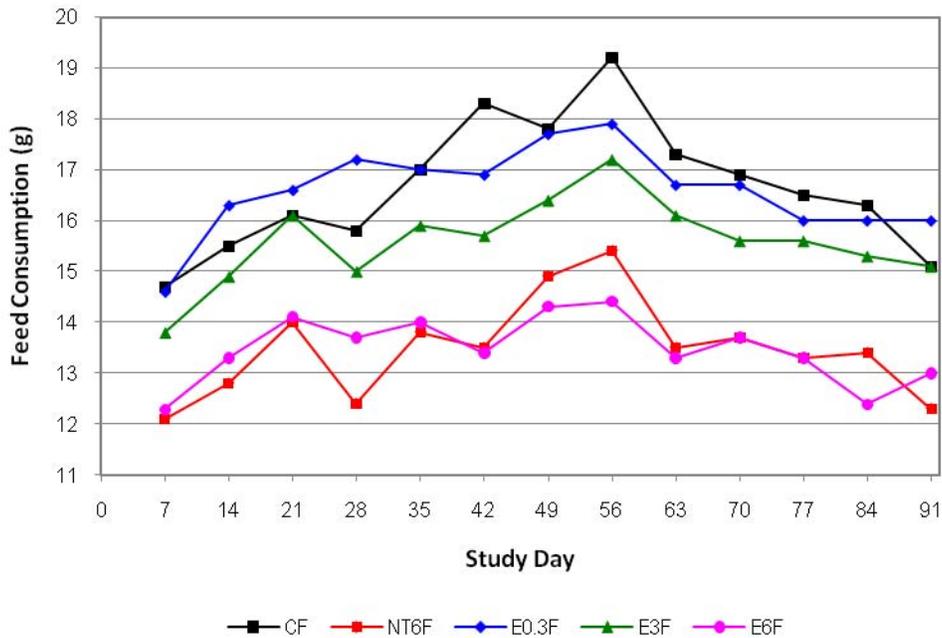


Figure 28. Average Feed Consumption (g) per Day Tobacco Extract and Nicotine Tartrate – Females

Table 5. Group Summary of Clinical Abnormalities – Males

Group	Observation	Animals Affected	Observed		Total Number
			First Day	Last Day	
B0.3M	Alopecia, Forelimb	2	56	93	13
	Alopecia, Head	1	63	91	5
	Alopecia, Neck	1	1	7	2
	Alopecia, Shoulder	1	70	92	5
B3M	Abrasion, Head	1	42	56	3
	Alopecia, Head	1	63	84	4
E0.3M	Alopecia, Body Lateral	1	28	92	11
	Alopecia, Forelimb	1	49	92	8
	Alopecia, Head	1	63	70	2

Table 6. Group Summary of Clinical Abnormalities – Females

Group	Observation	Animals Affected	Observed		Total Number
			First Day	Last Day	
CF	Abrasion, Head	1	56	63	2
NT6F	Alopecia, Body Dorsal	1	42	93	9
	Alopecia, Head	1	63	77	3
	Alopecia, Neck	1	7	49	7
	Alopecia, Shoulder	1	84	93	3
	Red Eye Discharge	1	49	63	3
B0.3F	Abrasion, Head	1	35	42	2
	Alopecia, Head	1	94	94	1
	Deformity, Foot/Left Rear	1	7	93	14
B3F	Abrasion, Head	1	84	94	3
	Alopecia, Body Dorsal	1	77	94	4
	Alopecia, Ear	1	35	77	7
	Alopecia, Head	1	84	94	3
	Alopecia, Shoulder	2	35	94	19
	Red Eye Discharge	1	42	42	1
E3F	Abrasion, Head	1	35	56	4
	Alopecia, Head	1	63	93	6

Table 7. Group Mean Absolute Body Weight (g) – Males

Group		Day 1	Day 7	Day 14	Day 21	Day 28	Day 35	Day 42	Day 49	Day 56	Day 63	Day 70	Day 77	Day 84	Day 91	% Change*
CM	Mean	156.1	192.0	235.5	265.6	291.0	308.3	326.1	339.3	351.4	362.5	372.2	383.5	392.7	398.6	
	SD	9.2	10.0	11.0	12.0	14.6	15.6	17.1	18.6	18.5	19.6	20.5	22.3	22.5	22.5	0
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
NT6M	Mean	155.2	184.3	222.2 ^A	247.3 ^A	267.9 ^A	280.1 ^A	292.9 ^A	303.8 ^A	315.3 ^A	324.6 ^a	332.2 ^a	339.1 ^a	346.2 ^a	348.1 ^a	
	SD	10.8	11.9	12.1	12.7	15.8	17.5	20.0	21.5	21.9	23.8	24.2	26.0	26.6	27.4	-12.7
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
B0.3M	Mean	155.8	191.6	236.2	267.5	293.3	310.5	328.7	342.2	354.7	366.1	376.2	384.4	393.7	399.1	
	SD	11.5	13.8	15.3	17.4	19.5	21.0	22.7	25.0	26.7	27.4	28.5	29.5	30.2	31.7	+0.1
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
B3M	Mean	156.7	189.2	229.2	255.7	278.5	293.7	308.3	319.9 ^A	327.8 ^A	341.2 ^a	350.5 ^a	357.1 ^a	366.8 ^a	372.5 ^a	
	SD	12.0	14.5	17.7	21.9	22.9	24.8	26.3	26.2	27.1	29.4	29.7	30.3	31.3	31.4	-6.5
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
B6M	Mean	155.1	182.5	218.6 ^A	242.8 ^A	261.1 ^A	271.7 ^A	287.3 ^A	298.9 ^A	306.6 ^A	318.3 ^a	325.1 ^a	330.1 ^a	339.9 ^a	343.9 ^a	
	SD	11.8	13.0	15.4	19.4	22.6	25.0	25.9	25.7	26.3	27.8	27.9	28.1	29.8	29.6	-13.7
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
E0.3M	Mean	156.6	189.9	232.6	260.7	284.2	298.4	317.5	330.0	339.5	353.6	364.8	372.1	383.3	388.1	
	SD	10.6	12.6	14.2	14.9	18.7	20.9	22.8	24.0	25.4	28.2	30.7	30.7	31.2	31.1	-2.6
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
E3M	Mean	156.4	188.1	227.9	258.8	281.7	295.7	313.6	325.0	333.3	349.1	359.9	364.9 ^a	376.8	383.0	
	SD	10.2	10.8	12.3	14.9	18.3	19.1	22.8	23.9	25.8	28.6	29.6	30.4	31.6	33.6	-3.9
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
E6M	Mean	156.0	183.2	222.0 ^A	250.6 ^A	271.0 ^A	285.9 ^{A,c}	302.0 ^{A,c}	314.6 ^{A,c}	322.6 ^{A,c}	333.8 ^{a,c}	344.1 ^{a,c}	348.9 ^{a,c}	358.4 ^{a,c}	361.8 ^{a,c}	
	SD	11.8	12.1	12.4	12.7	12.5	12.6	12.9	12.9	13.9	12.4	13.0	12.5	13.0	14.0	-9.2
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t test.

A = CM vs. NT6M, B0.3M, B3M, B6M, E0.3M, E3M, E6M.

B = NT6M vs. B6M, E6M.

C = Corresponding blend vs. extract dose groups (B0.3M vs. E0.3M, B3M vs. E3M, B6M vs. E6M).

* Day 91 percent change relative to CM.

Table 8. Group Mean Absolute Body Weight (g) – Females

Group		Day 1	Day 7	Day 14	Day 21	Day 28	Day 35	Day 42	Day 49	Day 56	Day 63	Day 70	Day 77	Day 84	Day 91	% Change
CF	Mean	123.9	141.4	159.7	172.9	179.5	188.1	199.6	206.5	210.9	216.3	220.3	222.7	227.7	227.1	
	SD	10.2	10.8	11.8	12.5	12.4	12.6	14.8	15.8	13.9	14.6	16.8	16.0	14.0	15.6	0
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
NT6F	Mean	123.8	132.5 ^A	146.5 ^A	163.4 ^A	166.3 ^A	173.3 ^A	181.3 ^A	186.7 ^A	188.5 ^A	193.9 ^A	198.0 ^A	199.5 ^A	202.4 ^A	200.0 ^A	
	SD	9.1	7.4	8.8	10.7	9.5	10.0	11.7	10.5	10.2	10.4	11.4	12.0	13.6	12.2	-11.9
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
B0.3F	Mean	125.7	141.0	159.4	174.6	180.9	192.1	200.8	206.6	208.4	216.0	220.6	222.0	223.6	225.9	
	SD	8.4	11.6	10.9	10.8	11.1	12.4	14.4	11.7	12.0	13.7	15.2	13.3	12.9	13.4	-0.5
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
B3F	Mean	124.5	137.5	151.2	164.8	173.7	181.8	187.6 ^A	194.5 ^A	198.2 ^A	201.2 ^A	205.3 ^A	207.8 ^A	208.8 ^A	210.8 ^A	
	SD	10.0	11.0	11.1	11.9	11.2	13.6	12.2	14.3	12.4	14.1	13.5	15.4	13.9	15.8	-7.2
	N	20	20	20	20	20	20	20	20	20	20	20	19	19	19	
B6F	Mean	123.7	135.8	152.0	161.6 ^A	169.5 ^A	178.2	182.2 ^A	186.2 ^A	191.0 ^A	194.2 ^A	196.6 ^A	195.7 ^A	198.5 ^A	202.1 ^A	
	SD	10.4	12.1	12.7	14.6	15.1	17.7	15.8	17.6	17.0	18.1	18.8	20.2	18.1	18.8	-11.0
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
E0.3F	Mean	125.7	143.0	158.9	173.4	184.3	191.1	198.8	206.6	209.9	213.3	217.6	222.8	224.5	226.6	
	SD	9.1	10.3	11.4	10.8	12.5	13.4	15.6	13.3	12.8	15.4	15.2	14.7	14.2	15.8	-0.2
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
E3F	Mean	127.5	141.3	158.5 ^C	173.0 ^C	182.1 ^C	189.8 ^C	195.9 ^C	203.7 ^C	204.9	211.1 ^C	213.3	217.3	218.1	218.3	
	SD	6.8	9.0	8.1	7.7	11.7	10.9	9.9	10.9	12.7	13.1	12.9	14.4	15.5	15.1	-3.9
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
E6F	Mean	124.1	133.0	148.1 ^A	162.4 ^A	170.8	177.7	182.9 ^A	188.7 ^A	191.3 ^A	195.1 ^A	197.1 ^A	201.2 ^A	199.6 ^A	201.5 ^A	
	SD	8.3	8.6	7.9	7.6	8.2	9.2	8.9	9.2	9.6	10.5	9.6	9.4	9.8	11.0	-11.3
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t test.

A = CF vs. NT6F, B0.3F, B3F, B6F, E0.3F, E3F, E6F.

B = NT6F vs. B6F, E6F.

C = Corresponding blend vs. extract dose groups (B0.3F vs. E0.3F, B3F vs. E3F, B6F vs. E6F).

* Day 91 percent change relative to CF.

Table 9. TK Group Mean Absolute Body Weight (g) Data - Males

Group		Day					% Change
		63	70	77	84	91	
CM	Mean	346.2	360.1	368.5	376.6	386.6	0
	SD	23.5	25.7	27.3	27.8	26.7	
	N	6	6	6	6	6	
NT6M	Mean	317.1	328.5	334.0	344.8	349.2	-9.7
	SD	34.6	36.8	36.0	37.6	35.0	
	N	6	6	6	6	6	
B0.3M	Mean	353.8	368.9	376.4	387.2	394.5	2.0
	SD	29.2	30.4	31.9	31.3	34.5	
	N	6	6	6	6	6	
B3M	Mean	340.1	354.4	362.9	374.2	380.3	-1.6
	SD	26.9	33.0	34.7	34.5	36.6	
	N	6	6	6	6	6	
B6M	Mean	328.5	341.5	346.3	354.7	361.5	-6.5
	SD	29.7	30.7	30.1	31.0	30.9	
	N	6	6	6	6	6	
E0.3M	Mean	352.7	364.8	375.5	386.4	391.1	+1.2
	SD	29.6	32.3	31.3	32.7	32.6	
	N	6	6	6	6	6	
E3M	Mean	342.9	351.9	359.1	371.7	378.8	-2.0
	SD	20.5	21.3	28.2	29.9	28.1	
	N	6	6	6	6	6	
E6M	Mean	335.7	346.6	354.8	366.1	371.9	-3.8
	SD	13.0	13.5	17.7	18.5	17.8	
	N	6	6	6	6	6	

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t test.

A = CM vs. NT6M, B0.3M, B3M, B6M, E0.3M, E3M, E6M.

B = NT6M vs. B6M, E6M.

C = Corresponding blend vs. extract dose groups (B0.3M vs. E0.3M, B3M vs. E3M, B6M vs. E6M).

Table 10. TK Group Mean Body Weight (g) Data – Females

Group		Day					% Change
		63	70	77	84	91	
CF	Mean	228.1	231.7	237.1	241.5	243.1	0
	SD	14.9	11.7	15.4	16.5	18.0	
	N	6	6	6	6	6	
NT6F	Mean	196.2 ^A	195.7 ^A	199.5 ^A	199.3 ^A	200.3 ^A	-17.6
	SD	10.3	12.4	9.5	11.2	7.0	
	N	6	6	6	6	6	
B0.3F	Mean	216.9	217.9	222.2	225.4	226.9	-6.7
	SD	17.2	18.3	17.9	16.3	17.2	
	N	6	6	6	6	6	
B3F	Mean	205.4	206.3	212.6	211.4 ^A	215.3	-11.4
	SD	17.5	18.8	20.1	17.9	20.3	
	N	6	6	6	6	6	
B6F	Mean	204.7	207.8	207.7 ^A	211.3 ^A	212.4 ^{A,b}	-12.6
	SD	6.5	8.3	7.4	9.7	8.6	
	N	6	6	6	6	6	
E0.3F	Mean	212.9	215.3	219.8	222.6	226.3	-6.9
	SD	19.0	20.3	21.3	24.0	20.1	
	N	6	6	6	6	6	
E3F	Mean	214.9	216.4	221.1	224.4	229.0	-5.8
	SD	18.6	21.2	19.8	21.9	23.2	
	N	6	6	6	6	6	
E6F	Mean	211.0	214.7	216.2	217.4	217.8	-10.4
	SD	17.7	18.1	18.5	19.7	20.4	
	N	6	6	6	6	6	

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t test.

A = CF vs. NT6F, B0.3F, B3F, B6F, E0.3F, E3F, E6F.

B = NT6F vs. B6F, E6F. C = Corresponding blend vs. extract dose groups (B0.3F vs. E0.3F, B3F vs. E3F, B6F vs. E6F).

Table 11. Group Mean Average Feed Consumption (g) per Day – Males

Group		Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Grand Mean	% Change*
		7	14	21	28	35	42	49	56	63	70	77	84	91	± SD	
CM	Mean	20.2	21.7	22.5	22.5	22.3	22.9	22.6	22.5	21.6	21.4	22.0	21.9	21.5	22.0	0
	SD	1.1	1.1	1.3	1.7	1.8	2.2	1.3	1.1	1.2	2.3	1.4	1.0	1.4	0.7	
	N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
NT6M	Mean	18.4 ^A	20.2 ^a	21.3	21.4	20.2	20.6 ^A	21.0	21.0	20.2	20.4	20.2	20.0	19.5	20.3	-7.7
	SD	1.1	1.4	2.0	2.1	1.8	1.9	1.4	1.5	1.4	2.2	2.2	1.9	2.0	0.8	
	N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
B0.3M	Mean	21.1	22.8 ^a	23.9 ^a	24.6	24.1	23.5	22.4	22.4	21.5	21.6	21.2	21.4	21.4	22.5	+2.3
	SD	0.8	0.8	1.0	3.8	2.8	2.0	1.2	1.7	0.8	1.7	1.5	1.4	1.4	1.2	
	N	10	10	10	10	10	9	10	10	10	10	10	10	10	10	
B3M	Mean	19.6	21.1	21.6	21.9	22.0	22.1	22.1	22.4	21.7	21.9	21.7	22.3	21.8	21.7	-1.4
	SD	1.8	2.2	2.1	1.4	2.7	2.6	2.6	2.2	1.9	2.2	2.1	2.1	2.0	0.7	
	N	10	10	10	10	10	10	10	10	10	10	10	10	9	10	
B6M	Mean	18.0 ^A	19.9 ^a	20.3 ^a	20.2 ^a	19.8	20.2 ^A	20.8	21.4	20.5	19.9	19.9 ^A	20.8	20.8	20.2	-8.2
	SD	1.9	1.7	1.9	2.5	2.4	1.6	1.9	1.7	1.5	1.5	1.7	2.1	2.6	0.8	
	N	10	10	10	10	10	9	10	10	10	10	10	10	10	10	
E0.3M	Mean	20.6	22.2	23.1	23.0	23.4	22.9	22.2	23.1	21.6	22.1	22.1	21.8	21.5	22.3	+1.4
	SD	1.2	1.2	0.9	1.5	1.8	1.9	1.2	1.2	1.6	1.5	1.5	1.4	1.4	0.8	
	N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
E3M	Mean	19.8	22.0	23.9	23.3	23.4	23.2	23.1	24.0	22.8	23.1	22.6	23.4	22.6	22.9	+4.1
	SD	1.1	2.4	3.0	3.5	1.6	1.4	1.0	2.7	1.4	1.5	1.8	1.4	1.5	1.1	
	N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
E6M	Mean	18.4 ^A	20.4 ^a	22.0 ^C	22.3 ^C	21.7 ^C	21.8 ^C	21.9	23.9 ^{B,C}	21.5	21.1	21.5 ^C	21.9	21.8	21.6	-1.8
	SD	1.0	1.2	1.2	1.8	1.6	1.6	1.7	2.4	1.4	1.0	1.3	1.7	2.4	1.2	
	N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t test.

A = CM vs. NT6M, B0.3M, B3M, B6M, E0.3M, E3M, E6M.

B = NT6M vs. B6M, E6M.

C = Corresponding blend vs. extract dose groups (B0.3M vs. E0.3M, B3M vs. E3M, B6M vs. E6M).

* Grand mean percent change relative to CM.

Table 12. Group Mean Average Feed Consumption (g) per Day – Females

Group		Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Day	Grand Mean	%	
		7	14	21	28	35	42	49	56	63	70	77	84	91	± SD	Change*	
CF	Mean	14.7	15.5	16.1	15.8	17.0	18.3	17.8	19.2	17.3	16.9	16.5	16.3	15.1	16.7		
	SD	0.9	0.7	0.5	1.1	0.7	3.1	1.4	2.7	0.8	0.8	1.1	0.4	1.0	1.3		0
	N	7	7	7	7	7	7	7	7	7	7	7	7	7			
NT6F	Mean	12.1 ^A	12.8 ^a	14.0 ^A	12.4 ^A	13.8 ^A	13.5 ^a	14.9 ^A	15.4 ^a	13.5 ^A	13.7 ^A	13.3 ^A	13.4 ^a	12.3 ^A	13.5		
	SD	1.5	0.4	0.4	0.5	0.6	0.8	2.2	2.0	0.7	0.6	0.6	0.5	0.5	1.0		-19.2
	N	7	7	7	7	7	7	7	7	7	7	7	7	7			
B0.3F	Mean	13.9	14.4 ^a	15.4	14.3 ^a	15.8	15.9	16.7	16.9	16.4	16.0	15.8	15.3	15.5	15.6		
	SD	1.0	0.9	0.9	1.1	1.3	0.9	0.9	1.0	1.1	0.9	0.8	1.2	0.7	0.9		-6.6
	N	7	7	7	7	7	7	7	7	7	7	7	7	7			
B3F	Mean	12.7 ^A	13.9 ^a	14.8 ^A	14.6	15.3 ^A	15.0 ^a	16.2	16.8	15.6 ^A	15.7	15.4	14.7 ^a	14.4	15.0		
	SD	0.8	1.0	0.8	0.8	1.0	0.8	1.6	1.5	1.2	1.2	1.3	0.8	0.8	1.0		-10.2
	N	7	7	7	7	7	7	7	7	7	7	7	7	7			
B6F	Mean	11.9 ^A	12.9 ^a	13.5 ^A	13.1 ^A	13.8 ^A	12.6 ^a	13.4 ^A	14.2 ^a	12.8 ^A	13.0 ^A	12.6 ^A	12.0 ^{a,B}	12.4 ^A	12.9		
	SD	0.6	0.9	1.0	0.9	0.9	0.6	0.8	0.8	0.9	0.8	0.9	0.4	1.0	0.7		-22.8
	N	7	7	7	7	7	7	7	7	7	7	7	7	7			
E0.3F	Mean	14.6	16.3 ^C	16.6 ^C	17.2 ^C	17.0	16.9	17.7	17.9	16.7	16.7	16.0	16.0	16.0	16.6		
	SD	0.8	2.1	0.4	1.5	1.2	1.1	0.7	1.2	1.3	1.6	1.2	1.5	1.8	0.9		0
	N	7	7	7	7	7	7	7	7	7	7	7	7	7			
E3F	Mean	13.8 ^C	14.9 ^C	16.1 ^C	15.0	15.9	15.7	16.4	17.2	16.1	15.6	15.6	15.3 ^a	15.1	15.6		
	SD	0.9	0.8	1.2	0.8	0.7	0.7	1.0	1.3	1.0	1.1	1.1	0.8	0.8	0.8		-6.6
	N	7	7	7	7	7	7	7	7	7	7	7	7	7			
E6F	Mean	12.3 ^A	13.3 ^a	14.1 ^A	13.7 ^{A,B}	14.0 ^A	13.4 ^a	14.3 ^A	14.4 ^a	13.3 ^A	13.7 ^A	13.3 ^A	12.4 ^{a,B}	13.0 ^A	13.5		
	SD	0.7	0.7	0.8	0.9	0.8	0.9	1.3	0.4	0.9	1.2	0.8	0.9	0.6	0.7		-19.2
	N	7	7	7	7	7	7	7	7	7	7	7	7	7			

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t test.

A = CF vs. NT6F, B0.3F, B3F, B6F, E0.3F, E3F, E6F.

B = NT6F vs. B6F, E6F.

C = Corresponding blend vs. extract dose groups (B0.3F vs. E0.3F, B3F vs. E3F, B6F vs. E6F).

* Grand mean percent change relative to CF.

Table 13. Group Mean Hematology Data – Males

Group		Red Blood Cell	Hemoglobin	Hematocrit	Mean	Mean
		Count (10 ⁶ /μL)	(g/dL)	(%)	Corpuscular Volume (fL)	Corpuscular Hemoglobin (pg)
CM	Mean	8.83	15.1	46.5	52.7	17.2
	SD	0.40	0.4	1.7	1.3	0.5
	N	20	20	20	20	20
NT6M	Mean	8.97	15.4	47.5	52.9	17.2
	SD	0.52	0.8	2.7	1.7	0.8
	N	20	20	20	20	20
B0.3M	Mean	8.81	15.3	47.1	53.5	17.4
	SD	0.49	0.5	1.9	1.6	0.7
	N	20	20	20	20	20
B3M	Mean	8.81	15.3	46.9	53.3	17.4
	SD	0.40	0.6	1.9	1.6	0.7
	N	20	20	20	20	20
B6M	Mean	8.67	15.2	46.5	53.6	17.6
	SD	0.39	0.6	2.2	1.4	0.6
	N	20	20	20	20	20
E0.3M	Mean	8.73	15.2	46.6	53.5	17.4
	SD	0.47	0.7	2.5	1.1	0.6
	N	20	20	20	20	20
E3M	Mean	8.82	15.2	46.9	53.2	17.3
	SD	0.43	0.6	1.9	1.2	0.6
	N	20	20	20	20	20
E6M	Mean	8.63 ^B	15.1	46.3	53.7	17.5
	SD	0.51	0.8	2.4	1.5	0.6
	N	20	20	20	20	20

Table 13. Group Mean Hematology Data – Males

Group		Mean Corpuscular Hemoglobin Concentration (g/dL)	Platelet Count (10³/μL)	Reticulocytes (10³/μL)
CM	Mean	32.6	711	165.9
	SD	0.6	78	18.5
	N	20	20	20
NT6M	Mean	32.5	719	153.9
	SD	0.7	105	18.4
	N	20	20	20
B0.3M	Mean	32.5	710	167.7
	SD	0.7	91	26.7
	N	20	20	20
B3M	Mean	32.7	740	169.5
	SD	0.8	85	25.9
	N	20	20	20
B6M	Mean	32.7	741	158.0
	SD	0.7	94	21.7
	N	20	20	20
E0.3M	Mean	32.6	709	162.8
	SD	0.9	87	22.5
	N	20	20	20
E3M	Mean	32.5	705	159.8
	SD	0.7	86	19.1
	N	20	20	20
E6M	Mean	32.6	701	161.2
	SD	0.5	94	24.4
	N	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t test.

A = CM vs. NT6M, B0.3M, B3M, B6M, E0.3M, E3M, E6M.

B = NT6M vs. B6M, E6M.

C = Corresponding blend vs. extract dose groups (B0.3M vs. E0.3M, B3M vs. E3M, B6M vs. E6M).

Table 14. Group Mean Hematology Data – Females

Group		Red Blood Cell	Hemoglobin	Hematocrit	Mean	Mean
		Count (10 ⁶ /μL)	(g/dL)	(%)	Corpuscular Volume (fL)	Corpuscular Hemoglobin (pg)
CF	Mean	8.14	14.9	44.7	54.9	18.3
	SD	0.41	0.4	2.0	1.5	0.8
	N	20	20	20	20	20
NT6F	Mean	8.40	15.0	45.2	53.8 ^A	17.8 ^a
	SD	0.39	0.7	2.3	1.1	0.4
	N	20	20	20	20	20
B0.3F	Mean	8.31	14.9	45.0	54.1	17.9
	SD	0.38	0.5	2.2	1.3	0.5
	N	20	20	20	20	20
B3F	Mean	8.23	14.7	44.6	54.2	17.8 ^a
	SD	0.44	0.7	2.5	1.2	0.5
	N	19	19	19	19	19
B6F	Mean	7.95 ^B	14.3 ^{A,B}	43.0 ^B	54.0	18.0
	SD	0.34	0.6	1.6	1.0	0.5
	N	20	20	20	20	20
E0.3F	Mean	8.35	14.8	45.0	53.9	17.8 ^a
	SD	0.50	0.6	2.2	1.3	0.6
	N	20	20	20	20	20
E3F	Mean	8.21	14.8	44.7	54.4	18.0
	SD	0.50	0.8	2.5	1.4	0.5
	N	20	20	20	20	20
E6F	Mean	8.08 ^B	14.4 ^B	43.4 ^B	53.7 ^A	17.8 ^a
	SD	0.35	0.7	2.0	1.2	0.7
	N	20	20	20	20	20

Table 14. Group Mean Hematology Data – Females

Group		Mean Corpuscular Hemoglobin Concentration (g/dL)	Platelet Count (10³/μL)	Reticulocytes (10³/μL)
CF	Mean	33.4	732	182.3
	SD	0.9	103	23.4
	N	20	20	20
NT6F	Mean	33.1	693	174.9
	SD	0.5	110	31.5
	N	20	20	20
B0.3F	Mean	33.1	694	182.8
	SD	0.8	93	33.3
	N	20	20	20
B3F	Mean	32.9	725	199.0
	SD	0.8	84	39.7
	N	19	19	19
B6F	Mean	33.4	716	184.5
	SD	0.6	104	30.1
	N	20	20	20
E0.3F	Mean	33.0	736	188.2
	SD	0.6	71	32.6
	N	20	20	20
E3F	Mean	33.1	713	191.9
	SD	0.5	112	40.5
	N	20	20	20
E6F	Mean	33.2	730	173.2
	SD	0.9	122	35.6
	N	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t test.

A = CF vs. NT6F, B0.3F, B3F, B6F, E0.3F, E3F, E6F. B = NT6F vs. B6F, E6F.

C = Corresponding blend vs. extract dose groups (B0.3F vs. E0.3F, B3F vs. E3F, B6F vs. E6F).

Table 15. Group Mean Absolute WBC Differential Count Data – Males

Group		White Blood Cell		Total			
		Count (10 ³ /μL)	Neutrophils (10 ³ /μL)	Lymphocytes (10 ³ /μL)	Monocytes (10 ³ /μL)	Eosinophils (10 ³ /μL)	Basophils (10 ³ /μL)
CM	Mean	5.94	1.33	4.35	0.17	0.09	0.01
	SD	1.22	0.53	0.98	0.09	0.04	0.01
	N	20	20	20	20	20	20
NT6M	Mean	6.54	1.08	5.22	0.15	0.07	0.01 ^A
	SD	1.84	0.38	1.52	0.07	0.02	0.01
	N	20	20	20	20	20	20
B0.3M	Mean	6.55	1.27	5.01	0.17	0.09	0.01
	SD	1.40	0.39	1.48	0.07	0.08	0.01
	N	20	20	20	20	20	20
B3M	Mean	6.41	1.11	5.08	0.15	0.07 ^a	0.01
	SD	1.84	0.50	1.56	0.06	0.02	0.01
	N	20	20	20	20	20	20
B6M	Mean	6.41	1.02 ^a	5.18	0.12	0.08	0.01
	SD	1.36	0.20	1.26	0.04	0.03	0.01
	N	20	20	20	20	20	20
E0.3M	Mean	6.09	1.09	4.75	0.15	0.09	0.01
	SD	1.70	0.27	1.57	0.06	0.04	0.00
	N	20	20	20	20	20	20
E3M	Mean	6.43	1.15	5.04	0.16	0.07	0.01
	SD	1.47	0.48	1.21	0.07	0.03	0.01
	N	20	20	20	20	20	20
E6M	Mean	7.35 ^{A,C}	1.21	5.90 ^{A,C}	0.15	0.08	0.01
	SD	1.14	0.42	0.95	0.05	0.03	0.00
	N	20	20	20	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t test. A = CM vs. NT6M, B0.3M, B3M, B6M, E0.3M, E3M, E6M. B = NT6M vs. B6M, E6M. C = Corresponding blend vs. extract dose groups (B0.3M vs. E0.3M, B3M vs. E3M, B6M vs. E6M).

Table 16. Group Mean Absolute WBC Differential Count Data – Females

Group		White Blood Cell		Total			Basophils (10 ³ /μL)
		Count (10 ³ /μL)	Neutrophils (10 ³ /μL)	Lymphocytes (10 ³ /μL)	Monocytes (10 ³ /μL)	Eosinophils (10 ³ /μL)	
CF	Mean	4.00	0.69	3.13	0.11	0.05	0.01
	SD	0.80	0.38	0.65	0.04	0.02	0.01
	N	20	20	20	20	20	20
NT6F	Mean	5.10 ^a	0.66	4.26 ^a	0.12	0.05	0.01
	SD	1.27	0.18	1.09	0.06	0.02	0.00
	N	20	20	20	20	20	20
B0.3F	Mean	4.95 ^a	0.91	3.82 ^a	0.16	0.07	0.01
	SD	1.40	0.41	1.15	0.11	0.03	0.01
	N	20	20	20	20	20	20
B3F	Mean	4.49	0.69	3.63	0.11	0.05	0.01
	SD	1.66	0.29	1.37	0.07	0.03	0.01
	N	19	19	19	19	19	19
B6F	Mean	4.70	0.77	3.74	0.13	0.06	0.01
	SD	1.32	0.25	1.15	0.06	0.03	0.01
	N	20	20	20	20	20	20
E0.3F	Mean	4.55	0.83	3.53	0.13	0.06	0.01
	SD	1.52	0.35	1.18	0.08	0.02	0.01
	N	20	20	20	20	20	20
E3F	Mean	4.29	0.72	3.41	0.10	0.05	0.01
	SD	1.37	0.24	1.26	0.05	0.02	0.01
	N	20	20	20	20	20	20
E6F	Mean	5.18 ^a	0.76	4.21 ^a	0.14	0.07	0.01
	SD	1.92	0.28	1.67	0.08	0.03	0.01
	N	20	20	20	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t test.

A = CF vs. NT6F, B0.3F, B3F, B6F, E0.3F, E3F, E6F. B = NT6F vs. B6F, E6F.

C = Corresponding blend vs. extract dose groups (B0.3F vs. E0.3F, B3F vs. E3F, B6F vs. E6F).

Table 17. Group Mean Coagulation Data – Males

Group	Prothrombin Time (Seconds)	
	CM	Mean
	SD	0.8
	N	19
NT6M	Mean	15.9
	SD	0.9
	N	19
B0.3M	Mean	15.5
	SD	0.8
	N	19
B3M	Mean	15.6
	SD	0.8
	N	20
B6M	Mean	15.8
	SD	1.0
	N	20
E0.3M	Mean	15.5
	SD	0.6
	N	20
E3M	Mean	15.6
	SD	0.9
	N	20
E6M	Mean	16.0 ^A
	SD	1.0
	N	19

Multiple comparisons were made according to the letters listed below.

Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t test.

A = CM vs. NT6M, B0.3M, B3M, B6M, E0.3M, E3M, E6M. B = NT6M vs. B6M, E6M.

C = Corresponding blend vs. extract dose groups (B0.3M vs. E0.3M, B3M vs. E3M, B6M vs. E6M).

Table 18. Group Mean Coagulation Data – Females

Group	Prothrombin Time (Seconds)	
		Mean
CF	Mean	16.2
	SD	0.6
	N	18
NT6F	Mean	16.1
	SD	1.0
	N	18
B0.3F	Mean	16.1
	SD	0.6
	N	18
B3F	Mean	15.9
	SD	0.5
	N	17
B6F	Mean	15.8
	SD	0.6
	N	20
E0.3F	Mean	15.8
	SD	0.9
	N	20
E3F	Mean	15.8
	SD	0.6
	N	18
E6F	Mean	15.8
	SD	0.7
	N	19

Multiple comparisons were made according to the letters listed below.

Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t test.

A = CF vs. NT6F, B0.3F, B3F, B6F, E0.3F, E3F, E6F. B = NT6F vs. B6F, E6F.

C = Corresponding blend vs. extract dose groups (B0.3F vs. E0.3F, B3F vs. E3F, B6F vs. E6F).

Table 19. Group Mean Serum Chemistry Data – Males

Group		Alkaline Phosphatase	Aspartate	Gamma	Total Bilirubin
		(U/L)	Aminotransferase (U/L)	Glutamyltransferase (U/L)	(mg/dL)
CM	Mean	67	65	0	0.09
	SD	15	10	0	0.02
	N	20	20	20	20
NT6M	Mean	76	72	0	0.10
	SD	19	13	0	0.03
	N	20	20	20	20
B0.3M	Mean	72	61	0	0.10
	SD	14	8	0	0.03
	N	20	20	20	20
B3M	Mean	71	68	0	0.09
	SD	13	7	0	0.02
	N	20	20	20	20
B6M	Mean	69	65	0	0.09
	SD	11	8	0	0.02
	N	20	20	20	20
E0.3M	Mean	71	67 ^C	0	0.08
	SD	13	10	0	0.03
	N	20	20	20	20
E3M	Mean	70	70	0	0.10
	SD	15	18	0	0.02
	N	20	20	20	20
E6M	Mean	74	69	0	0.09
	SD	28	14	0	0.02
	N	20	20	20	20

Table 19. Group Mean Serum Chemistry Data – Males

Group		Direct Bilirubin (mg/dL)	Total Protein (g/dL)	Glucose (mg/dL)	Albumin (g/dL)
CM	Mean	0.03	6.4	89	4.3
	SD	0.01	0.2	14	0.2
	N	20	20	20	20
NT6M	Mean	0.03	6.2	84	4.2
	SD	0.01	0.2	12	0.2
	N	20	20	20	20
B0.3M	Mean	0.03	6.4	90	4.2
	SD	0.01	0.3	14	0.2
	N	20	20	20	20
B3M	Mean	0.03	6.3	90	4.2
	SD	0.01	0.3	13	0.2
	N	20	20	20	20
B6M	Mean	0.03	6.2 ^A	86	4.2
	SD	0.01	0.2	18	0.2
	N	20	20	20	20
E0.3M	Mean	0.03	6.5	89	4.3
	SD	0.01	0.3	13	0.2
	N	20	20	20	20
E3M	Mean	0.03	6.3	88	4.2
	SD	0.01	0.2	16	0.2
	N	20	20	20	20
E6M	Mean	0.04	6.1 ^A	84	4.2
	SD	0.02	0.2	11	0.2
	N	20	20	20	20

Table 19. Group Mean Serum Chemistry Data – Males

Group		Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
CM	Mean	2.2	1.97	14	0.7
	SD	0.1	0.14	2	0.0
	N	20	20	20	20
NT6M	Mean	2.0 ^A	2.13 ^a	18 ^A	0.7
	SD	0.2	0.24	3	0.1
	N	20	20	20	20
B0.3M	Mean	2.2	1.98	15	0.7
	SD	0.2	0.25	3	0.0
	N	20	20	20	20
B3M	Mean	2.1	2.02	16	0.7
	SD	0.2	0.17	2	0.0
	N	20	20	20	20
B6M	Mean	2.0 ^A	2.16 ^a	17 ^A	0.7
	SD	0.2	0.31	2	0.0
	N	20	20	20	20
E0.3M	Mean	2.2	1.99	15	0.7
	SD	0.2	0.20	2	0.0
	N	20	20	20	20
E3M	Mean	2.1	2.03	15	0.7
	SD	0.2	0.22	2	0.0
	N	20	20	20	20
E6M	Mean	2.0 ^A	2.13 ^a	17 ^A	0.7
	SD	0.2	0.29	3	0.0
	N	20	20	20	20

Table 19. Group Mean Serum Chemistry Data – Males

Group		Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
CM	Mean	60	79	11.2	7.3
	SD	29	13	0.3	1.3
	N	20	20	20	20
NT6M	Mean	41 ^a	78	11.5	9.0 ^A
	SD	22	11	0.4	1.3
	N	20	20	20	20
B0.3M	Mean	55	79	11.3	7.6
	SD	21	16	0.4	1.4
	N	20	20	20	20
B3M	Mean	42 ^a	79	11.3	8.5
	SD	17	15	0.4	1.4
	N	20	20	20	20
B6M	Mean	39 ^a	77	11.4	9.1 ^A
	SD	15	10	0.4	2.1
	N	20	20	20	20
E0.3M	Mean	49	78	11.3	7.8
	SD	18	16	0.4	1.1
	N	20	20	20	20
E3M	Mean	46	78	11.4	8.6 ^A
	SD	35	14	0.4	1.2
	N	20	20	20	20
E6M	Mean	43	78	11.4	8.7 ^A
	SD	24	12	0.4	1.7
	N	20	20	20	20

Table 19. Group Mean Serum Chemistry Data – Males

Group		Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
CM	Mean	145	5.7	100
	SD	1	0.3	1
	N	20	20	20
NT6M	Mean	147 ^A	6.0	100
	SD	1	0.3	1
	N	20	20	20
B0.3M	Mean	146	5.9	100
	SD	1	0.4	1
	N	20	20	20
B3M	Mean	146 ^A	5.7	100
	SD	1	0.4	2
	N	20	20	20
B6M	Mean	146 ^A	5.7 ^B	101
	SD	1	0.5	1
	N	20	20	20
E0.3M	Mean	146	5.7 ^C	100
	SD	1	0.4	1
	N	20	20	20
E3M	Mean	147 ^A	5.9	101
	SD	1	0.4	1
	N	20	20	20
E6M	Mean	146 ^A	6.0	100
	SD	1	0.4	1
	N	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t test.

A = CM vs. NT6M, B0.3M, B3M, B6M, E0.3M, E3M, E6M. B = NT6M vs. B6M, E6M.

C = Corresponding blend vs. extract dose groups (B0.3M vs. E0.3M, B3M vs. E3M, B6M vs. E6M).

Table 20. Group Mean Serum Chemistry Data – Females

Group		Alkaline Phosphatase	Aspartate	Gamma	Total Bilirubin
		(U/L)	Aminotransferase (U/L)	Glutamyltransferase (U/L)	(mg/dL)
CF	Mean	31	78	0	0.11
	SD	9	27	0	0.03
	N	20	20	20	20
NT6F	Mean	40 ^a	73	0	0.10
	SD	13	15	0	0.02
	N	20	20	20	20
B0.3F	Mean	31	73	0	0.10
	SD	11	14	0	0.02
	N	20	20	20	20
B3F	Mean	30	67	0	0.11
	SD	9	8	0	0.02
	N	19	19	19	19
B6F	Mean	39 ^a	71	0	0.11
	SD	14	12	0	0.02
	N	20	20	20	20
E0.3F	Mean	31	71	0	0.10
	SD	10	20	0	0.02
	N	20	20	20	20
E3F	Mean	34	70	0	0.11
	SD	13	17	0	0.02
	N	20	20	20	20
E6F	Mean	41 ^a	78	0	0.10
	SD	18	12	0	0.02
	N	20	20	20	20

Table 20. Group Mean Serum Chemistry Data – Females

Group		Direct Bilirubin (mg/dL)	Total Protein (g/dL)	Glucose (mg/dL)	Albumin (g/dL)
CF	Mean	0.04	7.2	83	5.1
	SD	0.01	0.3	12	0.3
	N	20	20	20	20
NT6F	Mean	0.04	6.6 ^A	79	4.6 ^A
	SD	0.01	0.3	10	0.2
	N	20	20	20	20
B0.3F	Mean	0.04	6.9 ^A	81	4.9 ^A
	SD	0.01	0.3	10	0.2
	N	20	20	20	20
B3F	Mean	0.04	6.9	79	5.0
	SD	0.01	0.4	9	0.3
	N	19	19	19	19
B6F	Mean	0.04	6.7 ^A	77	4.7 ^A
	SD	0.01	0.3	10	0.2
	N	20	20	20	20
E0.3F	Mean	0.04	7.0	78	4.9
	SD	0.01	0.4	8	0.3
	N	20	20	20	20
E3F	Mean	0.04	7.0	79	5.0
	SD	0.01	0.4	10	0.3
	N	20	20	20	20
E6F	Mean	0.04	6.6 ^A	75	4.6 ^A
	SD	0.01	0.3	8	0.2
	N	20	20	20	20

Table 20. Group Mean Serum Chemistry Data – Females

Group		Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
CF	Mean	2.1	2.45	19	0.8
	SD	0.2	0.27	3	0.1
	N	20	20	20	20
NT6F	Mean	2.0	2.39	21	0.8
	SD	0.2	0.20	4	0.1
	N	20	20	20	20
B0.3F	Mean	2.0	2.44	18	0.8
	SD	0.2	0.24	3	0.1
	N	20	20	20	20
B3F	Mean	2.0	2.54	21	0.8
	SD	0.2	0.27	2	0.1
	N	19	19	19	19
B6F	Mean	2.0	2.39	21	0.8
	SD	0.1	0.20	2	0.1
	N	20	20	20	20
E0.3F	Mean	2.1	2.40	19	0.8
	SD	0.2	0.25	3	0.0
	N	20	20	20	20
E3F	Mean	2.1	2.43	19	0.8
	SD	0.2	0.24	2	0.1
	N	20	20	20	20
E6F	Mean	2.0	2.34	22 ^A	0.8
	SD	0.2	0.20	3	0.1
	N	20	20	20	20

Table 20. Group Mean Serum Chemistry Data – Females

Group		Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
CF	Mean	36	68	11.6	7.1
	SD	9	14	0.4	1.4
	N	20	20	20	20
NT6F	Mean	37	70	11.4	8.0
	SD	13	19	0.3	1.7
	N	20	20	20	20
B0.3F	Mean	36	69	11.3 ^a	7.6
	SD	12	14	0.3	1.6
	N	20	20	20	20
B3F	Mean	38	72	11.6	7.9
	SD	16	11	0.6	1.5
	N	19	19	19	19
B6F	Mean	35	77	11.4	8.1
	SD	8	16	0.4	1.7
	N	20	20	20	20
E0.3F	Mean	34	72	11.4	7.1
	SD	9	17	0.3	1.4
	N	20	20	20	20
E3F	Mean	36	77	11.5	7.5
	SD	9	15	0.4	1.4
	N	20	20	20	20
E6F	Mean	44 ^c	80	11.4	7.8
	SD	13	13	0.4	1.2
	N	20	20	20	20

Table 20. Group Mean Serum Chemistry Data – Females

Group		Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
CF	Mean	145	5.4	100
	SD	2	0.4	2
	N	20	20	20
NT6F	Mean	146	5.6	100
	SD	1	0.3	2
	N	20	20	20
B0.3F	Mean	145	5.2	99
	SD	1	0.6	2
	N	20	20	20
B3F	Mean	146	5.5	100
	SD	2	0.6	2
	N	19	19	19
B6F	Mean	146	5.5	100
	SD	1	0.5	1
	N	20	20	20
E0.3F	Mean	145	5.4	100
	SD	1	0.4	2
	N	20	20	20
E3F	Mean	145	5.5	99
	SD	1	0.5	2
	N	20	20	20
E6F	Mean	146	5.6	99 ^{B,C}
	SD	1	0.5	1
	N	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t test.

A = CF vs. NT6F, B0.3F, B3F, B6F, E0.3F, E3F, E6F. B = NT6F vs. B6F, E6F.

C = Corresponding blend vs. extract dose groups (B0.3F vs. E0.3F, B3F vs. E3F, B6F vs. E6F).

Table 21. Group Mean Urine Chemistry Data – Males

Group		Specific Gravity	pH	Urine Volume (mL)
CM	Mean	1.026	6.6	10.2
	SD	0.016	0.5	6.5
	N	10	10	10
NT6M	Mean	1.019	6.7	11.7
	SD	0.007	0.3	5.5
	N	10	10	10
B0.3M	Mean	1.023	6.5	8.4
	SD	0.009	0.5	2.9
	N	10	10	10
B3M	Mean	1.025	6.3	8.8
	SD	0.012	0.3	4.6
	N	10	10	10
B6M	Mean	1.025	6.8	10.7
	SD	0.019	0.5	6.8
	N	10	10	10
E0.3M	Mean	1.018	6.5	10.8
	SD	0.007	0.5	4.9
	N	8	8	8
E3M	Mean	1.019	6.6	13.6
	SD	0.011	0.5	6.9
	N	10	10	10
E6M	Mean	1.021	6.8	10.9
	SD	0.010	0.4	8.3
	N	10	10	10

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t test. A = CM vs. NT6M, B0.3M, B3M, B6M, E0.3M, E3M, E6M. B = NT6M vs. B6M, E6M. C = Corresponding blend vs. extract dose groups (B0.3M vs. E0.3M, B3M vs. E3M, B6M vs. E6M).

Table 22. Group Mean Urine Chemistry Data – Females

Group		Specific Gravity	pH	Urine Volume (mL)
CF	Mean	1.016	6.1	10.4
	SD	0.008	0.5	6.3
	N	10	10	10
NT6F	Mean	1.021	6.3	6.1
	SD	0.005	0.4	2.4
	N	10	10	10
B0.3F	Mean	1.015	6.0	11.5
	SD	0.007	0.5	7.2
	N	10	10	10
B3F	Mean	1.023	5.9	7.1
	SD	0.014	0.3	3.2
	N	10	10	10
B6F	Mean	1.022	6.1	6.4
	SD	0.007	0.4	3.1
	N	10	10	10
E0.3F	Mean	1.014	6.3	17.2
	SD	0.007	0.4	11.2
	N	10	10	10
E3F	Mean	1.018	6.0	9.1
	SD	0.007	0.6	8.2
	N	9	9	9
E6F	Mean	1.020	6.0	7.0
	SD	0.004	0.4	2.2
	N	10	10	10

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t test.

A = CF vs. NT6F, B0.3F, B3F, B6F, E0.3F, E3F, E6F. B = NT6F vs. B6F, E6F.

C = Corresponding blend vs. extract dose groups (B0.3F vs. E0.3F, B3F vs. E3F, B6F vs. E6F).

Table 23. Individual Animal Urinalysis Data – Males

Group	Animal		Appearance	Color	Glucose	pH	Protein
	ID	Day					
CM	101	92	Clear	Yellow	Negative	7.0	Negative, Trace
	102	92	Clear	Yellow	Negative	7.0	~30 mg/dL
	103	92	Clear	Yellow	Negative	7.0	~30 mg/dL
	104	92	Clear	Yellow	Negative	6.0	~100 mg/dL
	105	92	Clear	Yellow	Negative	7.0	Negative, Trace
	111	93	Clear	Yellow	Negative	6.0	Negative, Trace
	112	93	Clear	Yellow	Negative	6.5	~30 mg/dL
	113	93	Clear	Yellow	Negative	6.5	Negative, Trace
	114	93	Clear	Yellow	Negative	6.0	Negative, Trace
	115	93	Clear	Yellow	Negative	7.0	Negative, Trace
	NT6M	201	92	Clear	Yellow	Negative	6.5
202		92	Clear	Yellow	Negative	6.0	Negative, Trace
203		92	Clear	Yellow	Negative	6.5	Negative, Trace
204		92	Clear	Yellow	Negative	7.0	Negative, Trace
205		92	Clear	Yellow	Negative	6.5	Negative, Trace
211		93	Clear	Yellow	Negative	6.5	Negative, Trace
212		93	Clear	Yellow	Negative	7.0	~30 mg/dL
213		93	Clear	Yellow	Negative	7.0	~30 mg/dL
214		93	Clear	Yellow	Negative	7.0	Negative, Trace
215		93	Clear	Yellow	Negative	7.0	Negative, Trace
B0.3M		301	92	Clear	Yellow	Negative	6.0
	302	92	Clear	Yellow	Negative	6.5	Negative, Trace
	303	92	Clear	Yellow	Negative	6.0	Negative, Trace
	304	92	Clear	Yellow	Negative	7.5	~30 mg/dL
	305	92	Clear	Yellow	Negative	6.0	~30 mg/dL
	311	93	Clear	Yellow	Negative	6.0	Negative, Trace
	312	93	Clear	Yellow	Negative	6.5	~30 mg/dL
	313	93	Clear	Yellow	Negative	6.5	~30 mg/dL
	314	93	Clear	Yellow	Negative	6.5	Negative, Trace
	315	93	Clear	Yellow	Negative	7.0	Negative, Trace

Table 23. Individual Animal Urinalysis Data – Males

Group	Animal		Appearance	Color	Glucose	pH	Protein
	ID	Day					
B3M	401	92	Clear	Yellow	Negative	6.0	Negative, Trace
	402	92	Clear	Yellow	Negative	6.5	~30 mg/dL
	403	92	Clear	Yellow	Negative	6.0	Negative, Trace
	404	92	Clear	Yellow	Negative	6.0	~30 mg/dL
	405	92	Clear	Yellow	Negative	6.5	~100 mg/dL
	411	93	Clear	Yellow	Negative	6.0	~30 mg/dL
	412	93	Clear	Yellow	Negative	7.0	~30 mg/dL
	413	93	Clear	Yellow	Negative	6.5	~30 mg/dL
	414	93	Clear	Yellow	Negative	6.0	~30 mg/dL
	415	93	Clear	Yellow	Negative	6.5	Negative, Trace
B6M	501	92	Clear	Yellow	Negative	6.0	Negative, Trace
	502	92	Clear	Yellow	Negative	6.0	~100 mg/dL
	503	92	Clear	Yellow	Negative	7.0	Negative, Trace
	504	92	Clear	Yellow	Negative	6.0	Negative, Trace
	505	92	Clear	Yellow	Negative	7.0	~30 mg/dL
	511	93	Clear	Yellow	Negative	7.5	~30 mg/dL
	512	93	Clear	Yellow	Negative	7.0	Negative, Trace
	513	93	Clear	Yellow	Negative	7.0	Negative, Trace
	514	93	Clear	Yellow	Negative	7.0	Negative, Trace
	515	93	Clear	Yellow	Negative	7.0	Negative, Trace
E0.3M	601	92	Clear	Yellow	Negative	6.0	Negative, Trace
	603	92	Clear	Yellow	Negative	6.5	Negative, Trace
	604	92	Clear	Yellow	Negative	7.0	Negative, Trace
	605	92	Clear	Yellow	Negative	7.0	Negative, Trace
	611	93	Clear	Yellow	Negative	6.0	Negative, Trace
	612	93	Clear	Yellow	Negative	6.0	~30 mg/dL
	613	93	Clear	Yellow	Negative	6.5	Negative, Trace
	614	93	Clear	Yellow	Negative	7.0	Negative, Trace

Table 23. Individual Animal Urinalysis Data – Males

Group	Animal		Appearance	Color	Glucose	pH	Protein
	ID	Day					
E3M	701	92	Clear	Yellow	Negative	6.0	Negative, Trace
	702	92	Clear	Yellow	Negative	6.5	Negative, Trace
	703	92	Clear	Yellow	Negative	6.0	Negative, Trace
	704	92	Clear	Yellow	Negative	6.5	~30 mg/dL
	705	92	Clear	Yellow	Negative	6.0	~30 mg/dL
	711	93	Clear	Yellow	Negative	7.0	Negative, Trace
	712	93	Clear	Yellow	Negative	6.5	~30 mg/dL
	713	93	Clear	Yellow	Negative	6.5	Negative, Trace
	714	93	Clear	Yellow	Negative	7.5	Negative, Trace
	715	93	Clear	Yellow	Negative	7.0	Negative, Trace
E6M	801	92	Clear	Yellow	Negative	7.0	Negative, Trace
	802	92	Clear	Yellow	Negative	7.0	~30 mg/dL
	803	92	Clear	Yellow	Negative	7.0	~100 mg/dL
	804	92	Clear	Yellow	Negative	6.5	Negative, Trace
	805	92	Clear	Yellow	Negative	6.5	Negative, Trace
	811	93	Clear	Yellow	Negative	6.0	Negative, Trace
	812	93	Clear	Yellow	Negative	7.0	Negative, Trace
	813	93	Clear	Yellow	Negative	7.0	Negative, Trace
	814	93	Clear	Yellow	Negative	6.5	Negative, Trace
	815	93	Clear	Yellow	Negative	7.0	Negative, Trace

Table 24. Individual Animal Urinalysis Data – Females

Group	Animal		Appearance	Color	Glucose	pH	Protein
	ID	Day					
CF	151	93	Clear	Yellow	Negative	7.0	Negative, Trace
	152	93	Clear	Yellow	Negative	6.0	Negative, Trace
	153	93	Clear	Yellow	Negative	6.5	Negative, Trace
	154	93	Clear	Yellow	Negative	5.5	Negative, Trace
	155	93	Clear	Yellow	Negative	5.5	Negative, Trace
	161	94	Clear	Yellow	Negative	5.5	Negative, Trace
	162	94	Clear	Yellow	Negative	6.0	Negative, Trace
	163	94	Clear	Yellow	Negative	6.5	Negative, Trace
	164	94	Clear	Yellow	Negative	6.0	Negative, Trace
	165	94	Clear	Yellow	Negative	6.0	Negative, Trace
NT6F	251	93	Clear	Yellow	Negative	6.0	Negative, Trace
	252	93	Clear	Yellow	Negative	6.0	Negative, Trace
	253	93	Clear	Yellow	Negative	6.5	Negative, Trace
	254	93	Clear	Yellow	Negative	6.0	Negative, Trace
	255	93	Clear	Yellow	Negative	6.0	Negative, Trace
	261	94	Clear	Yellow	Negative	6.5	Negative, Trace
	262	94	Clear	Yellow	Negative	6.0	Negative, Trace
	263	94	Clear	Yellow	Negative	6.0	Negative, Trace
	264	94	Clear	Yellow	Negative	7.0	Negative, Trace
	265	94	Clear	Yellow	Negative	6.5	Negative, Trace
B0.3F	351	93	Clear	Yellow	Negative	5.5	Negative, Trace
	352	93	Clear	Yellow	Negative	7.0	Negative, Trace
	353	93	Clear	Yellow	Negative	6.0	Negative, Trace
	354	93	Clear	Yellow	Negative	5.5	Negative, Trace
	355	93	Clear	Yellow	Negative	6.5	Negative, Trace
	361	94	Clear	Yellow	Negative	6.0	Negative, Trace
	362	94	Clear	Yellow	Negative	6.0	Negative, Trace
	363	94	Clear	Yellow	Negative	5.5	Negative, Trace
	364	94	Clear	Yellow	Negative	6.0	Negative, Trace
	365	94	Clear	Yellow	Negative	5.5	Negative, Trace

Table 24. Individual Animal Urinalysis Data – Females

Group	Animal		Appearance	Color	Glucose	pH	Protein
	ID	Day					
B3F	451	93	Clear	Yellow	Negative	6.0	Negative, Trace
	452	93	Clear	Yellow	Negative	6.5	Negative, Trace
	453	93	Clear	Yellow	Negative	6.0	Negative, Trace
	454	93	Clear	Yellow	Negative	6.0	Negative, Trace
	456	93	Clear	Yellow	Negative	6.0	~30 mg/dL
	461	94	Clear	Yellow	Negative	5.5	Negative, Trace
	462	94	Clear	Yellow	Negative	5.5	Negative, Trace
	463	94	Clear	Yellow	Negative	6.0	Negative, Trace
	464	94	Clear	Yellow	Negative	5.5	Negative, Trace
	465	94	Clear	Yellow	Negative	6.0	Negative, Trace
B6F	551	93	Clear	Yellow	Negative	6.0	Negative, Trace
	552	93	Clear	Yellow	Negative	7.0	Negative, Trace
	553	93	Clear	Yellow	Negative	5.5	Negative, Trace
	554	93	Clear	Yellow	Negative	6.0	Negative, Trace
	555	93	Clear	Yellow	Negative	6.0	Negative, Trace
	561	94	Clear	Yellow	Negative	6.0	Negative, Trace
	562	94	Clear	Yellow	Negative	6.5	Negative, Trace
	563	94	Clear	Yellow	Negative	5.5	Negative, Trace
	564	94	Clear	Yellow	Negative	6.0	Negative, Trace
	565	94	Clear	Yellow	Negative	6.0	Negative, Trace
E0.3F	651	93	Clear	Yellow	Negative	7.0	Negative, Trace
	652	93	Clear	Yellow	Negative	6.5	Negative, Trace
	653	93	Clear	Yellow	Negative	5.5	Negative, Trace
	654	93	Clear	Yellow	Negative	6.0	Negative, Trace
	655	93	Clear	Yellow	Negative	6.5	Negative, Trace
	661	94	Clear	Yellow	Negative	6.5	Negative, Trace
	662	94	Clear	Yellow	Negative	6.0	Negative, Trace
	663	94	Clear	Yellow	Negative	6.0	Negative, Trace
	664	94	Clear	Yellow	Negative	6.0	Negative, Trace
	665	94	Clear	Straw	Negative	6.5	Negative, Trace

Table 24. Individual Animal Urinalysis Data – Females

Group	Animal		Appearance	Color	Glucose	pH	Protein
	ID	Day					
E3F	751	93	Clear	Yellow	Negative	7.0	Negative, Trace
	752	93	Clear	Yellow	Negative	5.5	Negative, Trace
	753	93	Clear	Yellow	Negative	5.5	Negative, Trace
	754	93	Clear	Yellow	Negative	6.0	Negative, Trace
	755	93	Clear	Yellow	Negative	6.5	Negative, Trace
	761	94	Clear	Yellow	Negative	6.0	Negative, Trace
	762	94	Clear	Yellow	Negative	5.5	Negative, Trace
	763	94	Clear	Yellow	Negative	5.5	Negative, Trace
	765	94	Clear	Yellow	Negative	6.5	Negative, Trace
E6F	851	93	Clear	Yellow	Negative	6.0	Negative, Trace
	852	93	Clear	Yellow	Negative	5.5	Negative, Trace
	853	93	Clear	Yellow	Negative	5.5	Negative, Trace
	854	93	Clear	Yellow	Negative	6.5	Negative, Trace
	855	93	Clear	Yellow	Negative	6.5	Negative, Trace
	861	94	Clear	Yellow	Negative	6.0	Negative, Trace
	862	94	Clear	Yellow	Negative	6.0	Negative, Trace
	863	94	Clear	Yellow	Negative	5.5	Negative, Trace
	864	94	Clear	Yellow	Negative	6.0	Negative, Trace
	865	94	Clear	Yellow	Negative	6.0	Negative, Trace

Table 25. Individual Animal Urine Sediment Data – Males

Group	Animal ID	Day	Mucus (Assessed Using High Power Field (400X))	Bacteria (Assessed Using High Power Field (400X))	Yeast (Assessed Using High Power Field (400X))	Amorphous Sediment (Assessed Using High Power Field (400X))	Crystals (Assessed Using Low Power Field (100X))
CM	101	92	None	Rare	None	None	None
	102	92	None	Few	None	None	Moderate
	103	92	None	Rare	None	None	Rare
	104	92	None	Few	None	None	None
	105	92	None	Rare	None	None	None
	111	93	None	Rare	None	Rare	None
	112	93	None	Few	None	None	None
	113	93	None	Few	None	None	None
	114	93	None	Rare	None	None	None
	115	93	None	Few	None	None	Rare
NT6M	201	92	None	Rare	None	None	Rare
	202	92	None	Few	None	None	None
	203	92	None	Few	None	None	Few
	204	92	None	Few	None	None	Rare
	205	92	None	Rare	None	None	None
	211	93	None	Rare	None	None	None
	212	93	None	Rare	None	None	Moderate
	213	93	None	None	None	None	None
	214	93	None	Rare	None	None	None
	215	93	None	Rare	None	None	None
B0.3M	301	92	None	Rare	None	None	None
	302	92	None	Few	None	None	Rare
	303	92	None	Few	None	None	None
	304	92	None	Rare	None	None	Rare
	305	92	None	Few	None	None	Rare
	311	93	None	Few	None	None	None
	312	93	None	Few	None	None	Few
	313	93	None	Rare	None	None	Rare

Table 25. Individual Animal Urine Sediment Data – Males

Group	Animal ID	Day	Mucus (Assessed Using High Power Field (400X))	Bacteria (Assessed Using High Power Field (400X))	Yeast (Assessed Using High Power Field (400X))	Amorphous Sediment (Assessed Using High Power Field (400X))	Crystals (Assessed Using Low Power Field (100X))
B0.3M	314	93	None	Rare	None	None	None
	315	93	None	Rare	None	None	None
B3M	401	92	None	Rare	None	None	None
	402	92	None	Rare	None	None	Few
	403	92	None	Rare	None	None	None
	404	92	None	Rare	None	None	None
	405	92	None	Few	None	None	Rare
	411	93	None	None	None	None	None
	412	93	None	Rare	None	None	Rare
	413	93	None	Few	None	None	None
	414	93	None	Rare	None	None	None
	415	93	None	Rare	None	None	None
B6M	501	92	None	Rare	None	None	None
	502	92	None	Few	None	None	None
	503	92	None	Rare	None	None	None
	504	92	None	Rare	None	None	None
	505	92	None	Rare	None	None	Rare
	511	93	None	Moderate	None	None	Rare
	512	93	None	Rare	None	None	None
	513	93	None	Rare	None	None	None
	514	93	None	Rare	None	None	Rare
	515	93	None	Rare	None	None	None
	E0.3M	601	92	None	Rare	None	None
603		92	None	Rare	None	None	None
604		92	None	Rare	None	None	Rare
605		92	None	Rare	None	None	Few
611		93	None	Rare	None	None	None
612		93	None	Few	None	None	None

Table 25. Individual Animal Urine Sediment Data – Males

Group	Animal ID	Day	Mucus (Assessed Using High Power Field (400X))	Bacteria (Assessed Using High Power Field (400X))	Yeast (Assessed Using High Power Field (400X))	Amorphous Sediment (Assessed Using High Power Field (400X))	Crystals (Assessed Using Low Power Field (100X))
E0.3M	613	93	None	Few	None	None	None
	614	93	None	Moderate	None	None	Few
E3M	701	92	None	Rare	None	None	None
	702	92	None	Rare	None	None	None
	703	92	None	Rare	None	None	None
	704	92	None	Few	None	None	None
	705	92	None	Few	None	None	None
	711	93	None	Rare	None	None	None
	712	93	None	Rare	None	None	Rare
	713	93	None	Few	None	None	None
	714	93	None	Rare	None	None	Rare
	715	93	None	Rare	None	None	None
E6M	801	92	None	Rare	None	None	Rare
	802	92	None	Rare	None	None	None
	803	92	None	Few	None	None	Moderate
	804	92	None	Rare	None	None	None
	805	92	Rare	Rare	None	None	None
	811	93	None	Few	None	None	None
	812	93	None	Rare	None	None	None
	813	93	None	Rare	None	None	Rare
	814	93	None	Rare	None	None	None
	815	93	None	Rare	None	None	None

Table 25. Individual Animal Urine Sediment Data – Males

Group	Animal ID	Day	White Blood	Red Blood Cells	Casts	Epithelial Cells	Sperm
			Cells (Average #/High Power Field (400X))	(Average #/High Power Field (400X))	(Average #/Low Power Field (100X))	(Average #/Low Power Field (100X))	(Average #/High Power Field (400X))
CM	101	92	0	0	0	5	48
	102	92	0	0	0	0	12
	103	92	0	0	0	1	6
	104	92	0	0	0	8	2
	105	92	0	0	0	5	5
	111	93	0	0	0	4	3
	112	93	0	0	0	10	6
	113	93	0	0	0	1	12
	114	93	0	0	0	1	10
	115	93	0	0	0	0	2
	NT6M	201	92	0	0	0	0
202		92	0	0	0	4	1
203		92	0	0	0	0	8
204		92	0	0	0	10	12
205		92	0	0	0	0	3
211		93	0	0	0	5	0
212		93	0	0	0	2	5
213		93	0	0	0	1	0
214		93	0	0	0	0	2
215		93	0	0	0	1	20
B0.3M	301	92	0	0	0	5	5
	302	92	0	0	0	1	6
	303	92	0	0	0	10	1
	304	92	0	0	0	4	1
	305	92	0	0	0	0	0
	311	93	0	0	0	6	4

Table 25. Individual Animal Urine Sediment Data – Males

Group	Animal ID	Day	White Blood	Red Blood Cells	Casts	Epithelial Cells	Sperm
			Cells (Average #/High Power Field (400X))	(Average #/High Power Field (400X))	(Average #/Low Power Field (100X))	(Average #/Low Power Field (100X))	(Average #/High Power Field (400X))
B0.3M	312	93	0	0	0	7	2
	313	93	0	0	0	1	0
	314	93	0	0	0	2	15
	315	93	0	0	0	2	1
B3M	401	92	0	1	0	3	10
	402	92	0	0	0	2	3
	403	92	0	0	0	2	3
	404	92	0	0	0	2	10
	405	92	0	0	0	0	15
	411	93	0	0	0	0	45
	412	93	0	0	0	1	1
	413	93	0	0	0	1	5
	414	93	0	0	0	3	8
	415	93	0	0	0	12	10
B6M	501	92	0	0	0	1	100
	502	92	0	0	0	2	1
	503	92	0	0	0	0	2
	504	92	0	0	0	12	30
	505	92	0	0	0	0	1
	511	93	0	0	0	5	4
	512	93	0	0	0	2	8
	513	93	0	0	0	7	5
	514	93	0	0	0	6	1
	515	93	0	1	0	3	2
E0.3M	601	92	0	0	0	2	1
	603	92	0	1	0	5	1
	604	92	0	0	0	0	10

Table 25. Individual Animal Urine Sediment Data – Males

Group	Animal ID	Day	White Blood	Red Blood Cells	Casts	Epithelial Cells	Sperm
			Cells (Average #/High Power Field (400X))	(Average #/High Power Field (400X))	(Average #/Low Power Field (100X))	(Average #/Low Power Field (100X))	(Average #/High Power Field (400X))
E0.3M	605	92	0	0	0	8	3
	611	93	0	0	0	10	4
	612	93	0	0	0	4	1
	613	93	0	0	0	4	12
	614	93	0	0	0	5	1
E3M	701	92	0	0	0	3	24
	702	92	0	0	0	0	1
	703	92	0	0	0	4	4
	704	92	0	0	0	2	2
	705	92	0	0	0	0	2
	711	93	0	1	0	5	3
	712	93	0	0	0	3	4
	713	93	0	0	0	3	2
	714	93	0	0	0	0	1
	715	93	0	0	0	0	2
E6M	801	92	0	0	0	5	5
	802	92	0	0	0	0	15
	803	92	0	0	0	1	50
	804	92	0	0	0	0	1
	805	92	0	0	0	2	0
	811	93	0	0	0	8	1
	812	93	0	0	0	0	1
	813	93	0	0	0	8	0
	814	93	0	0	0	1	2
	815	93	0	0	0	6	9

Table 26. Individual Animal Urine Sediment Data – Females

Group	Animal ID	Day	Mucus (Assessed Using High Power Field (400X))	Bacteria (Assessed Using High Power Field (400X))	Yeast (Assessed Using High Power Field (400X))	Amorphous Sediment (Assessed Using High Power Field (400X))	Crystals (Assessed Using Low Power Field (100X))
CF	151	93	None	Few	None	None	None
	152	93	None	Rare	None	None	None
	153	93	None	Rare	None	None	None
	154	93	None	Rare	None	None	None
	155	93	None	Moderate	None	None	None
	161	94	None	Rare	None	None	None
	162	94	None	Few	None	None	None
	163	94	None	Few	None	Rare	Rare
	164	94	None	Rare	None	None	None
	165	94	None	Few	None	None	None
NT6F	251	93	None	Rare	None	None	None
	252	93	None	Rare	None	None	None
	253	93	None	Few	None	None	None
	254	93	None	Rare	None	None	None
	255	93	None	Rare	None	None	None
	261	94	None	Rare	None	None	Few
	262	94	None	Few	None	None	None
	263	94	None	Rare	None	None	None
	264	94	None	Few	None	Rare	None
	265	94	None	Few	None	Rare	Few
B0.3F	351	93	None	Rare	None	None	None
	352	93	None	None	None	None	None
	353	93	None	Rare	None	None	None
	354	93	None	Few	None	None	None
	355	93	None	Few	None	None	None
	361	94	None	Rare	None	None	None
	362	94	None	Rare	None	None	None
	363	94	None	Few	None	None	None

Table 26. Individual Animal Urine Sediment Data – Females

Group	Animal ID	Day	Mucus (Assessed Using High Power Field (400X))	Bacteria (Assessed Using High Power Field (400X))	Yeast (Assessed Using High Power Field (400X))	Amorphous Sediment (Assessed Using High Power Field (400X))	Crystals (Assessed Using Low Power Field (100X))
B0.3F	364	94	None	Few	None	None	None
	365	94	None	Rare	None	None	None
B3F	451	93	None	Rare	None	None	None
	452	93	None	Few	None	None	None
	453	93	None	Few	None	None	None
	454	93	None	Rare	None	None	None
	456	93	None	Rare	None	None	None
	461	94	None	Few	None	None	None
	462	94	None	Rare	Rare	None	None
	463	94	None	Rare	None	None	None
	464	94	None	Rare	None	None	None
	465	94	None	Few	None	None	None
B6F	551	93	None	Rare	None	None	None
	552	93	None	Few	None	None	None
	553	93	None	Rare	None	None	None
	554	93	None	Rare	None	None	None
	555	93	None	Moderate	None	None	None
	561	94	None	Rare	None	None	None
	562	94	None	Few	None	None	None
	563	94	None	Rare	None	None	None
	564	94	None	Few	None	None	None
	565	94	None	Few	None	None	None
	E0.3F	651	93	None	Rare	None	None
652		93	None	Rare	None	None	None
653		93	None	Rare	None	None	None
654		93	None	Rare	None	None	None
655		93	None	Rare	None	None	None
661		94	None	Moderate	None	None	None

Table 26. Individual Animal Urine Sediment Data – Females

Group	Animal ID	Day	Mucus (Assessed Using High Power Field (400X))	Bacteria (Assessed Using High Power Field (400X))	Yeast (Assessed Using High Power Field (400X))	Amorphous Sediment (Assessed Using High Power Field (400X))	Crystals (Assessed Using Low Power Field (100X))
E0.3F	662	94	None	Few	None	None	Rare
	663	94	None	Few	None	None	None
	664	94	None	Few	None	None	None
	665	94	None	Few	None	None	None
E3F	751	93	None	Rare	None	None	Rare
	752	93	None	Few	None	None	None
	753	93	None	Rare	None	None	None
	754	93	None	Moderate	None	None	None
	755	93	None	Rare	None	None	Rare
	761	94	None	Few	None	None	None
	762	94	None	Rare	None	None	None
	763	94	None	Rare	None	None	None
	765	94	None	Few	Rare	None	None
E6F	851	93	None	Rare	None	None	None
	852	93	None	Rare	None	None	None
	853	93	None	Few	None	Rare	None
	854	93	None	Moderate	None	None	None
	855	93	None	Few	None	None	Rare
	861	94	None	Rare	None	None	None
	862	94	None	Rare	None	None	None
	863	94	None	Rare	None	None	None
	864	94	None	Few	None	None	None
	865	94	None	Rare	None	None	None

Table 26. Individual Animal Urine Sediment Data – Females

Group	Animal ID	Day	White Blood	Red Blood Cells	Casts	Epithelial Cells	Sperm
			Cells (Average #/High Power Field (400X))	(Average #/High Power Field (400X))	(Average #/Low Power Field (100X))	(Average #/Low Power Field (100X))	(Average #/High Power Field (400X))
CF	151	93	0	0	0	3	0
	152	93	0	0	0	0	0
	153	93	0	0	0	6	0
	154	93	0	0	0	2	0
	155	93	0	0	0	2	0
	161	94	1	0	0	2	0
	162	94	0	0	0	5	0
	163	94	0	0	0	0	0
	164	94	0	0	0	6	0
	165	94	0	0	0	2	0
NT6F	251	93	0	0	0	2	0
	252	93	0	0	0	10	0
	253	93	0	1	0	1	0
	254	93	1	0	0	5	0
	255	93	0	0	0	0	0
	261	94	0	0	0	4	0
	262	94	0	0	0	0	0
	263	94	0	0	0	2	0
	264	94	0	0	0	2	0
	265	94	0	0	0	1	0
B0.3F	351	93	0	0	0	4	0
	352	93	0	0	0	2	0
	353	93	0	0	0	1	0
	354	93	1	0	0	0	0
	355	93	0	0	0	2	0
	361	94	0	1	0	3	0
	362	94	0	0	0	0	0

Table 26. Individual Animal Urine Sediment Data – Females

Group	Animal ID	Day	White Blood	Red Blood Cells	Casts	Epithelial Cells	Sperm
			Cells (Average #/High Power Field (400X))	(Average #/High Power Field (400X))	(Average #/Low Power Field (100X))	(Average #/Low Power Field (100X))	(Average #/High Power Field (400X))
B0.3F	363	94	0	0	0	5	0
	364	94	0	0	0	2	0
	365	94	0	0	0	0	0
B3F	451	93	0	0	0	2	0
	452	93	0	0	0	3	0
	453	93	0	0	0	3	0
	454	93	0	0	0	7	0
	456	93	0	0	0	0	0
	461	94	0	0	0	1	0
	462	94	0	0	0	1	0
	463	94	0	0	0	0	0
	464	94	0	0	0	2	0
	465	94	0	0	0	10	0
B6F	551	93	0	0	0	3	0
	552	93	0	0	0	3	0
	553	93	0	0	0	1	0
	554	93	0	0	0	3	0
	555	93	0	0	0	1	0
	561	94	0	0	0	0	0
	562	94	0	0	0	2	0
	563	94	0	0	0	0	0
	564	94	0	0	0	1	0
	565	94	1	0	0	4	0
E0.3F	651	93	0	0	0	6	0
	652	93	0	0	0	4	0
	653	93	0	0	0	1	0
	654	93	0	0	0	2	0

Table 26. Individual Animal Urine Sediment Data – Females

Group	Animal ID	Day	White Blood	Red Blood Cells	Casts	Epithelial Cells	Sperm
			Cells (Average #/High Power Field (400X))	(Average #/High Power Field (400X))	(Average #/Low Power Field (100X))	(Average #/Low Power Field (100X))	(Average #/High Power Field (400X))
E0.3F	655	93	0	0	0	4	0
	661	94	0	0	0	2	0
	662	94	0	0	0	3	0
	663	94	0	0	0	4	0
	664	94	0	0	0	4	0
	665	94	0	0	0	5	0
E3F	751	93	0	0	0	0	0
	752	93	0	0	0	0	0
	753	93	0	0	0	1	0
	754	93	0	0	0	0	0
	755	93	0	0	0	3	0
	761	94	0	0	0	2	0
	762	94	0	0	0	4	0
	763	94	0	0	0	1	0
	765	94	0	0	0	5	0
E6F	851	93	0	0	0	1	0
	852	93	0	0	0	3	0
	853	93	0	0	0	1	0
	854	93	0	0	0	1	0
	855	93	0	0	0	5	0
	861	94	0	0	0	0	0
	862	94	0	0	0	0	0
	863	94	0	0	0	0	0
	864	94	0	0	0	3	0
	865	94	0	0	0	2	0

Table 27. Group Mean Absolute Organ Weights (g) – Males

Group		Adrenal	Brain	Epididymides	Heart	Kidneys	Liver
		Glands					
CM	Mean	0.055	2.018	1.2641	1.125	2.169	8.683
	SD	0.008	0.103	0.0964	0.141	0.202	0.682
	N	20	20	20	20	20	20
NT6M	Mean	0.058	2.007	1.2186	0.952 ^A	1.946 ^A	7.394 ^A
	SD	0.006	0.072	0.0848	0.079	0.169	0.982
	N	20	20	20	20	20	20
B0.3M	Mean	0.054	2.052	1.2885	1.075	2.080	8.518
	SD	0.010	0.077	0.1222	0.109	0.230	0.949
	N	20	20	20	20	20	20
B3M	Mean	0.057	2.040	1.2741	1.031 ^A	2.099	8.288
	SD	0.010	0.116	0.1000	0.093	0.222	1.049
	N	20	20	20	20	20	20
B6M	Mean	0.053	2.003	1.2335	0.959 ^A	1.959 ^A	7.419 ^A
	SD	0.007	0.074	0.1156	0.080	0.160	0.880
	N	20	20	20	20	20	20
E0.3M	Mean	0.057	2.023	1.2747	1.077	2.101	8.347
	SD	0.009	0.077	0.1376	0.108	0.118	0.830
	N	20	20	20	20	20	20
E3M	Mean	0.055	2.057	1.3062	1.028 ^A	2.130	8.292
	SD	0.008	0.073	0.1445	0.080	0.235	1.234
	N	20	20	20	20	20	20
E6M	Mean	0.055	2.023	1.2085	0.978 ^A	2.055	7.861 ^A
	SD	0.010	0.074	0.1135	0.110	0.196	0.882
	N	20	20	20	20	20	20

Table 27. Group Mean Absolute Organ Weights (g) - Males

Group		Lungs	Pituitary Gland	Prostate	Salivary Gland	Seminal Vesicles	Spleen
CM	Mean	3.128	0.013	1.139	0.634	1.275	0.588
	SD	0.653	0.002	0.122	0.055	0.178	0.062
	N	20	20	20	20	20	20
NT6M	Mean	2.870	0.012	0.981 ^A	0.646	1.092 ^A	0.554
	SD	0.558	0.002	0.156	0.050	0.167	0.095
	N	20	20	20	20	20	20
B0.3M	Mean	3.108	0.011	1.224	0.644	1.135	0.639
	SD	0.653	0.002	0.153	0.088	0.205	0.108
	N	20	20	20	20	20	20
B3M	Mean	2.969	0.013	1.135	0.673	1.182	0.608
	SD	0.692	0.002	0.205	0.080	0.215	0.069
	N	20	20	20	20	20	20
B6M	Mean	2.918	0.013	1.038	0.661	1.079 ^A	0.555
	SD	0.561	0.002	0.182	0.088	0.231	0.069
	N	20	20	20	20	19	20
E0.3M	Mean	3.018	0.012	1.163	0.656	1.200	0.622
	SD	0.576	0.002	0.139	0.087	0.152	0.081
	N	20	20	20	20	20	20
E3M	Mean	3.066	0.012	1.203	0.668	1.263	0.628
	SD	0.612	0.002	0.188	0.080	0.244	0.069
	N	20	20	20	20	20	20
E6M	Mean	2.990	0.010 ^{A,C}	1.032	0.647	1.088 ^A	0.562
	SD	0.492	0.003	0.183	0.050	0.149	0.057
	N	20	20	20	20	20	20

Table 27. Group Mean Absolute Organ Weights (g) - Males

Group		Testes	Thymus	Thyroid Glands
CM	Mean	3.605	0.394	0.031
	SD	0.389	0.061	0.005
	N	20	20	20
NT6M	Mean	3.661	0.330 ^A	0.031
	SD	0.296	0.057	0.005
	N	20	20	20
B0.3M	Mean	3.695	0.406	0.030
	SD	0.249	0.058	0.005
	N	20	20	20
B3M	Mean	3.771	0.344	0.033
	SD	0.233	0.075	0.005
	N	20	20	20
B6M	Mean	3.692	0.351	0.027
	SD	0.261	0.068	0.006
	N	20	20	20
E0.3M	Mean	3.657	0.403	0.030
	SD	0.306	0.077	0.007
	N	20	20	20
E3M	Mean	3.746	0.381	0.032
	SD	0.245	0.073	0.006
	N	20	20	20
E6M	Mean	3.517	0.350	0.026 ^{A,B}
	SD	0.718	0.078	0.006
	N	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t test. A = CM vs. NT6M, B0.3M, B3M, B6M, E0.3M, E3M, E6M. B = NT6M vs. B6M, E6M. C = Corresponding blend vs. extract dose groups (B0.3M vs. E0.3M, B3M vs. E3M, B6M vs. E6M).

Table 28. Group Mean Absolute Organ Weights (g) – Females

Group		Adrenal	Brain	Heart	Kidneys	Liver	Lungs
		Glands					
CF	Mean	0.064	1.884	0.734	1.372	5.321	2.129
	SD	0.010	0.074	0.057	0.122	0.396	0.356
	N	20	20	20	20	20	20
NT6F	Mean	0.056 ^A	1.844	0.656 ^A	1.210 ^A	4.871 ^A	2.044
	SD	0.007	0.089	0.063	0.111	0.511	0.408
	N	20	20	20	20	20	20
B0.3F	Mean	0.065	1.857	0.734	1.381	5.396	2.217
	SD	0.009	0.094	0.055	0.124	0.332	0.326
	N	20	20	20	20	20	20
B3F	Mean	0.064	1.869	0.700	1.306	5.107	2.285
	SD	0.009	0.087	0.059	0.119	0.406	0.361
	N	19	19	19	19	19	19
B6F	Mean	0.054 ^A	1.839	0.633 ^A	1.233 ^A	4.946	1.915
	SD	0.008	0.095	0.060	0.131	0.513	0.360
	N	20	20	20	20	20	20
E0.3F	Mean	0.065	1.871	0.706	1.340	5.261	2.192
	SD	0.008	0.078	0.050	0.106	0.416	0.403
	N	20	20	20	20	20	20
E3F	Mean	0.065	1.914	0.721	1.366	5.368	2.362
	SD	0.012	0.069	0.050	0.097	0.641	0.505
	N	20	20	20	20	20	20
E6F	Mean	0.055 ^A	1.837	0.624 ^A	1.212 ^A	4.932 ^A	1.889
	SD	0.007	0.078	0.043	0.090	0.426	0.327
	N	20	20	20	20	20	20

Table 28. Group Mean Absolute Organ Weights (g) - Females

Group		Ovaries	Pituitary Gland	Salivary Gland	Spleen	Thymus	Thyroid Glands
CF	Mean	0.094	0.017	0.443	0.444	0.315	0.026
	SD	0.015	0.002	0.044	0.052	0.049	0.005
	N	20	20	20	20	20	20
NT6F	Mean	0.089	0.015 ^A	0.442	0.417	0.280	0.024
	SD	0.012	0.002	0.043	0.055	0.063	0.005
	N	20	20	20	20	20	20
B0.3F	Mean	0.103	0.017	0.457	0.457	0.328	0.027
	SD	0.018	0.002	0.036	0.067	0.035	0.005
	N	20	20	20	20	20	20
B3F	Mean	0.094	0.017	0.456	0.428	0.291	0.025
	SD	0.014	0.002	0.044	0.049	0.057	0.004
	N	19	19	19	19	19	19
B6F	Mean	0.085	0.015 ^A	0.444	0.416	0.277	0.025
	SD	0.016	0.002	0.057	0.046	0.060	0.005
	N	20	20	20	20	20	20
E0.3F	Mean	0.096	0.017	0.445	0.444	0.326	0.027
	SD	0.016	0.002	0.045	0.044	0.073	0.004
	N	20	20	20	20	20	20
E3F	Mean	0.095	0.017	0.455	0.438	0.279	0.027
	SD	0.019	0.003	0.043	0.071	0.061	0.004
	N	20	20	20	20	20	20
E6F	Mean	0.082 ^b	0.015 ^A	0.448	0.399 ^A	0.281	0.025
	SD	0.009	0.002	0.043	0.039	0.052	0.005
	N	20	20	20	20	20	20

Table 28. Group Mean Absolute Organ Weights (g) - Females

Group	Uterus	
CF	Mean	0.807
	SD	0.498
	N	20
NT6F	Mean	0.651
	SD	0.292
	N	20
B0.3F	Mean	0.531 ^a
	SD	0.125
	N	20
B3F	Mean	0.701
	SD	0.312
	N	19
B6F	Mean	0.828
	SD	0.468
	N	20
E0.3F	Mean	0.660
	SD	0.277
	N	20
E3F	Mean	0.862
	SD	0.419
	N	20
E6F	Mean	0.772
	SD	0.365
	N	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t test.

A = CF vs. NT6F, B0.3F, B3F, B6F, E0.3F, E3F, E6F.

B = NT6F vs. B6F, E6F.

C = Corresponding blend vs. extract dose groups (B0.3F vs. E0.3F, B3F vs. E3F, B6F vs. E6F).

Table 29. Group Mean Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Terminal Body Weight		Adrenal Glands	Brain	Epididymides	Heart	Kidneys
		Mean					
CM	Mean	379.7	0.014	0.533	0.3337	0.297	0.572
	SD	23.1	0.002	0.035	0.0278	0.040	0.046
	N	20	20	20	20	20	20
NT6M	Mean	329.2 ^a	0.018 ^A	0.614 ^a	0.3727 ^A	0.290	0.592
	SD	27.5	0.002	0.055	0.0414	0.025	0.040
	N	20	20	20	20	20	20
B0.3M	Mean	382.0	0.014	0.540	0.3390	0.282	0.544
	SD	31.3	0.002	0.035	0.0406	0.021	0.039
	N	20	20	20	20	20	20
B3M	Mean	353.6 ^a	0.016	0.579 ^a	0.3621	0.292	0.594
	SD	30.2	0.002	0.039	0.0338	0.017	0.040
	N	20	20	20	20	20	20
B6M	Mean	325.7 ^a	0.016	0.619 ^a	0.3806 ^A	0.295	0.604
	SD	28.8	0.002	0.046	0.0408	0.024	0.049
	N	20	20	20	20	20	20
E0.3M	Mean	370.2	0.015	0.549	0.3467	0.291	0.570
	SD	30.4	0.002	0.039	0.0493	0.020	0.042
	N	20	20	20	20	20	20
E3M	Mean	365.3	0.015	0.566 ^a	0.3585	0.282	0.583
	SD	33.3	0.002	0.043	0.0332	0.018	0.041
	N	20	20	20	20	20	20
E6M	Mean	344.8 ^{a,b,c}	0.016	0.587 ^{a,c}	0.3510 ^C	0.284	0.596
	SD	12.6	0.003	0.022	0.0361	0.029	0.055
	N	20	20	20	20	20	20

Table 29. Group Mean Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Terminal Body Weight		Liver	Lungs	Pituitary Gland	Prostate	Salivary Gland
	Mean	SD					
CM	Mean	379.7	2.288	0.823	0.003	0.301	0.167
	SD	23.1	0.145	0.164	0.001	0.032	0.015
	N	20	20	20	20	20	20
NT6M	Mean	329.2 ^a	2.245	0.875	0.004	0.298	0.197 ^A
	SD	27.5	0.201	0.171	0.001	0.037	0.019
	N	20	20	20	20	20	20
B0.3M	Mean	382.0	2.229	0.814	0.003 ^a	0.322	0.169
	SD	31.3	0.159	0.159	0.001	0.043	0.020
	N	20	20	20	20	20	20
B3M	Mean	353.6 ^a	2.342	0.841	0.004	0.320	0.191 ^A
	SD	30.2	0.188	0.181	0.000	0.049	0.018
	N	20	20	20	20	20	20
B6	Mean	325.7 ^a	2.276	0.902	0.004 ^a	0.320	0.204 ^A
	SD	28.8	0.149	0.190	0.001	0.058	0.025
	N	20	20	20	20	20	20
E0.3M	Mean	370.2	2.259	0.814	0.003	0.315	0.177
	SD	30.4	0.188	0.131	0.000	0.038	0.018
	N	20	20	20	20	20	20
E3M	Mean	365.3	2.263	0.843	0.003	0.330	0.183 ^A
	SD	33.3	0.186	0.166	0.000	0.050	0.017
	N	20	20	20	20	20	20
E6M	Mean	344.8 ^{a,b,c}	2.279	0.868	0.003 ^{B,C}	0.300	0.188 ^{A,c}
	SD	12.6	0.237	0.145	0.001	0.055	0.012
	N	20	20	20	20	20	20

Table 29. Group Mean Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Terminal Body Weight		Seminal Vesicles	Spleen	Testes	Thymus	Thyroid Glands
	Mean	SD					
CM	Mean	379.7	0.336	0.155	0.951	0.104	0.008
	SD	23.1	0.046	0.017	0.105	0.015	0.001
	N	20	20	20	20	20	20
NT6M	Mean	329.2 ^a	0.334	0.168	1.119 ^a	0.100	0.009
	SD	27.5	0.059	0.022	0.130	0.015	0.002
	N	20	20	20	20	20	20
B0.3M	Mean	382.0	0.299	0.168	0.972	0.107	0.008
	SD	31.3	0.058	0.032	0.085	0.015	0.002
	N	20	20	20	20	20	20
B3M	Mean	353.6 ^a	0.335	0.172 ^a	1.072 ^a	0.098	0.009
	SD	30.2	0.058	0.014	0.085	0.025	0.001
	N	20	20	20	20	20	20
B6M	Mean	325.7 ^a	0.334	0.171 ^a	1.141 ^a	0.108	0.008
	SD	28.8	0.076	0.021	0.121	0.018	0.002
	N	20	19	20	20	20	20
E0.3M	Mean	370.2	0.326	0.168 ^a	0.991	0.109	0.008
	SD	30.4	0.046	0.018	0.078	0.019	0.002
	N	20	20	20	20	20	20
E3M	Mean	365.3	0.346	0.172 ^a	1.030 ^a	0.104	0.009
	SD	33.3	0.061	0.013	0.079	0.017	0.002
	N	20	20	20	20	20	20
E6M	Mean	344.8 ^{a,b,c}	0.316	0.163	1.023 ^c	0.101	0.007 ^B
	SD	12.6	0.048	0.017	0.215	0.021	0.002
	N	20	20	20	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t test.

A = CM vs. NT6M, B0.3M, B3M, B6M, E0.3M, E3M, E6M.

B = NT6M vs. B6M, E6M.

C = Corresponding blend vs. extract dose groups (B0.3M vs. E0.3M, B3M vs. E3M, B6M vs. E6M).

Table 30. Group Mean Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Terminal Body Weight		Adrenal Glands	Brain	Heart	Kidneys	Liver
	Mean	SD					
CF	Mean	214.1	0.030	0.883	0.344	0.642	2.490
	SD	15.7	0.005	0.054	0.029	0.052	0.154
	N	20	20	20	20	20	20
NT6F	Mean	190.5 ^A	0.029	0.971 ^A	0.345	0.636	2.554
	SD	12.2	0.004	0.064	0.028	0.049	0.184
	N	20	20	20	20	20	20
B0.3F	Mean	212.3	0.031	0.877	0.346	0.651	2.544
	SD	11.5	0.004	0.057	0.021	0.049	0.129
	N	20	20	20	20	20	20
B3F	Mean	196.9 ^A	0.033	0.954 ^A	0.356	0.664	2.597
	SD	14.7	0.005	0.076	0.026	0.041	0.137
	N	19	19	19	19	19	19
B6F	Mean	187.1 ^A	0.029	0.988 ^A	0.339	0.659	2.646 ^A
	SD	17.2	0.004	0.078	0.024	0.034	0.177
	N	20	20	20	20	20	20
E0.3F	Mean	212.3	0.030	0.883	0.333	0.632	2.480
	SD	14.0	0.004	0.046	0.024	0.043	0.165
	N	20	20	20	20	20	20
E3F	Mean	204.9	0.032	0.938 ^A	0.353	0.668	2.617
	SD	13.6	0.006	0.062	0.028	0.039	0.219
	N	20	20	20	20	20	20
E6F	Mean	188.6 ^A	0.029	0.976 ^A	0.331	0.642	2.614
	SD	9.0	0.004	0.057	0.021	0.040	0.181
	N	20	20	20	20	20	20

Table 30. Group Mean Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios - Females

Group	Terminal Body Weight		Lungs	Ovaries	Pituitary Gland	Salivary Gland	Spleen
	Mean	SD					
CF	Mean	214.1	1.000	0.044	0.008	0.208	0.208
	SD	15.7	0.185	0.005	0.001	0.021	0.025
	N	20	20	20	20	20	20
NT6F	Mean	190.5 ^A	1.070	0.047	0.008	0.232 ^A	0.219
	SD	12.2	0.189	0.007	0.001	0.024	0.023
	N	20	20	20	20	20	20
B0.3F	Mean	212.3	1.045	0.049	0.008	0.216	0.215
	SD	11.5	0.141	0.009	0.001	0.015	0.030
	N	20	20	20	20	20	20
B3F	Mean	196.9 ^A	1.161 ^A	0.048	0.009	0.232 ^A	0.217
	SD	14.7	0.169	0.007	0.001	0.018	0.020
	N	19	19	19	19	19	19
B6F	Mean	187.1 ^A	1.023	0.045	0.008	0.238 ^A	0.223
	SD	17.2	0.167	0.008	0.001	0.028	0.022
	N	20	20	20	20	20	20
E0.3F	Mean	212.3	1.033	0.046	0.008	0.210	0.210
	SD	14.0	0.177	0.008	0.001	0.020	0.021
	N	20	20	20	20	20	20
E3F	Mean	204.9	1.153 ^A	0.046	0.008	0.222	0.213
	SD	13.6	0.228	0.009	0.001	0.016	0.027
	N	20	20	20	20	20	20
E6F	Mean	188.6 ^A	1.002	0.043	0.008	0.238 ^A	0.212
	SD	9.0	0.171	0.004	0.001	0.022	0.023
	N	20	20	20	20	20	20

Table 30. Group Mean Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios - Females

Group	Terminal Body Weight		Thymus	Thyroid Glands	Uterus
	Mean	SD			
CF	Mean	214.1	0.148	0.012	0.384
	SD	15.7	0.024	0.003	0.251
	N	20	20	20	20
NT6F	Mean	190.5 ^A	0.147	0.012	0.342
	SD	12.2	0.031	0.003	0.151
	N	20	20	20	20
B0.3F	Mean	212.3	0.154	0.013	0.252 ^a
	SD	11.5	0.015	0.002	0.065
	N	20	20	20	20
B3F	Mean	196.9 ^A	0.148	0.013	0.356
	SD	14.7	0.025	0.003	0.155
	N	19	19	19	19
B6F	Mean	187.1 ^A	0.147	0.014	0.445
	SD	17.2	0.024	0.002	0.244
	N	20	20	20	20
E0.3F	Mean	212.3	0.153	0.013	0.311
	SD	14.0	0.032	0.002	0.131
	N	20	20	20	20
E3F	Mean	204.9	0.136	0.013	0.415
	SD	13.6	0.025	0.002	0.185
	N	20	20	20	20
E6F	Mean	188.6 ^A	0.149	0.014	0.413
	SD	9.0	0.024	0.003	0.206
	N	20	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t test.

A = CF vs. NT6F, B0.3F, B3F, B6F, E0.3F, E3F, E6F.

B = NT6F vs. B6F, E6F.

C = Corresponding blend vs. extract dose groups (B0.3F vs. E0.3F, B3F vs. E3F, B6F vs. E6F).

Table 31. Group Mean Absolute Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group		Absolute	Adrenal	Epididymides	Heart	Kidneys	Liver
		Brain Weight	Glands				
CM	Mean	2.018	2.71	62.747	55.91	107.85	431.62
	SD	0.103	0.36	4.890	7.61	12.38	43.75
	N	20	20	20	20	20	20
NT6M	Mean	2.007	2.87	60.801	47.52 ^a	97.12 ^A	369.09 ^A
	SD	0.072	0.28	4.900	4.35	9.80	52.60
	N	20	20	20	20	20	20
B0.3M	Mean	2.052	2.64	62.861	52.32	101.24	414.76
	SD	0.077	0.46	6.406	4.42	9.48	40.77
	N	20	20	20	20	20	20
B3M	Mean	2.040	2.81	62.527	50.59 ^a	102.88	406.11
	SD	0.116	0.45	4.425	4.17	8.81	44.27
	N	20	20	20	20	20	20
B6M	Mean	2.003	2.63	61.648	47.89 ^a	97.80 ^A	370.10 ^A
	SD	0.074	0.36	6.236	4.12	7.61	40.21
	N	20	20	20	20	20	20
E0.3M	Mean	2.023	2.80	63.086	53.19	103.89	412.14
	SD	0.077	0.40	7.254	4.78	5.48	33.30
	N	20	20	20	20	20	20
E3M	Mean	2.057	2.66	63.536	50.02 ^a	103.41	402.55
	SD	0.073	0.35	6.882	3.81	9.23	53.02
	N	20	20	20	20	20	20
E6M	Mean	2.023	2.73	59.782	48.37 ^a	101.57	388.89 ^A
	SD	0.074	0.44	5.783	5.32	9.05	44.40
	N	20	20	20	20	20	20

Table 31. Group Mean Absolute Brain Weights (g) and Percent Organ-to-Brain Weight Ratios - Males

Group	Absolute Brain Weight		Lungs	Pituitary Gland	Prostate	Salivary Gland	Seminal Vesicles
	Mean	SD					
CM	Mean	2.018	155.33	0.63	56.60	31.48	63.27
	SD	0.103	33.14	0.10	6.51	2.66	8.98
	N	20	20	20	20	20	20
NT6M	Mean	2.007	142.93	0.60	48.92 ^A	32.19	54.48 ^A
	SD	0.072	27.08	0.10	7.74	2.37	8.42
	N	20	20	20	20	20	20
B0.3M	Mean	2.052	151.15	0.56	59.68	31.32	55.28
	SD	0.077	29.56	0.10	7.47	3.68	9.80
	N	20	20	20	20	20	20
B3M	Mean	2.040	145.56	0.62	55.55	33.01	58.03
	SD	0.116	32.36	0.09	9.26	3.46	10.37
	N	20	20	20	20	20	20
B6M	Mean	2.003	145.83	0.62	51.88	33.02	54.02 ^A
	SD	0.074	28.54	0.12	9.23	4.51	11.74
	N	20	20	20	20	20	19
E0.3M	Mean	2.023	148.95	0.59	57.55	32.41	59.41
	SD	0.077	27.48	0.08	7.16	4.09	8.26
	N	20	20	20	20	20	20
E3M	Mean	2.057	148.89	0.59	58.45	32.45	61.39
	SD	0.073	27.91	0.09	8.65	3.30	11.53
	N	20	20	20	20	20	20
E6M	Mean	2.023	147.75	0.52 ^{A,B,C}	50.95	31.98	53.87 ^A
	SD	0.074	23.62	0.12	8.73	1.90	7.92
	N	20	20	20	20	20	20

Table 31. Group Mean Absolute Brain Weights (g) and Percent Organ-to-Brain Weight Ratios - Males

Group		Absolute	Spleen	Testes	Thymus	Thyroid Glands
		Brain Weight				
CM	Mean	2.018	29.21	178.92	19.54	1.56
	SD	0.103	3.21	19.08	2.81	0.28
	N	20	20	20	20	20
NT6M	Mean	2.007	27.68	182.79	16.43 ^A	1.53
	SD	0.072	4.94	18.00	2.88	0.27
	N	20	20	20	20	20
B0.3M	Mean	2.052	31.10	180.14	19.82	1.45
	SD	0.077	4.87	11.59	2.91	0.27
	N	20	20	20	20	20
B3M	Mean	2.040	29.85	185.07	16.95	1.59
	SD	0.116	3.31	9.96	4.05	0.23
	N	20	20	20	20	20
B6M	Mean	2.003	27.69	184.57	17.54	1.34
	SD	0.074	3.35	15.29	3.35	0.28
	N	20	20	20	20	20
E0.3M	Mean	2.023	30.71	180.86	19.92	1.50
	SD	0.077	3.57	15.37	3.55	0.39
	N	20	20	20	20	20
E3M	Mean	2.057	30.53	182.21	18.50	1.58
	SD	0.073	3.08	11.71	3.49	0.30
	N	20	20	20	20	20
E6M	Mean	2.023	27.80	173.85	17.32	1.28 ^{A,B}
	SD	0.074	3.05	35.34	3.79	0.31
	N	20	20	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t test.

A = CM vs. NT6M, B0.3M, B3M, B6M, E0.3M, E3M, E6M.

B = NT6M vs. B6M, E6M.

C = Corresponding blend vs. extract dose groups (B0.3M vs. E0.3M, B3M vs. E3M, B6M vs. E6M).

Table 32. Group Mean Absolute Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group		Absolute	Adrenal	Heart	Kidneys	Liver	Lungs
		Brain	Glands				
		Weight					
CF	Mean	1.884	3.38	38.94	72.75	282.24	112.88
	SD	0.074	0.47	2.76	4.88	15.05	17.56
	N	20	20	20	20	20	20
NT6F	Mean	1.844	3.02	35.56 ^A	65.66 ^A	264.42 ^a	110.73
	SD	0.089	0.37	2.79	5.55	28.22	20.82
	N	20	20	20	20	20	20
B0.3F	Mean	1.857	3.49	39.60	74.31	291.12	119.75
	SD	0.094	0.51	2.82	4.73	19.77	18.66
	N	20	20	20	20	20	20
B3F	Mean	1.869	3.42	37.52	70.01	273.77	122.26
	SD	0.087	0.46	3.71	6.89	24.57	18.83
	N	19	19	19	19	19	19
B6F	Mean	1.839	2.95 ^A	34.46 ^A	67.03 ^A	269.21	104.23
	SD	0.095	0.47	3.44	5.97	26.90	19.67
	N	20	20	20	20	20	20
E0.3F	Mean	1.871	3.45	37.80	71.60	281.44	117.18
	SD	0.078	0.40	3.17	4.77	22.73	20.89
	N	20	20	20	20	20	20
E3F	Mean	1.914	3.41	37.68	71.47	280.80	123.11
	SD	0.069	0.62	2.54	5.48	34.97	24.12
	N	20	20	20	20	20	20
E6F	Mean	1.837	2.98 ^A	33.98 ^A	65.98 ^A	268.75 ^a	102.68
	SD	0.078	0.36	2.47	4.45	24.15	16.28
	N	20	20	20	20	20	20

Table 32. Group Mean Absolute Brain Weights (g) and Percent Organ-to-Brain Weight Ratios - Females

Group	Absolute Brain Weight		Ovaries	Pituitary Gland	Salivary Gland	Spleen	Thymus
	Mean	SD					
CF	Mean	1.884	5.00	0.90	23.52	23.60	16.75
	SD	0.074	0.74	0.10	2.09	2.78	2.63
	N	20	20	20	20	20	20
NT6F	Mean	1.844	4.84	0.82	23.99	22.68	15.25
	SD	0.089	0.73	0.10	2.47	3.21	3.83
	N	20	20	20	20	20	20
B0.3F	Mean	1.857	5.55	0.90	24.65	24.69	17.70
	SD	0.094	0.92	0.09	1.58	3.96	2.26
	N	20	20	20	20	20	20
B3F	Mean	1.869	5.03	0.92	24.39	22.87	15.60
	SD	0.087	0.69	0.11	2.23	2.23	3.13
	N	19	19	19	19	19	19
B6F	Mean	1.839	4.61	0.81	24.17	22.67	15.04
	SD	0.095	0.83	0.13	3.27	2.60	3.14
	N	20	20	20	20	20	20
E0.3F	Mean	1.871	5.17	0.93	23.81	23.78	17.40
	SD	0.078	0.93	0.10	2.50	2.38	3.81
	N	20	20	20	20	20	20
E3F	Mean	1.914	4.96	0.89	23.80	22.90	14.59
	SD	0.069	0.98	0.16	2.44	3.76	3.17
	N	20	20	20	20	20	20
E6F	Mean	1.837	4.45	0.82	24.43	21.75	15.34
	SD	0.078	0.55	0.10	2.37	2.25	2.98
	N	20	20	20	20	20	20

Table 32. Group Mean Absolute Brain Weights (g) and Percent Organ-to-Brain Weight Ratios - Females

Group	Absolute Brain Weight		Thyroid Glands	Uterus
	Mean	SD		
CF	Mean	1.884	1.40	42.84
	SD	0.074	0.29	25.96
	N	20	20	20
NT6F	Mean	1.844	1.28	35.46
	SD	0.089	0.30	16.05
	N	20	20	20
B0.3F	Mean	1.857	1.44	28.61 ^a
	SD	0.094	0.30	6.64
	N	20	20	20
B3F	Mean	1.869	1.35	37.71
	SD	0.087	0.26	17.49
	N	19	19	19
B6F	Mean	1.839	1.39	44.76
	SD	0.095	0.23	24.36
	N	20	20	20
E0.3F	Mean	1.871	1.45	35.21
	SD	0.078	0.22	14.58
	N	20	20	20
E3F	Mean	1.914	1.39	45.24
	SD	0.069	0.18	22.81
	N	20	20	20
E6F	Mean	1.837	1.39	42.13
	SD	0.078	0.26	19.85
	N	20	20	20

Multiple comparisons were made according to the letters listed below. Capital letters indicate the comparison was significantly different at $p \leq 0.05$ with Dunnett's test of significance; lower case letters indicate comparisons were significantly different at $p \leq 0.05$ with Modified t test.

A = CF vs. NT6F, B0.3F, B3F, B6F, E0.3F, E3F, E6F.

B = NT6F vs. B6F, E6F.

C = Corresponding blend vs. extract dose groups (B0.3F vs. E0.3F, B3F vs. E3F, B6F vs. E6F).

Table 33. Incidence Summary of all Microscopic Observations – Males**Group Legend: 1=CM; 2=NT6M; 3=B0.3M; 4=B3M; 5=B6M; 6=E0.3M; 7=E3M; 8=E6M**

Tissue/Observation	Group:	Number Observed Per Group							
		1	2	3	4	5	6	7	8
Jejunum	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Kidney	Number Examined:	20	20	0	0	20	0	0	20
Cyst(s), Tubular		0	0	-	-	0	-	-	1
Hydronephrosis		1	3	-	-	0	-	-	3
Inflammation		0	0	-	-	1	-	-	0
Nephropathy		0	0	-	-	0	-	-	2
Liver	Number Examined:	20	20	0	0	20	0	0	20
Focus, Clear Cell		0	0	-	-	0	-	-	0
Inflammation		2	0	-	-	1	-	-	0
Lung	Number Examined:	20	20	0	0	20	0	0	20
Alveolar Macrophages, Increased		6	2	-	-	5	-	-	3
Eosinophilic Crystals		0	0	-	-	0	-	-	1
Infiltrate, Perivascular, Mixed Cell		5	1	-	-	2	-	-	2
Inflammation		4	4	-	-	2	-	-	9
Metaplasia, Osseous		1	1	-	-	2	-	-	0
Mineralization		2	0	-	-	0	-	-	0
Lymph Node, Mesenteric	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Mammary Gland	Number Examined:	0	1	0	0	0	0	0	0
No Remarkable Observations									
Nose/Turbinates	Number Examined:	20	20	0	0	20	0	0	20
Inflammation		0	0	-	-	0	-	-	0
Oral Cavity	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Pancreas	Number Examined:	20	20	0	0	20	0	0	20
Atrophy, Acinar		0	0	-	-	0	-	-	1

Table 33. Incidence Summary of all Microscopic Observations – Males**Group Legend: 1=CM; 2=NT6M; 3=B0.3M; 4=B3M; 5=B6M; 6=E0.3M; 7=E3M; 8=E6M**

Tissue/Observation	Group:	Number Observed Per Group							
		1	2	3	4	5	6	7	8
Parathyroid	Number Examined:	14	16	0	0	20	0	0	13
No Remarkable Observations									
Pharynx	Number Examined:	19	20	0	0	20	0	0	20
Inflammation		0	0	-	-	0	-	-	0
Pituitary Gland	Number Examined:	20	19	0	0	20	0	0	20
Hyperplasia, Pars Distalis		0	0	-	-	0	-	-	1
Preputial Gland	Number Examined:	17	18	0	0	19	0	0	18
Inflammation		0	2	-	-	2	-	-	1
Prostate	Number Examined:	20	20	0	0	20	0	0	20
Inflammation		1	4	-	-	6	-	-	2
Rectum	Number Examined:	20	20	0	0	20	0	0	20
Inflammation		0	0	-	-	0	-	-	0
Lymphoid Hyperplasia, Peyers Patch		0	0	-	-	1	-	-	0
Salivary Gland	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Sciatic Nerve	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Seminal Vesicle	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Skeletal Muscle	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Skin	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Spinal Cord	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Spleen	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									

Table 33. Incidence Summary of all Microscopic Observations – Males**Group Legend: 1=CM; 2=NT6M; 3=B0.3M; 4=B3M; 5=B6M; 6=E0.3M; 7=E3M; 8=E6M**

Tissue/Observation	Group:	Number Observed Per Group							
		1	2	3	4	5	6	7	8
Sternum	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Stomach	Number Examined:	20	20	0	0	20	0	0	20
Inflammation, Glandular Region		0	2	-	-	1	-	-	1
Inflammation, Non-Glandular		0	0	-	-	0	-	-	1
Testis	Number Examined:	20	20	0	0	20	0	0	20
Atrophy		0	0	-	-	0	-	-	1
Thymus	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Thyroid Gland	Number Examined:	20	20	0	0	20	0	0	20
Cyst(s)		0	2	-	-	0	-	-	0
Tongue	Number Examined:	20	20	0	0	20	0	0	20
Myodegeneration		0	0	-	-	0	-	-	0
Urinary Bladder	Number Examined:	20	20	0	0	20	0	0	20
Amyloid Deposition, Submucosa		0	1	-	-	0	-	-	0
Zymbal's Gland	Number Examined:	20	20	0	0	19	0	0	19
No Remarkable Observations									

Table 34. Incidence Summary of all Microscopic Observations – Females**Group Legend: 1=CF; 2=NT6F; 3=B0.3F; 4=B3F; 5=B6F; 6=E0.3F; 7=E3F; 8=E6F**

Tissue/Observation	Group:	Number Observed Per Group							
		1	2	3	4	5	6	7	8
Jejunum	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Kidney	Number Examined:	20	20	0	0	20	0	0	20
Cyst(s), Tubular		0	0	-	-	1	-	-	0
Hydronephrosis		1	1	-	-	1	-	-	0
Inflammation		0	0	-	-	0	-	-	0
Nephropathy		1	2	-	-	2	-	-	2
Liver	Number Examined:	20	20	0	0	20	0	0	20
Focus, Clear Cell		0	1	-	-	0	-	-	0
Inflammation		0	0	-	-	1	-	-	0
Lung	Number Examined:	20	20	0	0	20	0	0	20
Alveolar Macrophages, Increased		3	3	-	-	2	-	-	1
Eosinophilic Crystals		0	0	-	-	0	-	-	1
Infiltrate, Perivascular, Mixed Cell		1	1	-	-	3	-	-	3
Inflammation		2	1	-	-	2	-	-	7
Metaplasia, Osseous		0	0	-	-	0	-	-	0
Mineralization		0	0	-	-	0	-	-	0
Lymph Node, Mesenteric	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Mammary Gland	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Nose/Turbinates	Number Examined:	20	20	0	0	20	0	0	20
Inflammation		0	0	-	-	1	-	-	0
Oral Cavity	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Ovary	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									

Table 34. Incidence Summary of all Microscopic Observations – Females**Group Legend: 1=CF; 2=NT6F; 3=B0.3F; 4=B3F; 5=B6F; 6=E0.3F; 7=E3F; 8=E6F**

Tissue/Observation	Group:	Number Observed Per Group							
		1	2	3	4	5	6	7	8
Pancreas	Number Examined:	20	20	0	0	20	0	0	20
Atrophy, Acinar		0	0	-	-	0	-	-	0
Parathyroid	Number Examined:	19	15	0	0	17	0	0	19
No Remarkable Observations									
Pharynx	Number Examined:	20	20	0	0	19	0	0	20
Inflammation		0	0	-	-	0	-	-	1
Pituitary Gland	Number Examined:	20	20	0	0	20	0	0	20
Hyperplasia, Pars Distalis		0	2	-	-	0	-	-	0
Rectum	Number Examined:	20	20	0	0	20	0	0	20
Inflammation		0	0	-	-	0	-	-	1
Lymphoid Hyperplasia, Peyer's Patch		0	0	-	-	0	-	-	0
Salivary Gland	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Sciatic Nerve	Number Examined:	20	20	0	0	20	0	0	19
No Remarkable Observations									
Skeletal Muscle	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Skin	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Spinal Cord	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Spleen	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Sternum	Number Examined:	20	19	0	0	20	0	0	20
No Remarkable Observations									
Stomach	Number Examined:	20	20	0	0	20	0	0	20
Inflammation, Glandular Region		0	0	-	-	0	-	-	0
Inflammation, Non-Glandular		0	0	-	-	0	-	-	0

Table 34. Incidence Summary of all Microscopic Observations – Females**Group Legend: 1=CF; 2=NT6F; 3=B0.3F; 4=B3F; 5=B6F; 6=E0.3F; 7=E3F; 8=E6F**

Tissue/Observation	Group:	Number Observed Per Group							
		1	2	3	4	5	6	7	8
Thymus	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Thyroid Gland	Number Examined:	20	20	0	0	20	0	0	20
Cyst(s)		0	0	-	-	0	-	-	1
Tongue	Number Examined:	20	20	0	0	20	0	0	20
Myodegeneration		0	1	-	-	0	-	-	0
Urinary Bladder	Number Examined:	20	20	0	0	19	0	0	20
Amyloid Deposition, Submucosa		0	0	-	-	0	-	-	0
Uterus	Number Examined:	20	20	0	0	20	0	0	20
Inflammation		0	0	-	-	1	-	-	1
Physiologic Dilatation, Horn(s)		10	8	-	-	7	-	-	9
Vagina	Number Examined:	20	20	0	0	19	0	0	20
No Remarkable Observations									
Zymbal's Gland	Number Examined:	19	20	0	0	20	0	0	20
No Remarkable Observations									

Table 35. Incidence Summary of Microscopic Nonneoplastic Graded Observations with Average Severity – Males**Group Legend: 1=CM; 2=NT6M; 3=B0.3M; 4=B3M; 5=B6M; 6=E0.3M; 7=E3M; 8=E6M**

Tissue/Observation	Group:	Number Observed Per Group							
		1	2	3	4	5	6	7	8
Adrenal Gland	Number Examined:	20	20	0	0	20	0	0	20
Cytoplasmic Vacuolization, Cortex		0	0	-	-	1	-	-	1
	Average Severity:	0.0	0.0	-	-	0.1	-	-	0.1
Hypertrophy, Cortex		0	0	-	-	0	-	-	0
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.0
Bone Marrow	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
Brain	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
Cecum	Number Examined:	20	20	0	0	20	0	0	20
Inflammation		0	3	-	-	0	-	-	0
	Average Severity:	0.0	0.2	-	-	0.0	-	-	0.0
Colon	Number Examined:	20	20	0	0	20	0	0	20
Hyperplasia, Peyers Patch		0	0	-	-	0	-	-	1
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.2
Duodenum	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
Epididymis	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
Esophagus	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
Eye	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
Femur	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
Harderian Gland	Number Examined:	20	20	0	0	20	0	0	20
Inflammation		1	0	-	-	0	-	-	2
	Average Severity:	0.1	0.0	-	-	0.0	-	-	0.1

Table 35. Incidence Summary of Microscopic Nonneoplastic Graded Observations with Average Severity – Males**Group Legend: 1=CM; 2=NT6M; 3=B0.3M; 4=B3M; 5=B6M; 6=E0.3M; 7=E3M; 8=E6M**

Tissue/Observation	Group:	Number Observed Per Group							
		1	2	3	4	5	6	7	8
Heart	Number Examined:	20	20	0	0	20	0	0	20
Cardiomyopathy		2	3	-	-	3	-	-	2
	Average Severity:	0.1	0.2	-	-	0.2	-	-	0.1
Fibrosis, Endocardial		0	0	-	-	0	-	-	0
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.0
Ileum	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
Jejunum	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
Kidney	Number Examined:	20	20	0	0	20	0	0	20
Cyst(s), Tubular		0	0	-	-	0	-	-	1
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.1
Hydronephrosis		1	3	-	-	0	-	-	3
	Average Severity:	0.1	0.2	-	-	0.0	-	-	0.3
Inflammation		0	0	-	-	1	-	-	0
	Average Severity:	0.0	0.0	-	-	0.1	-	-	0.0
Nephropathy		0	0	-	-	0	-	-	2
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.1
Liver	Number Examined:	20	20	0	0	20	0	0	20
Inflammation		2	0	-	-	1	-	-	0
	Average Severity:	0.1	0.0	-	-	0.1	-	-	0.0
Lung	Number Examined:	20	20	0	0	20	0	0	20
Alveolar Macrophages, Increased		6	2	-	-	5	-	-	3
	Average Severity:	0.3	0.1	-	-	0.3	-	-	0.2
Eosinophilic Crystals		0	0	-	-	0	-	-	1
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.1
Infiltrate, Perivascular, Mixed Cell		5	1	-	-	2	-	-	2
	Average Severity:	0.3	0.1	-	-	0.1	-	-	0.1

Table 35. Incidence Summary of Microscopic Nonneoplastic Graded Observations with Average Severity – Males**Group Legend: 1=CM; 2=NT6M; 3=B0.3M; 4=B3M; 5=B6M; 6=E0.3M; 7=E3M; 8=E6M**

Tissue/Observation	Group:	Number Observed Per Group							
		1	2	3	4	5	6	7	8
Inflammation		4	4	-	-	2	-	-	9
	Average Severity:	0.2	0.2	-	-	0.1	-	-	0.5
Metaplasia, Osseous		1	1	-	-	2	-	-	0
	Average Severity:	0.1	0.1	-	-	0.1	-	-	0.0
Mineralization		2	0	-	-	0	-	-	0
	Average Severity:	0.1	0.0	-	-	0.0	-	-	0.0
Lymph Node, Mesenteric	Number Examined:	20	20	0	0	20	0	0	20
	No Remarkable Observations	-	-	-	-	-	-	-	-
Mammary Gland	Number Examined:	0	1	0	0	0	0	0	0
	No Remarkable Observations	-	-	-	-	-	-	-	-
Nose/Turbinates	Number Examined:	20	20	0	0	20	0	0	20
	Inflammation	0	0	-	-	0	-	-	0
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.0
Oral Cavity	Number Examined:	20	20	0	0	20	0	0	20
	No Remarkable Observations	-	-	-	-	-	-	-	-
Pancreas	Number Examined:	20	20	0	0	20	0	0	20
	Atrophy, Acinar	0	0	-	-	0	-	-	1
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.1
Parathyroid	Number Examined:	14	16	0	0	20	0	0	13
	No Remarkable Observations	-	-	-	-	-	-	-	-
Pharynx	Number Examined:	19	20	0	0	20	0	0	20
	Inflammation	0	0	-	-	0	-	-	0
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.0
Pituitary Gland	Number Examined:	20	19	0	0	20	0	0	20
	Hyperplasia, Pars Distalis	0	0	-	-	0	-	-	1
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.1

Table 36. Incidence Summary of Microscopic Nonneoplastic Graded Observations with Average Severity – Females**Group Legend: 1=CF; 2=NT6F; 3=B0.3F; 4=B3F; 5=B6F; 6=E0.3F; 7=E3F; 8=E6F**

Tissue/Observation	Group:	Number Observed Per Group							
		1	2	3	4	5	6	7	8
Harderian Gland Inflammation	Number Examined:	20	20	0	0	20	0	0	20
		0	1	-	-	0	-	-	0
	Average Severity:	0.0	0.1	-	-	0.0	-	-	0.0
Heart Cardiomyopathy Fibrosis, Endocardial	Number Examined:	20	20	0	0	20	0	0	20
		4	0	-	-	1	-	-	2
	Average Severity:	0.2	0.0	-	-	0.1	-	-	0.1
		0	0	-	-	0	-	-	1
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.1
Ileum No Remarkable Observations	Number Examined:	20	20	0	0	20	0	0	20
		-	-	-	-	-	-	-	-
Jejunum No Remarkable Observations	Number Examined:	20	20	0	0	20	0	0	20
		-	-	-	-	-	-	-	-
Kidney Cyst(s), Tubular Hydronephrosis Inflammation Nephropathy	Number Examined:	20	20	0	0	20	0	0	20
		0	0	-	-	1	-	-	0
	Average Severity:	0.0	0.0	-	-	0.1	-	-	0.0
		1	1	-	-	1	-	-	0
	Average Severity:	0.1	0.1	-	-	0.1	-	-	0.0
		0	0	-	-	0	-	-	0
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.0
	1	2	-	-	2	-	-	2	
	Average Severity:	0.1	0.1	-	-	0.1	-	-	0.1
Liver Inflammation	Number Examined:	20	20	0	0	20	0	0	20
		0	0	-	-	1	-	-	0
	Average Severity:	0.0	0.0	-	-	0.1	-	-	0.0
Lung Alveolar Macrophages, Increased	Number Examined:	20	20	0	0	20	0	0	20
		3	3	-	-	2	-	-	1
	Average Severity:	0.2	0.2	-	-	0.1	-	-	0.1

Table 36. Incidence Summary of Microscopic Nonneoplastic Graded Observations with Average Severity – Females**Group Legend: 1=CF; 2=NT6F; 3=B0.3F; 4=B3F; 5=B6F; 6=E0.3F; 7=E3F; 8=E6F**

Tissue/Observation	Group:	Number Observed Per Group							
		1	2	3	4	5	6	7	8
Pharynx Inflammation	Number Examined:	20	20	0	0	19	0	0	20
		0	0	-	-	0	-	-	1
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.1
Pituitary Gland Hyperplasia, Pars Distalis	Number Examined:	20	20	0	0	20	0	0	20
		0	2	-	-	0	-	-	0
	Average Severity:	0.0	0.1	-	-	0.0	-	-	0.0
Rectum Inflammation	Number Examined:	20	20	0	0	20	0	0	20
		0	0	-	-	0	-	-	1
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.1
Lymphoid Hyperplasia, Peyer's Patch	Number Examined:	20	20	0	0	20	0	0	20
		0	0	-	-	0	-	-	0
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.0
Salivary Gland No Remarkable Observations	Number Examined:	20	20	0	0	20	0	0	20
		-	-	-	-	-	-	-	-
Sciatic Nerve No Remarkable Observations	Number Examined:	20	20	0	0	20	0	0	19
		-	-	-	-	-	-	-	-
Skeletal Muscle No Remarkable Observations	Number Examined:	20	20	0	0	20	0	0	20
		-	-	-	-	-	-	-	-
Skin No Remarkable Observations	Number Examined:	20	20	0	0	20	0	0	20
		-	-	-	-	-	-	-	-
Spinal Cord No Remarkable Observations	Number Examined:	20	20	0	0	20	0	0	20
		-	-	-	-	-	-	-	-
Spleen No Remarkable Observations	Number Examined:	20	20	0	0	20	0	0	20
		-	-	-	-	-	-	-	-
Sternum No Remarkable Observations	Number Examined:	20	19	0	0	20	0	0	20
		-	-	-	-	-	-	-	-
Stomach Inflammation, Glandular Region	Number Examined:	20	20	0	0	20	0	0	20
		0	0	-	-	0	-	-	0
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.0

APPENDIX A: PROTOCOL, AMENDMENTS, AND DEVIATIONS

STUDY PROTOCOL

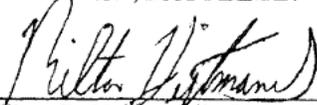
**90-DAY REPEATED DOSE SUBCHRONIC TOXICITY STUDY
OF TOBACCO BLEND AND AQUEOUS TOBACCO EXTRACT IN
WISTAR HAN RATS**

**TESTING FACILITY:
BATTELLE COLUMBUS
505 KING AVENUE
COLUMBUS, OH 43201**

**SPONSOR:
R.J. REYNOLDS TOBACCO COMPANY
RESEARCH AND DEVELOPMENT
BOWMAN GRAY TECHNICAL CENTER
WINSTON-SALEM, NC 27102**

This protocol was approved by the Sponsor Study Monitor on 8/13/08 / RS
Date / Initials

APPROVED, BATTELLE:



Milton R. Hejtinacik, Ph.D., D.A.B.T.
Study Director

8/13/08
Date



Allen W. Singer, D.V.M., D.A.C.V.P., D.A.B.T.
Toxicology Columbus Manager

8-13-08
Date

The protocol for the study, data, study conduct and the final report will be reviewed by Battelle's Quality Assurance Unit based upon current assurance principles and Good Laboratory Practices.

REVIEWED, BATTELLE:



Carrie James, RQAP/GLP
Quality Assurance Officer

8/13/08
Date

APPROVED, SPONSOR:



Suzana Theophilus, Ph.D., D.A.B.T.
Senior Staff Toxicologist

8/15/08
Date

To the best of our knowledge, this study does not unnecessarily duplicate any previous experiments.

1.0 PURPOSE

The purpose of this study is to compare toxicity of a tobacco blend, aqueous tobacco extract, and appropriate controls in rodents (nicotine tartrate positive control and diet negative control). The study will also determine plasma concentrations of nicotine and cotinine under various conditions of test chemical exposure. This data will be used in the design of long-term studies.

2.0 REGULATORY COMPLIANCE

This study will be conducted in compliance with the current version of the United States Food and Drug Administration's (FDA) Good Laboratory Practice (GLP) Regulations, 21 CFR Part 58, for the conduct of nonclinical laboratory studies. This protocol will be listed in the Battelle total list of studies as "FDA GLP (non-regulated)."

All portions of this study to be performed at Battelle will adhere to the study protocol and any amendments, as well as to applicable Battelle facility Standard Operating Procedures (SOPs).

Portions of this study performed by the Sponsor or Sponsor's designee will be conducted according to SOPs of the performing laboratory. The conduct of such portions will be conducted in compliance with the current version of the United States Food and Drug Administration's (FDA) Good Laboratory Practice (GLP) Regulations, 21 CFR Part 58 for the conduct of nonclinical laboratory studies.

3.0 ROUTE AND DURATION OF ADMINISTRATION

The test articles will be administered orally mixed in the feed, for a minimum of 90 days. This route of administration is chosen based upon human exposure via the oral route.

4.0 TESTING FACILITY

4.1 Testing Facility

Battelle Columbus
505 King Avenue
Columbus, Ohio 43201-2693

4.2 Study Director

Milton R. Hejtmancik, Ph.D., D.A.B.T.
 Tel: 614-424-4465
 Fax: 614-424-3171
 E-mail: hejzman@battelle.org

5.0 SPONSOR AND STUDY MONITOR

5.1 Sponsor:

R.J. Reynolds Tobacco Company
 Research and Development
 Bowman Gray Technical Center
 Winston-Salem, NC 27102

5.2 Sponsor's Study Monitor

Suzana Theophilus, Ph.D., D.A.B.T
 R.J. Reynolds Tobacco Company
 Research and Development
 Bowman Gray Technical Center
 Winston-Salem, NC 27102
 Tel: 336-741-1536
 E-mail: theophe@rjrt.com

6.0 PROPOSED STUDY SCHEDULE

Proposed dates for the following study events are listed below. The actual dates will be documented in the study file.

Animal Receipt:	August 19, 2008
Animal Quarantine:	August 19, 2008 – September 1, 2008
First Day of Dosing:	September 2, 2008 (M), September 3, 2008 (F)
Week 2 TK Bleeds	September 16, 2008 – September 17, 2008
Week 4 TK Bleeds:	September 30, 2008 – October 1, 2008
Week 8 TK Bleeds:	October 28, 2008 – October 29, 2008
Week 13 TK Bleeds:	December 2, 2008 – December 3, 2008
Clinical Pathology/Necropsy:	December 2, 2008 – December 5, 2008
Unaudited Data Submitted to RJRT:	January 20, 2009
RJRT Approval to Proceed to 2-Year Chronic Study	Week of February 2, 2009
Draft Final Report:	Week of June 8, 2009

7.0 TEST SYSTEM

Species:	Rat
Strain:	Wistar Hanover
Source:	Charles River
Anticipated Body Weight Range at Randomization:	50-200 g
Anticipated Age Range at Arrival:	4-5 weeks
Number of Rats Required for Study:	426 rats (213/sex), including sentinels. A sufficient number of extra rats will be ordered to provide the required number of rats for the study.

7.1 Test System Justification

The rat is an accepted rodent species for use in toxicology studies of test articles intended for human use. At this time, studies in laboratory animals are required to support regulatory submissions. The number of rats is considered to be the minimum number necessary to yield meaningful results.

8.0 ANIMAL CARE, HOUSING, AND ENVIRONMENTAL CONDITIONS

General procedures for animal care and housing will meet or exceed current AAALAC recommendations, current requirements stated in the "Guide for Care and Use of Laboratory Animals" (National Research Council, 1996), and will conform to the Testing Facility Standard Operating Procedures (SOPs). The protocol will be reviewed and approved by Battelle's Institutional Animal Care and Use Committee (IACUC) and will be reviewed by the sponsor's IACUC, and Battelle will respond to any written comments and/or questions from the sponsor's IACUC regarding the protocol.

8.1 Quarantine and Acclimation

Rats will be quarantined and acclimated for not less than 7 days in accordance with facility SOP.

8.2 Animal Housing

All animal housing and environmental conditions will follow facility SOPs. Male rats will be housed up to two per cage and female rats will be housed up to three per cage in polycarbonate cages appropriate for the animals and the study. Sentinel rats for serological monitoring will be housed in the same room as the study rats.

8.3 Feed

Rats will be fed powdered NTP-2000 rodent diet *ad libitum*, according to facility SOP, except when fasted prior to scheduled necropsy. The control group will be fed the diet without test article. Analytical reports of each feed lot will be provided by the manufacturer. Analytical reports will be reviewed according to facility SOP to ensure acceptable standards, and freedom from levels of contaminants that may interfere with the purpose or conduct of the study. Copies of the analytical results will be retained in the study file.

8.4 Water

Fresh water from the Columbus municipal water supply will be provided *ad libitum* to the rats by an automatic watering system. The water supply will be analyzed within 6 months of the start of the study to ensure acceptable standards, and freedom from levels of contaminants that may interfere with the purpose or conduct of the study. A copy of the analytical results will be retained in the study file.

9.0 TEST ARTICLE AND CONTROL ARTICLE

Records of receipt and use of the test article and control article will be maintained.

9.1 Test Articles

9.1.1 Tobacco Blend

Description:	Natural tobacco blend containing no additives
Supplier:	R.J. Reynolds Tobacco Company
Characterization:	A Certificate of Analysis (CoA) and/or equivalent documentation of test article identity, strength, purity, composition and other defining characteristics was provided by the Sponsor. Documentation of synthesis will be maintained by the Sponsor. Lot number(s) and expiration date(s), if any, will be included in the final report and study files.
Stability:	Test article stability was provided by the Sponsor for inclusion in the final report.
Storage Conditions:	Suitable quantities of the test article were provided by the sponsor in plastic buckets. The test article will be stored frozen (-30 to -15°C). Any test article from a single-use container that is not used for the formulation task for which it was aliquoted will be saved for emergency use only.

9.1.2 Aqueous Tobacco Extract

Description:	Water extraction of tobacco test article
Supplier:	R.J. Reynolds Tobacco Company
Characterization:	A Certificate of Analysis (CoA) and/or equivalent documentation of test article identity, strength, purity, composition and other defining characteristics was provided by the Sponsor. Documentation of synthesis will be maintained by the Sponsor. Lot number(s) and expiration date(s) will be included in the final report.
Stability:	Test article stability was provided by the Sponsor for inclusion in the final report.
Storage Conditions:	Suitable quantities of the test article were provided by the sponsor in plastic buckets. The test article will be stored frozen (-30 to -15°C). Any test article from a single-use container that is not used for the formulation task for which it was aliquoted will be saved for emergency use only.

9.2 Positive Control Article

Name:	Nicotine hydrogen tartrate salt
Description:	Positive control article containing nicotine. The nicotine free base is 35.1% of the bulk salt (2.85 g of salt contains 1 g of free nicotine). Animal dosing will be based upon nicotine and not the bulk salt.
Supplier:	Sigma-Aldrich
Characterization:	Identity, lot number(s), purity, composition, stability and other defining characteristics was provided by the Supplier. A Certificate of Analysis and a Material Safety Data Sheet was obtained from the supplier and will be maintained in the study file by the conducting laboratory and provided to the sponsor.
Storage Conditions:	The control article will be stored under conditions recommended by the supplier.

9.3 Reserve Samples

Archival samples (~100 g) of each set of the tobacco blend, aqueous tobacco extract, and ~5g of the nicotine hydrogen tartrate positive control article used to formulate the animal diets were collected under design form CN49730 A-TASTAB. Reserve

samples of the tobacco blend and tobacco extract shall be maintained frozen (-30 to -15 °C) and a reserve sample of the nicotine tartrate shall be maintained at room temperature until submission of the chronic study final report. At that time, reserve samples will be shipped to R.J. Reynolds Tobacco Company upon authorization by the Study Director. Samples will be shipped overnight on dry ice to:

R.J. Reynolds Tobacco Company
Research and Development
Bowman Gray Technical Center
Winston Salem, NC 27102

The Study Monitor will be notified of the date of shipment.

9.3.1 Disposition of Unused and Residual Test Articles

Following the completion of in-life dosing, the sponsor will provide the laboratory authorization to either dispose of or directions to store unused test article or positive control for potential use in further studies. If for any reason, the subsequent studies are cancelled, the sponsor will provide Battelle authorization to either dispose of these materials or have them returned to the sponsor.

9.4 Formulation Preparation and Analysis

9.4.1 Formulation Preparation

Diet formulations will be prepared at monthly intervals according to a procedure developed by Battelle for this study, based on method(s) provided by the Sponsor. The concentration of test article in the feed will be based upon the anticipated food consumption in and body weight changes of Wistar Han rats to maintain a constant dose throughout the study. Exposure of the animals to the test articles and positive control will be by *ad libitum* consumption of the NTP-2000 powdered feed. Formulations will be stored at room temperature prior to use and will be appropriately discarded on or after their expiration date. Stability of formulations are currently being conducted under design form CN49730A-FORMPRE.

9.4.2 Retention Samples

One formulation analysis sample, target 200 g, and one formulation retention sample, target 200 g, will be taken from the formulation batches prepared for each diet at each dose and will be stored at room temperature. Formulation retention samples will be retained when the analysis is complete and acceptable to the Study Director or after the dose expires, whichever occurs first.

9.4.3 Formulation Analysis

Nicotine will be used as the tracking compound for the formulation analysis. All prepared formulations will be analyzed for nicotine content. Animal room samples

will be collected on the last day of use of [~~each~~ *the first*]² formulation preparation. Homogeneity of dose formulations were conducted under design form CN49730A-FORMPRE.

Results of formulation analyses and an audited formulation analysis report will be included in the final report.

10.0 EXPERIMENTAL DESIGN

Four hundred twenty-six rats will be assigned to 1 of 8 dose groups and 1 group of sentinels. The study will consist of a 90-day toxicity study and a toxicokinetic study. Doses were determined from the 28-day repeated dosing study. A subset of six rats/sex are included in each dose group for plasma nicotine and cotinine analysis in which blood draws will occur once during study week 2, 4, 8, and 13 at a single collection time point (12:00 AM will be the target time point based on results from the 28-day study).

Five rats per sex will be maintained with the study rats as undosed sentinels for serological monitoring. Serological monitoring will be conducted before dose initiation and at study termination according to facility SOP.

Endpoints used to evaluate the potential toxicity of tobacco blend and aqueous tobacco extract will be clinical observations, body weights and body weight changes, food consumption, ophthalmology, and clinical and anatomic pathology including organ weights. A staggered start will be used, with males starting dosing one day and the females the following day, each having a respective Day 1 of study.

The number of rats per group, and dosage levels, are as follows:

Group	Target Dosage of Nicotine (mg/kg/day)	Number of Rats			
		Males		Females	
		Core	TK ^{a,b}	Core	TK ^{a,b}
1 - Control	0	20	6	20	6
2 - Nicotine Tartrate (NT) High Dose	6	20	6	20	6
3 - Tobacco Blend Low Dose	0.3	20	6	20	6
4 - Tobacco Blend Intermediate Dose	3	20	6	20	6
5 - Tobacco Blend High Dose	6	20	6	20	6
6 - Tobacco Extract Low Dose	0.3	20	6	20	6
7 - Tobacco Extract Intermediate Dose	3	20	6	20	6
8 - Tobacco Extract High Dose	6	20	6	20	6
9 - Sentinels	0	5	--	5	--

^a Nicotine /cotinine analysis.

^b An extra rat has been included in each dose group for potential replacement of any animal that may die or be unsuitable for blood sampling.

10.1 Serology

The serology screen will be conducted [~~according to facility SOP~~]¹ using 5 males and 5 females soon after arrival. These animals will be necropsied to evaluate the internal organs for any signs of disease. Initiation of the study will be dependent on negative serology and no evidence of disease in the animals. This procedure will be repeated near or at termination of the study with the 5 males and 5 females in the sentinel group.

Rat serology endpoints are as follows:

Sendai virus	Mouse adenovirus (MAV) 1 & 2
Pneumonia virus of mice (PVM)	Hantaviruses (HANT)
Sialodacryoadenitis virus (SDAV)	<i>Encephalitozoon cuniculi</i> (ECUN)
Kilham rat virus (KRV)	Cilia associated respiratory bacillus (CARB)
H-1 virus (H-1)	Mouse parvovirus (MPV) or PARV NS1
GDVII (murine encephalomyelitis virus)	Rat parvovirus (RPV)
REO	Rat minute virus (RMV)
<i>Mycoplasma pulmonis</i>	
Lymphocytic choriomeningitis virus (LCMV)	

10.2 Assignment to Groups

Rats will be assigned to dose groups by sex and body weight prior to the initiation of dosing using PATH/TOX SYSTEM 4.2.2. (Xybion Medical Systems Corp., Cedar Knolls, NJ), which ensures similar group mean body weights by sex. Rats whose body weights are outside a suitable range based on the mean body weights of the animals will not be assigned to the study upon the judgment of the study director. Animals whose behavior or clinical condition deviates from that typical of the species and strain will be eliminated from use on the study. After randomization, the mean body weights of each study group will not be significantly different ($p \leq 0.05$). After assignment to groups, each rat will be identified by tail tattoo with an animal identification number unique within the study. Each cage card will contain information including but not limited to study number, group assignment, and animal identification number.

Animal identification numbers will be assigned as follows:

Group	Color Code	Males		Females	
		Core	TK	Core	TK
1 - Control	White	101-120	121-126	151-170	171-176
2 - Nicotine Tartrate High Dose	Gray	201-220	221-226	251-270	271-276
3 - Tobacco Blend Low Dose	Lilac/Blue	301-320	321-326	351-370	371-376
4 - Tobacco Blend Intermediate Dose	Lilac/Yellow	401-420	421-426	451-470	471-476
5 - Tobacco Blend High Dose	Lilac/Red	501-520	521-526	551-570	571-576
6 - Tobacco Extract Low Dose	Tan/Blue	601-620	621-626	651-670	671-676
7 - Tobacco Extract Intermediate Dose	Tan/Yellow	701-720	721-726	751-770	771-776
8 - Tobacco Extract High Dose	Tan/Red	801-820	821-826	851-870	871-876
9 - Sentinels	Black	901-905	--	951-955	--

10.3 Clinical Observations

Cage-side observations for moribundity and mortality will be performed on all rats, twice daily, at least 6 hours apart, per facility SOP.

Detailed clinical examinations will be conducted on all rats, including those not subsequently assigned to study, prior to group assignment. During the in-life phase of the study detailed clinical examinations will be conducted weekly on all surviving core study rats. The final detailed clinical examination of each core study rat will be conducted on the day of its scheduled necropsy. Clinical observations will be conducted for all core moribund animals. No clinical observations will be conducted for TK animals.

10.4 Body Weight

Individual animal body weights will be recorded for all rats pre-study for randomization and group assignment. After initiation of dosing, body weights for all core study rats will be recorded weekly for 13 weeks and at necropsy, excluding sentinels. Weekly body weights will also be recorded for animals in the TK plasma analysis groups.

10.5 Food Consumption

Food consumption over an approximate 24 hour period for core study rats will be measured weekly for 13 weeks according to facility SOP. Food consumption will not be measured on TK animals or sentinels.

10.6 Ophthalmic Examinations

Ophthalmic examinations will be conducted on all [study *potential core*]¹ animals according to facility SOP by a staff veterinarian prior to selection/group assignment. Exams will be repeated near the termination of the study for all core study rats, excluding sentinels. A mydriatic will be used for ophthalmic exams. A copy of the ophthalmic examination findings will be included in the final report.

10.7 Toxicokinetics

Six rats per sex are included in each dose group, excluding sentinels, for determinations of plasma nicotine and cotinine concentrations. Methodology for plasma nicotine and cotinine analysis will be validated under design form CN49730 A-BIOVAL.

Blood sampling will occur on each Tuesday (males) and Wednesday (females) of Weeks 2, 4, 8, and 13 (study termination). Samples will be collected at a single time point (the target time point will be 12:00 AM based upon results from the 28-day toxicokinetic study) for nicotine and cotinine analysis in five male and five female rats from up to eight dose groups at each of the four time periods (40 total TK samples/sex/time period). An extra rat has been included in each dose group for potential replacement of any rat that may die or be unsuitable for blood sampling. The data from the four sampling periods will be used to evaluate dose proportionality and nicotine metabolism by sex and group.

Toxicokinetic study rats will be anesthetized with CO₂/O₂ and blood will be collected retro-orbitally into tubes containing potassium EDTA as the anti-coagulant. A target volume of 500 µL of blood will be drawn at each time point using techniques according to facility SOPs. Samples will be placed on wet ice until centrifuged. Plasma will be transferred into appropriately labeled tubes and placed on dry ice until stored in a freezer set to maintain -60 to -80°C.

After each blood collection the animal will be placed back in its home cage supplied with feed and water until the next scheduled blood draw. These animals will remain on the study and be used for subsequent plasma nicotine and cotinine analysis. Toxicokinetic animals will be euthanized at termination of the study with no further data collected.

Toxicokinetic parameters to be evaluated will include but may not be limited to the measured C_{max} and T_{max}. An audited toxicokinetic report and an audited bioanalytical report, together with appropriate QA documentation, will be provided to the Study Director for inclusion in the final report.

10.8 Clinical Pathology

Clinical chemistry, hematology, [~~and~~]² coagulation[~~and urinalysis~~]² assessments will be performed on all surviving core study rats [(~~excluding sentinels~~)]² on the day of their scheduled necropsy, [~~excluding sentinels~~]. *Urinalysis will be conducted for 10 surviving core study rats (excluding sentinels) per group*².

All rats will be fasted overnight prior to scheduled blood sampling for hematology, coagulation, and clinical chemistry determinations. Rats will be anesthetized and blood will be collected using an appropriate method. The tubes for hematology will contain EDTA as an anticoagulant. The tubes used for clinical chemistry determinations will not contain anticoagulant, but may contain serum separator gel. Sodium citrate will be used as an anticoagulant for the coagulation assay. Target volumes of blood collections for clinical chemistry, hematology and coagulation are [~~1-3 I.1~~]¹, 0.5, and [~~1-1 I.3~~]¹ mL, respectively. In the event that blood volumes do not meet these suggested values, clinical chemistry and coagulation parameters will be given the highest and lowest priority, respectively. Further prioritization may be assigned to clinical chemistry parameters based upon anticipated target organs (see below).

Rats will be placed into metabolism cages for urine collection. Water, but no food, will be provided to the animals. Urine will be collected overnight according to facility SOPs.

Clinical pathology results, and the clinical pathologist's report, will be included in the final report.

10.8.1 Clinical Chemistry Parameters

Clinical chemistry parameters to be evaluated are (listed in the order of priority left column top to bottom, then right column top to bottom):

Aspartate aminotransferase	Cholesterol
Bilirubin, direct	Creatinine
Bilirubin, total	Protein, total
Gamma glutamyl transferase	Urea nitrogen
Albumin	Electrolytes:
Globulin	Calcium
Albumin/globulin ratio	Chloride
Alkaline phosphatase	Phosphorus
Glucose	Potassium
Triglycerides	Sodium

10.8.2 Hematologic Parameters

Hematologic parameters to be evaluated are:

Erythrocyte count	Mean corpuscular hemoglobin concentration
Hematocrit	Mean corpuscular volume
Hemoglobin	Platelet count
Leukocyte count, total	Reticulocyte count
Leukocyte differential	
Mean corpuscular hemoglobin	

10.8.3 Coagulation Parameters

Prothrombin time will be evaluated.

10.8.4 Urinalysis

Urinalysis parameters to be evaluated are (listed in the order of priority left column top to bottom, then right column top to bottom):

Appearance	Protein
Volume	Specific gravity
pH	Microscopic examination of sediment ^a
Glucose	

^a Sediment will be evaluated for white blood cells, red blood cells, casts, epithelial cells, mucus, sperm, bacteria, yeast, amorphous sediment, and crystals.

10.9 Necropsy

10.9.1 Unscheduled Necropsy

Complete necropsies will be performed on all core study rats that die or are terminated at an unscheduled interval. Terminal body weights and clinical observations will be recorded for moribund rats prior to euthanasia. Moribund core rats will be euthanized using CO₂. Organ weights will not be recorded for unscheduled deaths. Necropsy and clinical observations will not be conducted on sentinels and toxicokinetic rats that die or are terminated at an unscheduled interval.

10.9.2 Scheduled Necropsy

After at least 90 days of dosing, all surviving core animals, excluding sentinels, will be fasted overnight and humanely terminated using CO₂. Terminal body weights will be determined and the external features of the animals will be evaluated, followed by necropsy.

All scheduled necropsies will be conducted under the supervision of a board-certified veterinary pathologist. Each necropsy will include examination of the external surface of the body and all orifices; the cranial, thoracic, abdominal and pelvic cavities and their contents; and collection of tissues.

Tissues listed below, when present, will be collected from all rats according to facility SOP. Tissues will be placed in 10% neutral buffered formalin (NBF), with the exception of testes, which will be preserved in Bouin's fixative and subsequently transferred to 70% ethanol, and eyes with optic nerve which will be fixed in Davidson's fixative and subsequently transferred to 10% NBF, per facility SOP.

Animal identification ^a	Pituitary gland
Adrenal glands	Preputial glands
Bone and marrow (femur)	Prostate gland
Brain	Salivary gland (mandibular)
Clitoral gland	Sciatic nerve
Epididymides	Seminal vesicles
Esophagus, pharynx[, <i>trachea</i>] ³	Skeletal muscle (biceps femoris)
Eyes	Skin
Gross lesions	Spinal cord (cervical, thoracic, lumbar)
Harderian glands	Spleen
Heart	Sternum with bone marrow
Intestine, large (cecum, colon, rectum)	Stomach (fore-stomach and glandular)
Intestine, small (duodenum, jejunum, ileum)	Testes
Kidneys	Thymus
Liver (median lobe and left lateral lobe)	Thyroid gland (with parathyroids, if present in routine section)
Lungs with bronchi	Tongue
Lymph node (mesenteric)	Urinary bladder
Mammary gland (females only)	Uterus
Nose (nasal cavity and turbinates)	Vagina
Ovaries (without oviduct)	Zymbal glands
Oral cavity	
Pancreas	

^a Collected but not processed.

10.10 Organ Weights

The following organs, when present, will be weighed for all scheduled necropsies. Paired organs will be weighed together. Absolute weight, organ-to-body weight and organ-to-brain-weight will be reported. Organ weights will not be conducted on rats found dead or euthanized in moribund condition.

Adrenal glands	Thyroid/parathyroid gland ^a
Brain	Seminal vesicles ^[a] ¹
Epididymides	Spleen
Heart	Ovaries (without oviduct)
Kidneys	Testes (without epididymides)
Liver	Thymus
Lungs	Salivary glands (mandibular)
Pituitary gland ^a	Uterus (with cervix)
Prostate ^[a] ¹	

^a Weighed after fixation.

10.11 Tissue Processing

All fixed tissues from controls (Group 1) and high dose groups (Groups 2, 5, and 8) will be processed to slides and stained with hematoxylin and eosin according to facility SOP for histopathologic examination.

10.12 Histopathologic Evaluation

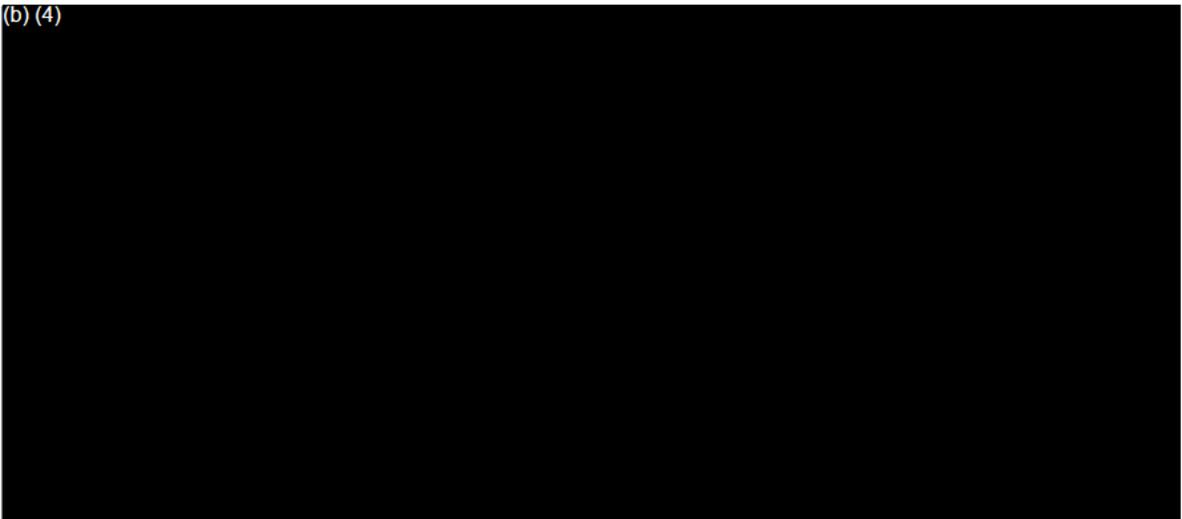
Tissue slides from scheduled necropsies of core rats in the control (Group 1) and high dose groups (Groups 2, 5, and 8) will be examined histologically by a board-certified veterinary pathologist. Additional groups may be included for histological examination at the discretion of the Sponsor and at additional cost.

An internal peer review will be performing according to Battelle SOP.

Necropsy and histopathology results and the pathologist's report will be included in the final report.

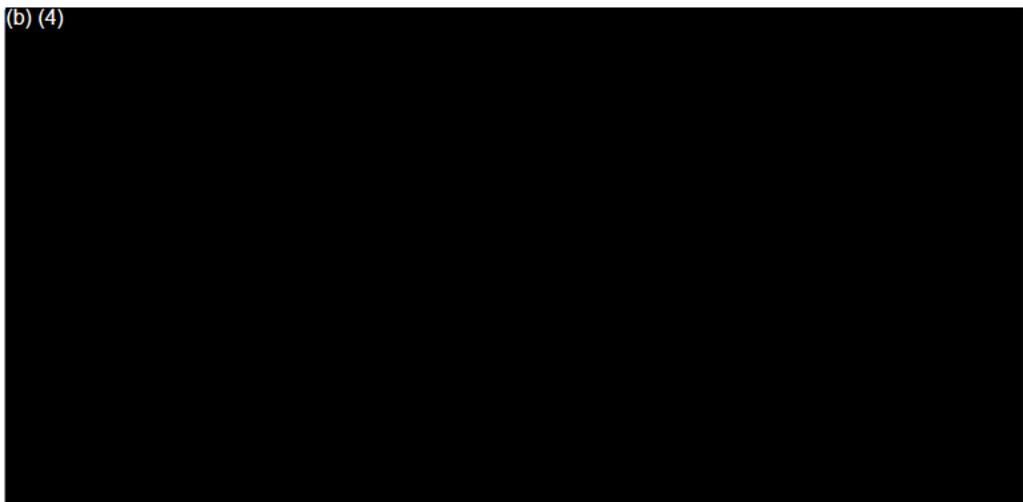
11.0 COMPUTER SYSTEMS FOR DATA MANAGEMENT

(b) (4)



12.0 STATISTICAL ANALYSIS

(b) (4)



Toxicokinetic data will be reported as individual and group mean summary graphs and tables prepared by species, sex, treatment, and time period.

13.0 REPORTING

A draft final report will be prepared and submitted to the Sponsor as a .pdf file via email. The Sponsor shall submit final comments, if any, on the draft report to the Study Director. After review and acceptance of the draft final report by the sponsor, Battelle will submit to the Sponsor a bound final report along with a .pdf file.

14.0 STORAGE OF STUDY MATERIALS AND RECORDS RETENTION

Except for analyses performed by the Sponsor or Sponsor's designated laboratory, all records required to reconstruct the study and the final report will be maintained under the direction of Battelle according to facility SOPs. The final report, study files, records and specimens will be stored in Battelle's archives for a period of no less than one year after issue of the final report. At the end of 1 year, the sponsor will provide authorization concerning the disposition of these items.

AMENDMENT NUMBER 1 TO THE PROTOCOL FOR THE 90-DAY REPEATED DOSE SUBCHRONIC TOXICITY STUDY OF TOBACCO BLEND AND AQUEOUS TOBACCO EXTRACT IN WISTAR HAN RATS (CN49730E)

1. a. Page 10, Section 10.1, Serology. The following sentence has been changed from:

“The serology screen will be conducted according to facility SOP using 5 males and 5 females soon after arrival.”

to:

“The serology screen will be conducted using 5 males and 5 females soon after arrival.”
 - b. The reason for the change is correct a clerical discrepancy.
 - c. The effective date for this change is August 13, 2008

2. a. Page 12, Section 10.6, Ophthalmic Examinations. The following sentence has been changed from:

“Ophthalmic examinations will be conducted on all study animals according to facility SOP by a staff veterinarian prior to selection/group assignment.”

to:

“Ophthalmic examinations will be conducted on all potential core animals according to facility SOP by a staff veterinarian prior to selection/group assignment.”
 - b. The reason for the change is to reduce the number of pre-randomization ophthalmic examinations.
 - c. The effective date for this change is August 25, 2008

3. a. Page 13, Section 10.8, Clinical Pathology. The following sentence has been changed from:

“Target volumes of blood collections for clinical chemistry, hematology and coagulation are 1.3, 0.5, and 1.1 mL, respectively.”

to:

“Target volumes of blood collections for clinical chemistry, hematology and coagulation are 1.1, 0.5, and 1.3 mL, respectively.”

- b. The reason for the change is to correct an error.
- c. The effective date for this change is August 13, 2008 (Pre-study meeting)

- 4. a. Page 16, Section 10.10, Organ Weights. The following organs on the organ weight table have been changed from:

“Seminal vesicles” and “Prostate”

to:

“Seminal vesicles^a” and “Prostate^a”

- b. The reason for the change is to weigh these organs after fixation to reduce data variability.
- c. The effective date for this change is August 29, 2008

- 5. Revised pages 10, 12, 13, and 16 of the protocol as changed in this amendment are attached.

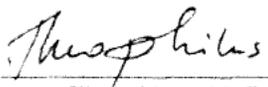
APPROVED BY:



 Milton Hejtmancik, Ph.D.
 Diplomate, A.B.T.
 Study Director

10/3/08

 Date



 Suzana Theophilus, Ph.D.
 Diplomate, A.B.T.
 Study Monitor
 R.J. Reynolds Tobacco Company

10/6/08

 Date

AMENDMENT NUMBER 2 TO THE PROTOCOL FOR THE 90-DAY REPEATED DOSE SUBCHRONIC TOXICITY STUDY OF TOBACCO BLEND AND AQUEOUS TOBACCO EXTRACT IN WISTAR HAN RATS (CN49730E)

1. a. Page 9, Section 9.4.3, Formulation Analysis. The following sentence has changed from:

“Animal room samples will be collected on the last day of use of each formulation preparation.”

to:

“Animal room samples will be collected on the last day of use of the first formulation preparation.”
 - b. The reason for the change is to correct an error in the protocol.
 - c. The effective date for this change is November 10, 2008.

2. a. Page 13, Section 10.8, Clinical Pathology. The following paragraph has changed from:

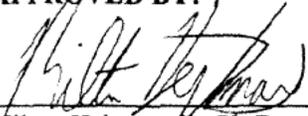
“Clinical chemistry, hematology, coagulation, and urinalysis assessments will be performed on all surviving core study rats on the day of their scheduled necropsy, excluding sentinels.”

to:

“Clinical chemistry, hematology, and coagulation assessments will be performed on all surviving core study rats (excluding sentinels) on the day of their scheduled necropsy. Urinalysis will be conducted for 10 surviving core study rats (excluding sentinels) per group.”
 - b. The reason for the change is to reduce the number of core study rats subjected to urinalysis on the day of their scheduled necropsy.
 - c. The effective date for this change is November 14, 2008.

3. Revised pages 9 and 13 of the protocol as changed in the amendment are attached.

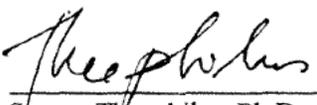
APPROVED BY:



Milton Hejtmanski, Ph.D.
Diplomate, A.B.T.
Study Director

1/27/09

Date



Suzana Theophilus, Ph.D.
Diplomate, A.B.T.
Study Monitor
R.J. Reynolds Tobacco Company

1/29/09

Date

AMENDMENT NUMBER 3 TO THE PROTOCOL FOR THE 90-DAY REPEATED DOSE SUBCHRONIC TOXICITY STUDY OF TOBACCO BLEND AND AQUEOUS TOBACCO EXTRACT IN WISTAR HAN RATS (CN49730E)

- 1. a. Page 15, Section 10.9.2, Scheduled Necropsy. Trachea has been added to the list of tissues collected at necropsy.
 - b. The reason for this addition is to clarify that trachea is collected, trimmed, and processed to slides along with esophagus.
 - c. The effective date for this change is January 9, 2009.

- 2. a. Page 17, Section 12.0, Statistical Analysis. The following sentence has changed from:

“Comparisons will include Control vs. Positive Control, Control vs. Test Articles, Positive Control vs. High Dose Test Articles, and Blend vs. Extract.”

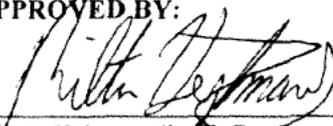
to:

“Comparisons will include Control vs. Positive Control and Test Articles, Positive Control vs. High Dose Test Articles, and corresponding groups of Blend vs. Extract.”

 - b. The reason for the change is to reduce the number of superscripts used to report statistical comparisons.
 - c. The effective date for this change is February 4, 2009.

- 3. Revised pages 15 and 17 of the protocol as changed in the amendment are attached.

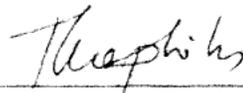
APPROVED BY:



 Milton Hejtmancik, Ph.D.
 Diplomat, A.B.T.
 Study Director

3/3/09

 Date



 Suzana Theophilus, Ph.D.
 Diplomat, A.B.T.
 Study Monitor
 R.J. Reynolds Tobacco Company

3/4/09

 Date

DEVIATION REPORT

CN49730E

90 ①

28-Day Repeated Dose Toxicity Study of Tobacco Blend and Aqueous Tobacco Extract in Wistar Han Rats

Type of Deviation: Protocol

Dates of Deviation: December 2-5, 2008

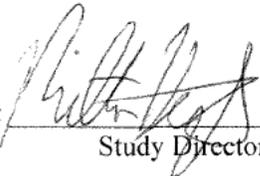
Nature of Deviation: Core study rats were not terminated using CO₂.

Cause of Deviation: Core study rats were given a CO₂/O₂ mixture as an anesthetic to facilitate the collection of blood for hematology, clinical chemistry, and blood collection from the vena cava for coagulation studies (prothrombin time). Therefore, termination of rats occurred via exsanguination.

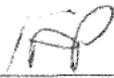
Impact on the Study: This deviation has no impact on the study.

Corrective Action: None.

Prepared By: Dawn Fallacara

Approved By: 
Study Director

Date: 12/8/08

Approved By: 
Veterinarian

Date: 12/8/08

- Original: Study File
- Copies: M. Hejtmancik
- Dawn Fallacara
- C. James
- N. Hale
- A. Skowronek
- 8835 Files

① WN DMF 1/5/09
② WN DMF 1/20/09

DEVIATION REPORT

CN49730E

90-Day Repeated Dose Subchronic Toxicity Study of Tobacco Blend and Aqueous Tobacco
Extract in Wistar Han Rats

Type of Deviation: Protocol

Dates of Deviation: December 29, 2008

Nature of Deviation: Freezer containing tobacco blend and extract reserve samples (X-49933) deviated from protocol specified range (-30 to -15°C) at 3:35:06 PM on 12/29/2008 and did not return to normal within 60 minutes, as required by SOP (GEN.III-032). The unit returned to normal operating temperature at 4:35:07 PM on 12/29/2008.

Cause of Deviation: Staff pulling items out of unit.

Impact on the Study: No impact. The unit did not exceed -9°C and nothing thawed during the 61 minute deviation.

Corrective Action: Staff was reminded to be quick when getting in and out of freezer units.

Prepared By: Dawn Fallacara

Approved By:


Study Director

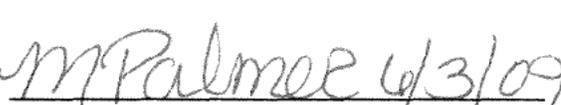
Date:

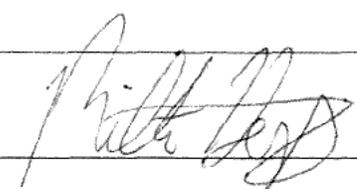
1/28/09

Original: Study File
Copies: M. Hejtmancik
Dawn Fallacara
C. James
8835 Files

Deviation Report

Study: CN49730E
Deviation classification: <input checked="" type="checkbox"/> Protocol, Section: 10.9.2 <input type="checkbox"/> SOP: _____

Description of deviation:			
Preputial Glands were not able to be located at trim for the following animals: 102, 108, 119, 203, 220, 507, 803, and 805.			
Urinary Bladder and Vagina were not able to be located at trim for animal 570.			
Sternum and Lumbar Spinal Cord were not able to be located at trim for animal 261.			
 			
Signature	Date	Supervisor's signature	Date
	6/3/09		6/4/09

Study Director's assessment.	
<i>Impact on Study: No impact.</i>	
<i>Corrective Action: None required. Missing tissues documented above.</i>	
	
Study Director's Signature	Date
	6/4/09

DEVIATION REPORT

Study Number: CN49730E (1)
~~Study Title:~~ (2)

Type of Deviation: PROTOCOL

Date of Deviation: August 27, 2008

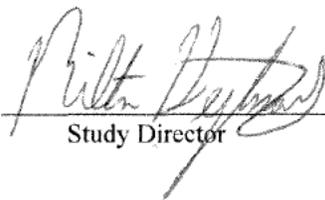
Nature of Deviation: No pre-study ophthalmic examinations were conducted for five rats (#166, #752, #764, #855, and #866).

Cause of Deviation: Notation on pre-study form indicated that these animals were designated as sentinels.

Impact of Deviation on the Study: None as all rats (except #752) were determined to be normal during the final ophthalmic examination.

Corrective Action: None required as the eyes for these rats were evaluated at study termination.

Prepared By: Dawn Fallacara

Approved By: 
Study Director

Date: 6/12/09

Original: Study File
Copies: Study Director
Study Supervisor
QA Auditor

(1) Late Entry DMF 7/6/09
(2) Not needed DMF 7/6/09

**APPENDIX B: CERTIFICATES OF ANALYSIS AND TEST ARTICLE
CHARACTERIZATION AND STABILITY**

RJReynolds

Bowman Gray Technical Center
950 Reynolds Boulevard
Winston-Salem, NC 27106
(336) 741-1836

CERTIFICATE OF ANALYSIS

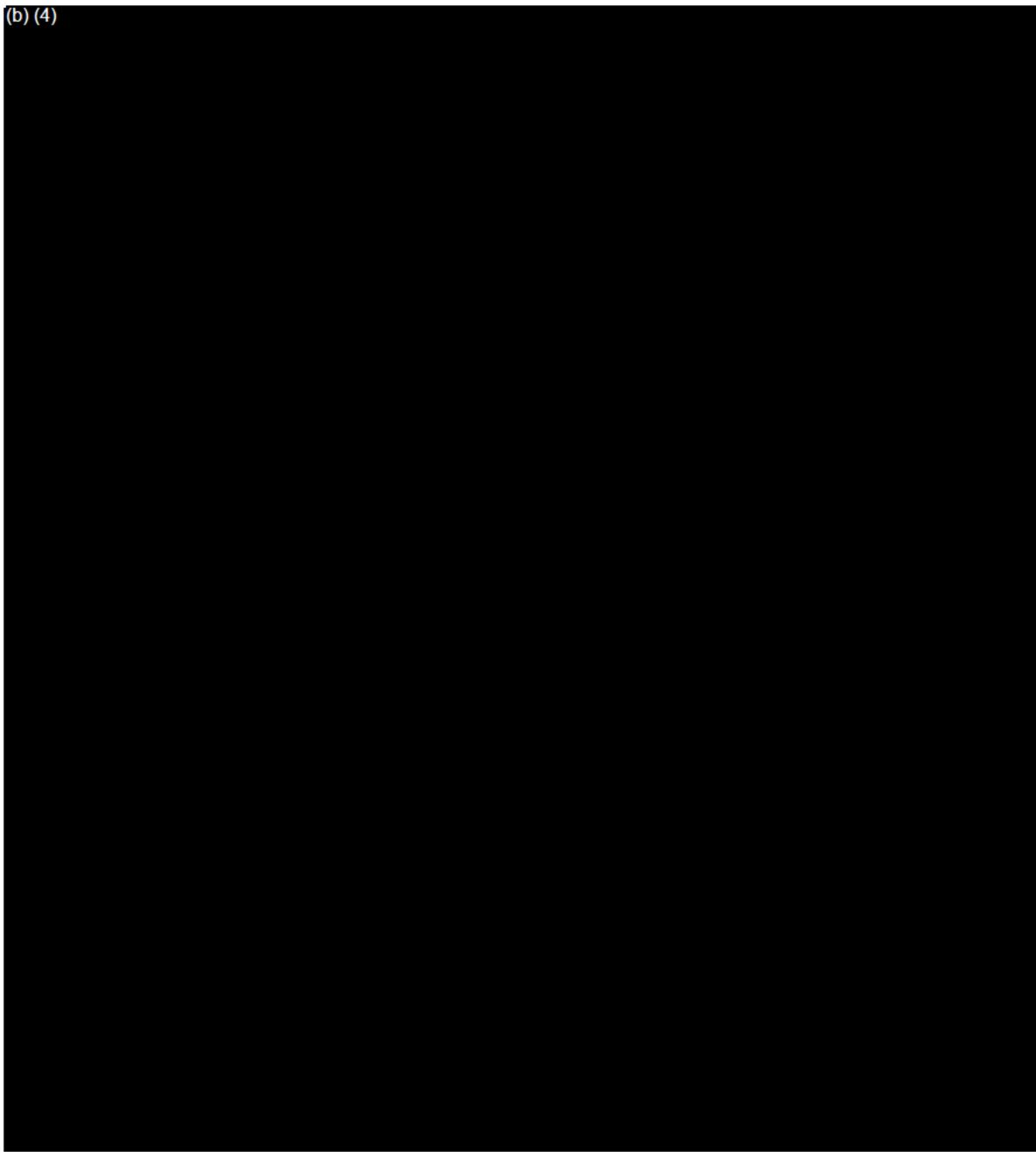
(b) (4)



THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE, CORRECT. THE DATA OUTLINED AND THE STATEMENTS MADE ARE INTENDED AS A SOURCE OF INFORMATION.

CERTIFICATE OF ANALYSIS

(b) (4)



THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE, CORRECT. THE DATA OUTLINED AND THE STATEMENTS MADE ARE INTENDED AS A SOURCE OF INFORMATION



Bowman Gray Technical Center
950 Reynolds Boulevard
Winston-Salem, NC 27106
(336) 741-1536

CERTIFICATE OF ANALYSIS

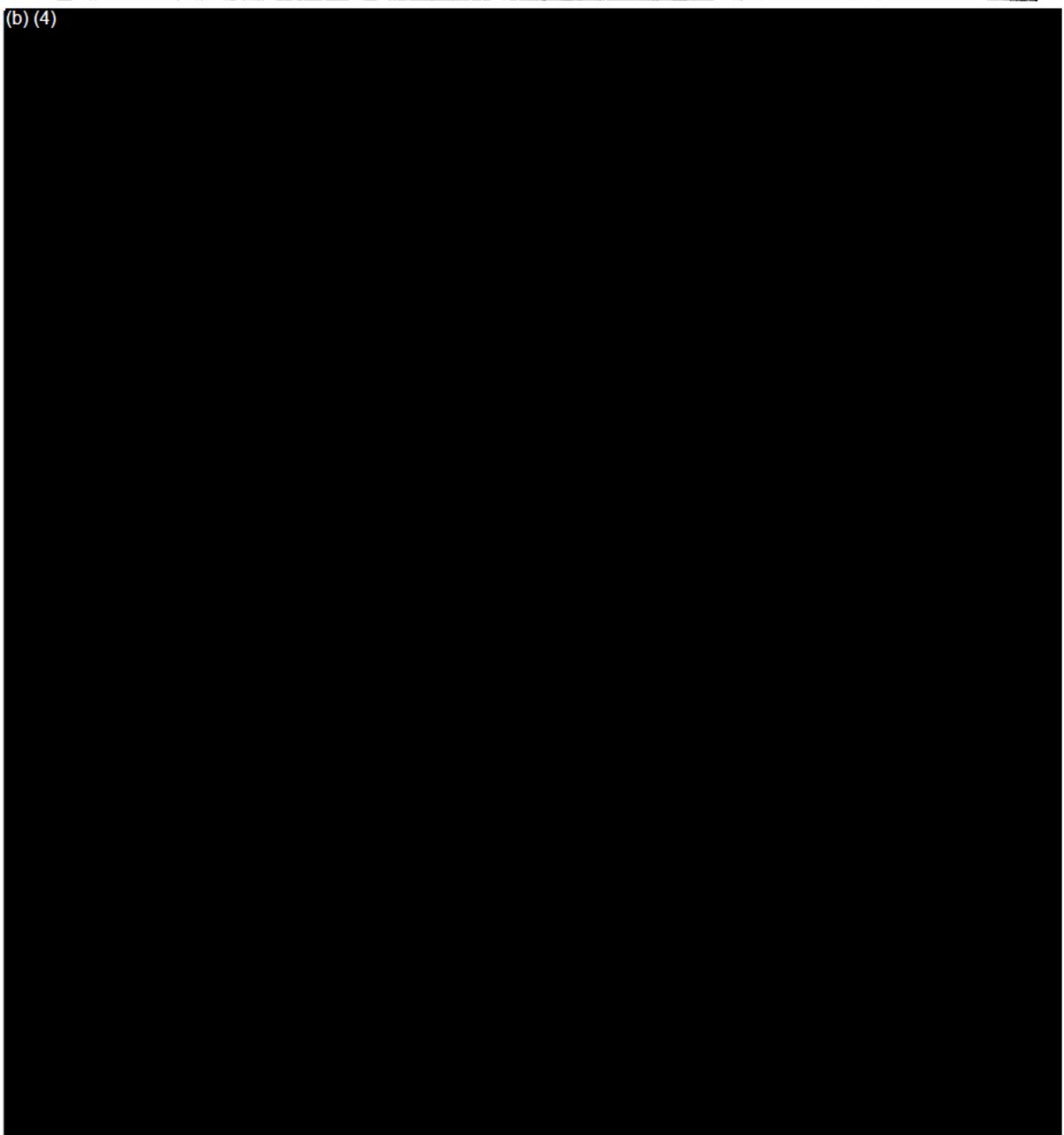
(b) (4)



THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE, CORRECT. THE DATA OUTLINED AND THE STATEMENTS MADE ARE INTENDED AS A SOURCE OF INFORMATION.

CERTIFICATE OF ANALYSIS

(b) (4)



THE INFORMATION CONTAINED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE, CORRECT. THE DATA OUTLINED AND THE STATEMENTS MADE ARE INTENDED AS A SOURCE OF INFORMATION.

Certificate Of Analysis

Page 1 of 1

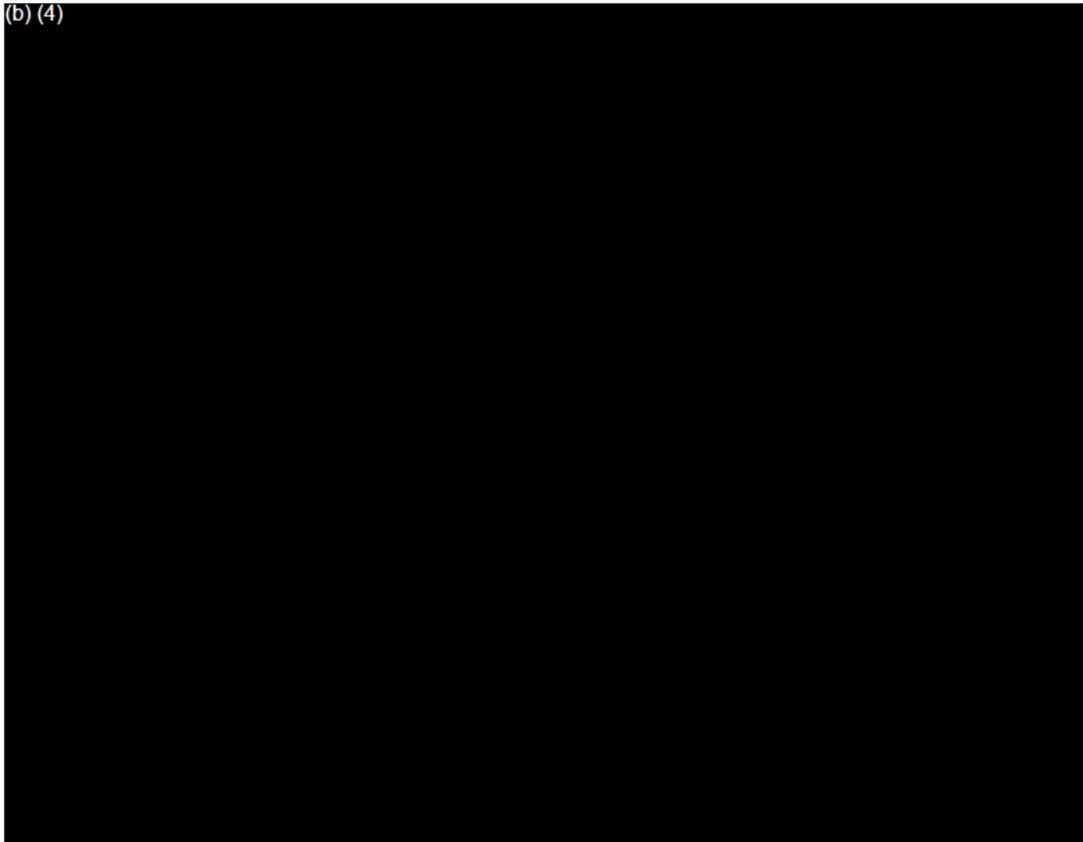
CN49730D



SIGMA-ALDRICH

Certificate of Analysis

(b) (4)



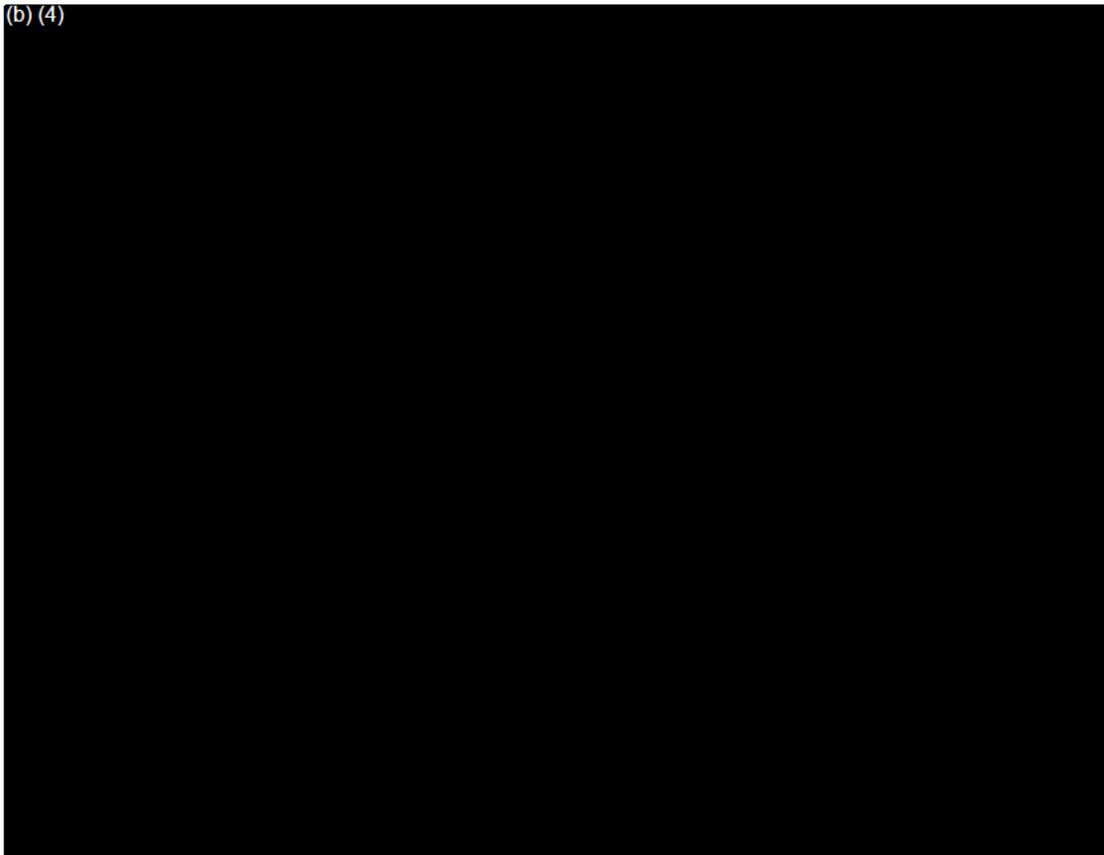
**RJRT Summary of
Initial Test Article Characterization and
Stability Data**

**Smokeless Tobacco and Extract
Feeding Studies**

8/27/08

Summary

(b) (4)



Test article characterization

Test design

Analyses were planned for 2008, 2009, 2010, and 2011 to span the full length of the toxicology studies and to determine the evolution of the measured endpoints for the test articles with time.

The test article characterization study had 2 main components:

- 1) Chemical analyses conducted at
 - a. RJRT
 - b. Labstat
 - c. Microbac
- 2) Microbial analyses conducted at
 - a. RJRT
 - b. Trilogy

The chemical and microbiological test article characterization and stability studies were designed to analyze various chemicals of interest and microbiological endpoints to determine the evolution of the test articles over time. The chemistry endpoints that were planned to be measured are presented in Table 1.

Table 1. Chemistry endpoints by evaluation site

Analyte	Site
pH	RJRT
% Dry matter	RJRT
% Moisture/water	RJRT
Nicotine	RJRT
Nornicotine	RJRT
Anabasine	RJRT
Myosamine	RJRT
Anatabine	RJRT
N'-Nitrosornicotine (NNN)	RJRT
4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone (NNK)	RJRT
N'-nitrosoanatabine (NAT)	RJRT
N'-nitrosoanabasine (NAB)	RJRT
Chloride	RJRT
Sugars (sucrose, fructose, glucose)	RJRT
Ammonia	RJRT
Hydroquinone	RJRT
Catechol	RJRT
Phenol	RJRT
M+p-Cresol	RJRT
Arsenic	RJRT
Cadmium	RJRT
Chromium	RJRT
Nickel	RJRT
Lead	RJRT
Formaldehyde	Labstat
Acrolein	Labstat
Benzo[a]pyrene	Labstat
Benzo[a]anthracene	Labstat
Benzo[b]fluoranthene	Labstat
Benzo[j] fluoranthene	Labstat
Benzo[k]fluranthene	Labstat
Dibenz[a,h]anthracene	Labstat
Indeno[1,2,3-cd]pyrene	Labstat
Fluorene	Labstat
Acenaphthylene	Labstat
Fluoranthene	Labstat
Acenaphthene	Labstat
Naphthalene	Labstat
Chrysene	Labstat

Analyte	Site
N-Nitrosodimethylamine (NDMA)	Labstat
N-Nitrosoethylmethylamine (NEMA)	Labstat
N-Nitrosopyrrolidine (NPYR)	Labstat
N-Nitrosodimethylpropylamine (NDPA)	Labstat
N-nitrosodimethylethylsmine (NDEA)	Labstat
N-Nitrosodimethylbutylamine (NDBA)	Labstat
N-Nitrosopiperidine (NPIP)	Labstat
Nitrite	Labstat
Organochlorines	Microbac
Organophosphates	Microbac
Maleic hydrazide	Microbac
Dithiocarbamates (reported as mancozeb)	Microbac
N-methylcarbamates	Microbac
N-containing pesticides	Microbac
Herbicides	Microbac

The microbiological endpoints planned to be measured are presented in Table 2.

Table 2. Microbial endpoints by evaluation site

Endpoint	Site
Total bacteria	RJRT
Enteric bacteria (coliforms)	RJRT
Total yeast	RJRT
Total mold	RJRT
Water activity	RJRT
<i>Escherichia coli</i> type I	RJRT
<i>Streptococcus faecalis</i>	RJRT
<i>Thermophilic actinomycetes</i>	RJRT
<i>Aspergillus fumigatus</i> and other yeast/mold	RJRT
<i>Staphylococcus sp.</i> including <i>aureus</i>	RJRT
<i>Klebsiella spp.</i>	RJRT
<i>Salmonella</i>	RJRT
Aflatoxin B1	Trilogy
Aflatoxin B2	Trilogy
Aflatoxin G1	Trilogy
Aflatoxin G2	Trilogy
Ochratoxin A	Trilogy
T-2 toxin	Trilogy
Zearelenone	Trilogy
Sterigmatocystin	Trilogy
Deoxynivalenol	Trilogy
Diacetoxyscirpenol	Trilogy

For microbiological measurements, periodic samples were planned to be analyzed to construct a time course analysis. The frequency of measurement was planned to be

monthly or bimonthly for the first 6 months and once per quarter or biannually throughout the study (to be determined based on first 6 months of data). Microbial toxins were planned to be measured initially and yearly thereafter.

Besides the chemistry and microbiology core study plan, there were two additional studies. The first was to obtain 1-month stability data on a subset of key compounds (e.g., nicotine). The second was to obtain additional data on the blend. Due to the fact that the blend had to be ground finer to obtain homogenous diet mixtures for the animal studies, an additional analysis (measuring the same compounds of toxicological interest as for the original test articles) was conducted to demonstrate that the ground and non-ground blends were chemically equivalent.

Where appropriate, an additional reference smokeless tobacco (2S3, moist snuff) was included. The inclusion of this reference tobacco was designed mainly to help ensure that the methods used were working as expected.

Initial test article characterization Results summary: March-July 2008

1) Chemistry results

a) RJRT analyses

Full production test article characterization (initial time point)

The test articles were produced for toxicology testing in March 2008. Analyses were conducted on these samples between March and July 2008. The storage conditions were initially room temperature for the blend and $<0^{\circ}\text{C}$ for the extract. Subsequently, the blend was stored at $<4^{\circ}\text{C}$ in cold storage and the extract continued to be stored frozen ($<0^{\circ}\text{C}$). The test articles were transported to the contract toxicology laboratory under frozen conditions ($<-10^{\circ}\text{C}$) and they were subsequently stored frozen at the contract laboratory ($<-15^{\circ}\text{C}$).

For the initial test article characterization (full production batch, GN75387), the set of analytes measured at RJRT indicated that the trend was $E \leq B$ (Table 3), except for glucose and catechol, where $E > B$. The trend was not as consistent for the B or E vs. reference (2S3, R) comparisons. For the available values, the analyte levels measured for the 2S3 reference indicated that the methods worked as expected.

P-values comparing all three samples were adjusted to control for multiple comparisons using the Bonferroni method, with $p < 0.05$ required for statistical significance. Small differences are significant in some cases because of small variation among replicates.

Table 3. RJRT analyses-full production test articles (blend, extract) and reference

<i>Analyte, Measurement unit</i>	<i>Test Articles</i>			<i>Comparisons</i>			<i>Ranking</i>
	<i>2S3 (R)</i>	<i>Blend (B)</i>	<i>Extract (E)</i>	<i>R vs. B</i>	<i>R vs. E</i>	<i>B vs. E</i>	
Total Solids, %			37.8	NA	NA	NA	NA
pH	7.32	5.45	5.19	B < R	E < R	E < B	E < B < R
Moisture, %	53.7	10.1		B < R	NA	NA	B < R
Nicotine, mg/g	15.1	26.3	23.0	R < B	R < E	E < B	R < E < B
Nicotine (colorimetric), %		2.57	2.40		NA	NA	NA
Nicotine, %	1.51	2.63	2.30	R < B	R < E	E < B	R < E < B
Normicotine, %	<0.010	0.068	0.057	R < B	R < E	E < B	R < E < B
Myosmine, %	0.0010	0.0015	0.0010	NA	NA	NA	NA
Anabasine, %	0.003	0.010	0.009	R < B	R < E	E < B	R < E < B
Anatabine, %	0.024	0.065	0.056	R < B	R < E	E < B	R < E < B
Total Alkaloids, %	<1.55	2.77	2.42	R < B	R < E	E < B	R < E < B
2 nd Total Alkaloids, %	<0.038	0.15	0.12	R < B	R < E	E < B	R < E < B
Fructose, %	0.16	1.01	0.96	R < B	R < E	E < B	R < E < B
Sucrose, %	<0.10	0.19	<0.08	R < B	NA	E < B	R, E < B
Glucose, %	<0.10	0.29	0.37	R < B	R < E	B < E	R < B < E
Ammonia, %	0.27	0.30	0.26	R < B	NS	E < B	R, E < B
Chloride, %	5.53	2.71	2.55	B < R	E < R	E < B	E < B < R
Hydroquinone, µg/g	BDL	BDL	BDL	NA	NA	NA	NA
Catechol, µg/g	12.30	14.42	21.06	R < B	R < E	B < E	R < B < E
Phenol, µg/g	5.35	BDL	BDL	B < R	E < R	NA	B, E < R
p,m-Cresol, µg/g	7.98	BDL	BDL	B < R	E < R	NA	B, E < R
NNN, µg/g	1.57	1.02	1.00	B < R	E < R	NS	B, E < R
NNK, µg/g	0.43	0.40	0.36	NS	NS	NS	NS
NAT, µg/g	1.09	0.68	0.68	B < R	E < R	NS	B, E < R
NAB, µg/g	<0.43	<0.43	<0.49	NA	NA	NA	NS
Arsenic, µg/g	0.252	0.308	0.111	R < B	E < R	E < B	E < R < B
Cadmium, µg/g	0.77	0.74	0.30	B < R	E < R	E < B	E < B < R
Chromium, µg/g	0.44	0.71	0.23	R < B	E < R	E < B	E < R < B
Lead, µg/g	0.220	0.283	0.065	R < B	E < R	E < B	E < R < B
Nickel, µg/g	1.38	1.89	0.99	R < B	E < R	E < B	E < R < B

< indicates <LOD except for cumulative endpoints like total alkaloids, where at least one component of the sum was <LOD (e.g., normicotine)

NA indicates non-applicable cases (e.g., only one replicate run such as nicotine, colorimetric assay; no significance test could be conducted for SD=0; comparisons of means with <LOD results)

NS indicates not statistically significant

b) Labstat analyses

The results for the analytes measured in the test articles and 2S3 reference (R) of the initial test article characterization work (2008 analysis) are presented in Table 4. The general trend for measured analytes is as follows: E < B < R. It is noteworthy that many PAHs are present at much lower levels in the blend and extract than in the reference tobacco.

Table 4. Labstat analyses-full test article production: blend, extract, and reference

Analyte, Measurement unit	Mean SD	Test Articles			Comparisons (% difference)			Ranking
		2S3 (R)	Blend (B)	Extract (E)	B vs. R	E vs. R	E vs. B	
Formaldehyde, µg/g	Mean SD	0.860 0.144	0.309 0.071	0.023 0.002	-64.0	-97.3	-92.4	E < B < R
Acrolein, µg/g	Mean SD	<0.016 0.000	<0.008 0.000	<0.001 0.000	NA	NA	NA	NA
Nitrite, µg/g	Mean SD	9.182 2.167	2.808 0.000	* 0.125 0.000	-69.4	-98.6	-95.5	E < B < R
NDMA, ng/g	Mean SD	* 7.553 1.745	* 2.835 0.000	<0.071 0.000	NA	-99.1	-97.5	E < B, R
NPYR, ng/g	Mean SD	* 7.213 0.000	* 4.010 0.000	* 0.216 0.000	NA	NA	-94.6	E < B < R
NEMA, ng/g	Mean SD	<2.980 0.000	<1.510 0.745	<0.081 0.000	NA	NA	NA	NA
NDEA, ng/g	Mean SD	<3.080 0.000	* 1.864 0.000	<0.084 0.000	NA	NA	NA	NA
NDPA, ng/g	Mean SD	<3.330 0.000	<1.690 0.000	<0.091 0.000	NA	NA	NA	NA
NDBA, ng/g	Mean SD	<4.650 0.000	<2.360 0.000	<0.127 0.000	NA	NA	NA	NA
NPIP, ng/g	Mean SD	<5.040 0.378	<2.560 0.089	<0.137 0.051	NA	NA	NA	NA
Naphthalene, ng/g	Mean SD	80.257 20.285	28.462 4.634	4.289 1.243	-64.5	-94.7	-84.9	E < B < R
Acenaphthylene, ng/g	Mean SD	58.486 7.660	2.003 0.247	0.074 0.008	-96.6	-99.9	-96.3	E < B < R
Acenaphthene, ng/g	Mean SD	77.822 11.786	5.960 0.625	0.723 0.207	-92.3	-99.1	-87.9	E < B < R
Fluorene, ng/g	Mean SD	495.400 53.837	8.973 0.933	0.409 0.076	-98.2	-99.9	-95.4	E < B < R
Phenanthrene, ^{&} ng/g	Mean SD	4747.210 268.135	65.110 8.068	2.760 0.586	-98.6	-99.9	-95.8	E < B < R
Fluoranthene, ng/g	Mean SD	1806.850 55.967	44.870 4.987	2.950 0.329	-97.5	-99.8	-93.4	E < B < R
Pyrene, ^{&} ng/g	Mean SD	1750.400 53.727	32.170 4.879	2.340 0.415	-98.2	-99.9	-92.7	E < B < R
Benzo(a)anthracene, ^{&} ng/g	Mean SD	343.677 17.607	4.041 0.691	0.290 0.053	-98.8	-99.9	-92.8	E < B < R
Chrysene, ng/g	Mean SD	496.849 21.811	10.707 1.381	0.947 0.119	-97.8	-99.8	-91.2	E < B < R
Benzo(b)fluoranthene, ng/g	Mean SD	77.915 4.635	2.983 0.273	0.276 0.030	-96.2	-99.6	-90.7	E < B < R
Benzo(k)fluoranthene, ng/g	Mean SD	27.482 2.343	1.536 0.128	0.137 0.029	-94.4	-99.5	-91.1	E < B < R
Benzo(j)fluoranthene, ng/g	Mean SD	38.042 1.997	1.792 0.151	0.176 0.029	-95.3	-99.5	-90.2	E < B < R
Benzo(e)pyrene, ^{&} ng/g	Mean SD	69.059 3.814	2.102 0.203	0.211 0.023	-97.0	-99.7	-90.0	E < B < R

Analyte, Measurement unit	Mean SD	Test Articles			Comparisons (% difference)			Ranking
		2S3 (R)	Blend (B)	Extract (E)	B vs. R	E vs. R	E vs. B	
Benzo(a)pyrene, ng/g	Mean SD	62.696 4.234	1.599 0.228	0.140 0.020	-97.5	-99.8	-91.2	E < B < R
Perylene, ^{&} ng/g	Mean SD	8.572 1.608	* 0.172 0.000	0.031 0.005	-98.0	-99.6	-81.9	E < B < R
Indeno(1,2,3,-cd)pyrene, ng/g	Mean SD	25.273 2.102	1.362 0.218	0.120 0.017	-94.6	-99.5	-91.2	E < B < R
Dibenz(a,h)anthracene, ng/g	Mean SD	7.131 1.324	* 0.310 0.104	* 0.033 0.013	-95.7	-99.5	-89.3	E < B < R
Benzo(g,h,i)perylene, ^{&} ng/g	Mean SD	27.156 2.003	1.612 0.256	0.170 0.024	-94.1	-99.4	-89.4	E < B < R
Dry Matter, %	Mean SD	45.462 0.057	89.589 0.071		97.1			R < B
Moisture, %	Mean SD	54.538 0.057	10.411 0.071		-80.9			B < R

< indicates all LOD values; * indicates some LOQ values, with midpoint value assigned

& indicates additional analytes not requested to be measured but measured and, therefore, reported

For the available values, the analyte levels measured for the 2S3 reference indicated that the methods worked as expected.

c) Microbac analyses

The following pesticides were measured (GN75387AB-blend, AC-extract): alachlor, aldrin, benfluralin, bifenthrin, butralin, camphechlor, captan, chinomethionate, chlordane, chlorothalonil, cyfluthrin, λ -cyhalothrin, cypermethrin, o,p-DDD, p,p-DDD, o,p-DDE, o,p-DDT, p,p-DDT, deltamethrin, dichloran, dieldrin, dinocap, endosulfan I, endosulfan II, endosulfan SO₄, endrin, esfenvalerate, fenvalerate, flucytrinate, flumetralin, folpet, α -HCH, β -HCH, δ -HCH, heptachlor, heptachlor epoxide, hexachlorobenzene, isopropalin, lindane (γ -HCH), methoxychlor, nitrofen, pendimethalin, permethrin, pyrethrins, trifluralin, EBDC (as mancozeb), maleic hydrazide, acephate, ethyl azinphos, methyl azinphos, methyl bromophos, chlorfenvinphos, chlorpyrifos, S-methyl demeton, diazinon, dichlorvos, dimefox, dimethoate, disulfoton, disulfoton sulfone, disulfoton sulfoxide, ethoprophos, fenamiphos, fenamiphos sulfoxide, fenamiphos sulfone, fenchlorphos, fenitrothion, fensulfthion, fenthion, fenthion sulfone, fenthion sulfoxide, fenophos, formothion, malathion, methamidophos, methidathion, mevinphos, monocrotophos, naled, parathion, methyl parathion, phorate, phosalone, phosphamidon, phoxim, methyl pirimiphos, profenofos, trebufos, trebufos sulfone, trebufos sulfoxide, tetrachlorvinphos, thionazin, trichlorfon, vamidothion, vamidothion sulfoxide, dicamba, 2,4-D, 2,4,5-T, aldicarb, aldicarb sulfone, aldicarb sulfoxide, benalaxyl, butylate, carbaryl, carbofuran, clomazone, diflubenzuron, dimethomorph, diphenamid, ethiofencarb, ethiofencarb sulfone, ethiofencarb sulfoxide, 3-hydroxycarbofuran, metalaxyl, methiocarb, methiocarb sulfone, methiocarb sulfoxide, methomyl, 1-naphthol, oxadixyl, oxamyl, pebulate, piperonyl butoxide, pirimicarb, and propoxur.

With the exception of metalaxyl and butralin, all measured pesticides were below the limit of quantitation. However, based on mouse and rat-specific toxicology data and

exposure assessments, the presence of these two pesticides at such low levels in the tobacco test articles is not expected to contribute in any substantial way to subchronic/chronic toxicity in rats and mice in the feeding studies.

2) Microbiology results

a) RJRT microbial analyses

Figures 1 and 2 indicate the progress of the irradiated test articles with time in terms of microbial endpoints (for the initial samples stored under RJRT conditions at -7°C). Except for total bacterial counts and water activity (which showed changes from the beginning of the study to month 3), there were no other targeted organisms detected at month 3. By month 3, total bacterial counts were slightly increased for the blend and decreased for the extract. However, the water activity for the blend was still below the level where significant growth would be expected, and, although there was a slight increase in the total bacterial counts for the blend, the average values are still within acceptable limits.

Figure 1. Total bacterial counts (RJRT samples)

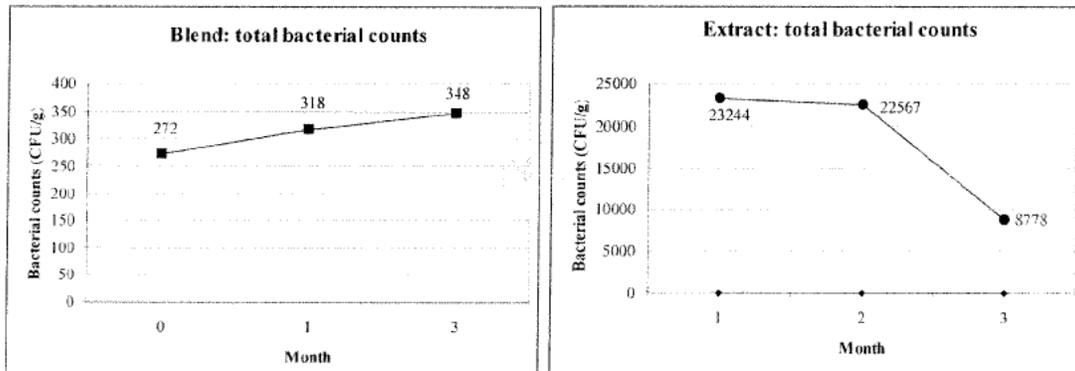
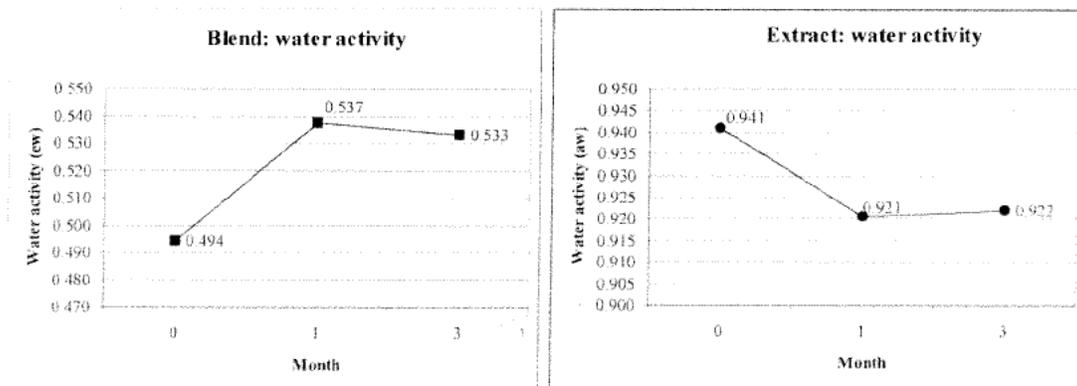


Figure 2. Water activity (RJRT samples)



b) Trilogy toxin analyses

Test articles were tested in April-May 2008 to determine the presence of toxins. No toxins were detected in the blend or extract except for Ochratoxin A. The presence of Ochratoxin A was confirmed by repeating the analysis. However, based on mouse and rat-specific toxicology data and exposure assessments, the presence of Ochratoxin A at such low levels would not be expected to induce Ochratoxin-specific toxicity in the rat and mouse feeding studies.

3) Additional analyses

a) 1-Month stability study: March vs. April 2008 analysis (effects of storage conditions on chemistry endpoints)

A 1-month stability study was conducted using an abbreviated list of compounds to obtain a preliminary read on the stability of key analytes under applicable storage conditions (GN76582). Results from this analysis are presented in Table 5.

Table 5. Test article 1-month stability data (abbreviated analyte list)

Analyte, Measurement unit	2S3			Blend			Extract		
	March	April	April vs. March	March	April	April vs. March	March	April	April vs. March
pH	7.32	7.28	-0.6%	5.45	5.34	-1.9%	5.19	5.45	5.1%
Moisture, %	53.71	54.12	0.8%	10.10	10.06	NS			
Nicotine, mg/g	15.15	15.13	NS	26.28	26.66	NS	22.99	22.80	NS
Nicotine, %	1.51	1.51	NS	2.63	2.67	NS	2.30	2.28	NS
Nornicotine, %	<0.010	0.016	NS	0.068	0.065	NS	0.057	0.055	NS
Myosmine, %	0.001	<0.001	NS	0.002	0.001	NS	0.001	0.001	NS
Anabasine, %	0.003	0.005	NS	0.010	0.011	NS	0.009	0.009	NS
Anatabine, %	0.024	0.026	NS	0.065	0.071	NS	0.056	0.058	NS
Total Alkaloids, %	<1.55	<1.56	NA	2.77	2.81	NS	2.42	2.40	NS
2 nd Total Alkaloids, %	<0.038	<0.049	NA	0.145	0.148	NS	0.123	0.122	NS
Fructose, %	0.16	0.13	NS	1.01	1.29	NS	0.96	1.21	NS
Sucrose, %	<0.10	<0.10	NA	0.19	<0.10	NS	<0.08	<0.09	NA
Glucose, %	<0.10	<0.10	NA	0.29	0.35	NS	0.37	0.38	NS
NNN, µg/g	1.57	1.68	NS	1.02	1.25	NS	1.00	1.02	NS
NNK, µg/g	0.43	0.43	NS	0.40	0.62	NS	0.36	0.39	NS
NAT, µg/g	1.09	1.13	NS	0.68	0.84	NS	0.68	0.69	NS
NAB, µg/g	<0.43	<0.42	NA	<0.43	<0.44	NA	<0.49	<0.49	NA
Total Solids, %							37.76	37.17	-1.6%

NA indicates comparisons of means that include only <LOD values (not applicable)

NS indicates not statistically significant

(b) (4)

(b) (4)

For the available values, the analyte levels measured for the 2S3 reference indicated that the methods worked as expected. Overall, these results confirm the stability of the test articles and 2S3 reference during the one month analysis period. This is directly applicable to the formulation regimen employed in the rat and mouse feeding studies.

b) Blend ground vs. non-ground (effects of grinding on chemistry endpoints)

Due to the fact that the blend-diet mixes were not sufficiently homogenous, the blend had to be ground further to achieve a smaller particle size. An additional study was designed to demonstrate that the non-ground and ground blends are equivalent in terms of the analytes selected for analyses (GN77727). Tables 6 and 7 summarize the results from these analyses.

Table 6. Blend ground and non-ground (RJRT data)

Analyte	Mean SD	Test Articles			Comparisons (% Difference)																																																																																																																																														
		Ground	Non-ground	2S3	Ground vs. Non-Ground	Ground vs. 2S3	Non-Ground vs. 2S3																																																																																																																																												
Ammonia, %	Mean	0.282	0.287	0.253	NS	11.2	13.2																																																																																																																																												
	SD	0.004	0.005	0.005				pH	Mean	5.37	5.39	7.33	-0.2	-26.7	-26.5	SD	0.008	0.005	0.008	Moisture, %	Mean	9.37	9.30	52.50	NS	-82.1	-82.3	SD	0.038	0.102	0.228	Total Alkaloids, %	Mean	2.96	2.90	<1.56	2.1	90.3	86.5	SD	0.038	0.043	0.016	Secondary Alkaloids, %	Mean	0.163	0.162	<0.053	NS	208.2	206.0	SD	0.002	0.003	0.001	Nicotine, %	Mean	2.80	2.74	1.50	NS	86.2	82.3	SD	0.037	0.042	0.016	Normicotine, %	Mean	0.074	0.074	0.018	NS	315.2	317.1	SD	0.001	0.002	0.001	Myosmine, %	Mean	0.002	0.002	<0.001	NS	NS	NS	SD	0.000	0.000	0.000	Anabasine, %	Mean	0.012	0.012	0.006	NS	111.8	107.1	SD	0.001	0.000	0.000	Anatabine, %	Mean	0.075	0.074	0.028	NS	164.8	161.4	SD	0.001	0.002	0.000	Nicotine, mg/g	Mean	28.0	27.4	15.0	NS	86.2	82.3	SD	0.37	0.42	0.17	Chloride, %	Mean	2.53	2.56	5.50	NS	-53.9	-53.4	SD	0.004	0.035	0.024	NNN, µg/g	Mean	1.46	1.38	1.61	NS	NS	NS
pH	Mean	5.37	5.39	7.33	-0.2	-26.7	-26.5																																																																																																																																												
	SD	0.008	0.005	0.008				Moisture, %	Mean	9.37	9.30	52.50	NS	-82.1	-82.3	SD	0.038	0.102	0.228	Total Alkaloids, %	Mean	2.96	2.90	<1.56	2.1	90.3	86.5	SD	0.038	0.043	0.016	Secondary Alkaloids, %	Mean	0.163	0.162	<0.053	NS	208.2	206.0	SD	0.002	0.003	0.001	Nicotine, %	Mean	2.80	2.74	1.50	NS	86.2	82.3	SD	0.037	0.042	0.016	Normicotine, %	Mean	0.074	0.074	0.018	NS	315.2	317.1	SD	0.001	0.002	0.001	Myosmine, %	Mean	0.002	0.002	<0.001	NS	NS	NS	SD	0.000	0.000	0.000	Anabasine, %	Mean	0.012	0.012	0.006	NS	111.8	107.1	SD	0.001	0.000	0.000	Anatabine, %	Mean	0.075	0.074	0.028	NS	164.8	161.4	SD	0.001	0.002	0.000	Nicotine, mg/g	Mean	28.0	27.4	15.0	NS	86.2	82.3	SD	0.37	0.42	0.17	Chloride, %	Mean	2.53	2.56	5.50	NS	-53.9	-53.4	SD	0.004	0.035	0.024	NNN, µg/g	Mean	1.46	1.38	1.61	NS	NS	NS	SD											
Moisture, %	Mean	9.37	9.30	52.50	NS	-82.1	-82.3																																																																																																																																												
	SD	0.038	0.102	0.228				Total Alkaloids, %	Mean	2.96	2.90	<1.56	2.1	90.3	86.5	SD	0.038	0.043	0.016	Secondary Alkaloids, %	Mean	0.163	0.162	<0.053	NS	208.2	206.0	SD	0.002	0.003	0.001	Nicotine, %	Mean	2.80	2.74	1.50	NS	86.2	82.3	SD	0.037	0.042	0.016	Normicotine, %	Mean	0.074	0.074	0.018	NS	315.2	317.1	SD	0.001	0.002	0.001	Myosmine, %	Mean	0.002	0.002	<0.001	NS	NS	NS	SD	0.000	0.000	0.000	Anabasine, %	Mean	0.012	0.012	0.006	NS	111.8	107.1	SD	0.001	0.000	0.000	Anatabine, %	Mean	0.075	0.074	0.028	NS	164.8	161.4	SD	0.001	0.002	0.000	Nicotine, mg/g	Mean	28.0	27.4	15.0	NS	86.2	82.3	SD	0.37	0.42	0.17	Chloride, %	Mean	2.53	2.56	5.50	NS	-53.9	-53.4	SD	0.004	0.035	0.024	NNN, µg/g	Mean	1.46	1.38	1.61	NS	NS	NS	SD																							
Total Alkaloids, %	Mean	2.96	2.90	<1.56	2.1	90.3	86.5																																																																																																																																												
	SD	0.038	0.043	0.016				Secondary Alkaloids, %	Mean	0.163	0.162	<0.053	NS	208.2	206.0	SD	0.002	0.003	0.001	Nicotine, %	Mean	2.80	2.74	1.50	NS	86.2	82.3	SD	0.037	0.042	0.016	Normicotine, %	Mean	0.074	0.074	0.018	NS	315.2	317.1	SD	0.001	0.002	0.001	Myosmine, %	Mean	0.002	0.002	<0.001	NS	NS	NS	SD	0.000	0.000	0.000	Anabasine, %	Mean	0.012	0.012	0.006	NS	111.8	107.1	SD	0.001	0.000	0.000	Anatabine, %	Mean	0.075	0.074	0.028	NS	164.8	161.4	SD	0.001	0.002	0.000	Nicotine, mg/g	Mean	28.0	27.4	15.0	NS	86.2	82.3	SD	0.37	0.42	0.17	Chloride, %	Mean	2.53	2.56	5.50	NS	-53.9	-53.4	SD	0.004	0.035	0.024	NNN, µg/g	Mean	1.46	1.38	1.61	NS	NS	NS	SD																																			
Secondary Alkaloids, %	Mean	0.163	0.162	<0.053	NS	208.2	206.0																																																																																																																																												
	SD	0.002	0.003	0.001				Nicotine, %	Mean	2.80	2.74	1.50	NS	86.2	82.3	SD	0.037	0.042	0.016	Normicotine, %	Mean	0.074	0.074	0.018	NS	315.2	317.1	SD	0.001	0.002	0.001	Myosmine, %	Mean	0.002	0.002	<0.001	NS	NS	NS	SD	0.000	0.000	0.000	Anabasine, %	Mean	0.012	0.012	0.006	NS	111.8	107.1	SD	0.001	0.000	0.000	Anatabine, %	Mean	0.075	0.074	0.028	NS	164.8	161.4	SD	0.001	0.002	0.000	Nicotine, mg/g	Mean	28.0	27.4	15.0	NS	86.2	82.3	SD	0.37	0.42	0.17	Chloride, %	Mean	2.53	2.56	5.50	NS	-53.9	-53.4	SD	0.004	0.035	0.024	NNN, µg/g	Mean	1.46	1.38	1.61	NS	NS	NS	SD																																															
Nicotine, %	Mean	2.80	2.74	1.50	NS	86.2	82.3																																																																																																																																												
	SD	0.037	0.042	0.016				Normicotine, %	Mean	0.074	0.074	0.018	NS	315.2	317.1	SD	0.001	0.002	0.001	Myosmine, %	Mean	0.002	0.002	<0.001	NS	NS	NS	SD	0.000	0.000	0.000	Anabasine, %	Mean	0.012	0.012	0.006	NS	111.8	107.1	SD	0.001	0.000	0.000	Anatabine, %	Mean	0.075	0.074	0.028	NS	164.8	161.4	SD	0.001	0.002	0.000	Nicotine, mg/g	Mean	28.0	27.4	15.0	NS	86.2	82.3	SD	0.37	0.42	0.17	Chloride, %	Mean	2.53	2.56	5.50	NS	-53.9	-53.4	SD	0.004	0.035	0.024	NNN, µg/g	Mean	1.46	1.38	1.61	NS	NS	NS	SD																																																											
Normicotine, %	Mean	0.074	0.074	0.018	NS	315.2	317.1																																																																																																																																												
	SD	0.001	0.002	0.001				Myosmine, %	Mean	0.002	0.002	<0.001	NS	NS	NS	SD	0.000	0.000	0.000	Anabasine, %	Mean	0.012	0.012	0.006	NS	111.8	107.1	SD	0.001	0.000	0.000	Anatabine, %	Mean	0.075	0.074	0.028	NS	164.8	161.4	SD	0.001	0.002	0.000	Nicotine, mg/g	Mean	28.0	27.4	15.0	NS	86.2	82.3	SD	0.37	0.42	0.17	Chloride, %	Mean	2.53	2.56	5.50	NS	-53.9	-53.4	SD	0.004	0.035	0.024	NNN, µg/g	Mean	1.46	1.38	1.61	NS	NS	NS	SD																																																																							
Myosmine, %	Mean	0.002	0.002	<0.001	NS	NS	NS																																																																																																																																												
	SD	0.000	0.000	0.000				Anabasine, %	Mean	0.012	0.012	0.006	NS	111.8	107.1	SD	0.001	0.000	0.000	Anatabine, %	Mean	0.075	0.074	0.028	NS	164.8	161.4	SD	0.001	0.002	0.000	Nicotine, mg/g	Mean	28.0	27.4	15.0	NS	86.2	82.3	SD	0.37	0.42	0.17	Chloride, %	Mean	2.53	2.56	5.50	NS	-53.9	-53.4	SD	0.004	0.035	0.024	NNN, µg/g	Mean	1.46	1.38	1.61	NS	NS	NS	SD																																																																																			
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	SD	0.001	0.000	0.000				Anatabine, %	Mean	0.075	0.074	0.028	NS	164.8	161.4	SD	0.001	0.002	0.000	Nicotine, mg/g	Mean	28.0	27.4	15.0	NS	86.2	82.3	SD	0.37	0.42	0.17	Chloride, %	Mean	2.53	2.56	5.50	NS	-53.9	-53.4	SD	0.004	0.035	0.024	NNN, µg/g	Mean	1.46	1.38	1.61	NS	NS	NS	SD																																																																																															
Anatabine, %	Mean	0.075	0.074	0.028	NS	164.8	161.4																																																																																																																																												
	SD	0.001	0.002	0.000				Nicotine, mg/g	Mean	28.0	27.4	15.0	NS	86.2	82.3	SD	0.37	0.42	0.17	Chloride, %	Mean	2.53	2.56	5.50	NS	-53.9	-53.4	SD	0.004	0.035	0.024	NNN, µg/g	Mean	1.46	1.38	1.61	NS	NS	NS	SD																																																																																																											
Nicotine, mg/g	Mean	28.0	27.4	15.0	NS	86.2	82.3																																																																																																																																												
	SD	0.37	0.42	0.17				Chloride, %	Mean	2.53	2.56	5.50	NS	-53.9	-53.4	SD	0.004	0.035	0.024	NNN, µg/g	Mean	1.46	1.38	1.61	NS	NS	NS	SD																																																																																																																							
Chloride, %	Mean	2.53	2.56	5.50	NS	-53.9	-53.4																																																																																																																																												
	SD	0.004	0.035	0.024				NNN, µg/g	Mean	1.46	1.38	1.61	NS	NS	NS	SD																																																																																																																																			
NNN, µg/g	Mean	1.46	1.38	1.61	NS	NS	NS																																																																																																																																												
	SD																																																																																																																																																		

Analyte	Mean SD	Test Articles			Comparisons (% Difference)		
		Ground	Non-ground	2S3	Ground vs. Non-Ground	Ground vs. 2S3	Non-Ground vs. 2S3
NNK, µg/g	SD	0.046	0.048	0.038			
	Mean	0.60	0.54	0.57	NS	NS	NS
NAT, µg/g	SD	0.071	0.083	0.067			
	Mean	1.13	1.07	1.18	NS	NS	NS
NAB, µg/g	SD	0.069	0.076	0.052			
	Mean	<0.43	<0.43	<0.43	NA	NA	NA
Fructose, %	SD						
	Mean	0.90	0.91	<0.10	NS	798.3	811.7
Sucrose, %	SD	0.013	0.020	0.000			
	Mean	<0.10	<0.10	<0.10	NA	NA	NA
Glucose, %	SD	0.000	0.000	0.000			
	Mean	0.17	0.22	<0.10	NS	66.7	118.3
Hydroquinone, mg/g	SD	0.008	0.045	0.000			
	Mean	BQL	BQL	BQL	NA	NA	NA
Catechol, mg/g	SD						
	Mean	15.36	14.25	12.38	7.8	24.1	15.1
Phenol, mg/g	SD	0.230	0.232	0.163			
	Mean	BQL	BQL	5.46	NA	NA	NA
p,m-Cresol, mg/g	SD			0.052			
	Mean	BQL	BQL	7.14	NA	NA	NA
Arsenic, µg/g	SD			0.060			
	Mean	0.34	0.36	0.48	NS	-27.8	NS
Cadmium, µg/g	SD	0.107	0.080	0.029			
	Mean	0.76	0.73	0.73	4.1	4.1	NS
Chromium, µg/g	SD	0.020	0.010	0.000			
	Mean	0.95	0.81	0.48	NS	97.9	68.8
Lead, µg/g	SD	0.190	0.190	0.010			
	Mean	0.38	0.37	0.30	NS	NS	NS
Nickel, µg/g	SD	0.110	0.040	0.050			
	Mean	1.80	1.60	1.15	12.5	56.5	39.1
	SD	0.060	0.080	0.020			

Table 7. Blend ground and non-ground (Labstat data)

Analyte	Mean SD	Test Articles			Comparisons (% Difference)		
		2S3	Non-Ground	Ground	Non-Ground vs. 2S3	Ground vs. 2S3	Non-Ground vs. Ground
Formaldehyde, µg/g	Mean	0.680	0.351	0.373	-48.4	-45.2	NS
	SD	0.074	0.020	0.053			
Acrolein, µg/g	Mean	* 0.019	<0.008	* 0.010	NA	NA	NA
	SD	0.007	0.000	0.004			
Nitrite, µg/g	Mean	* 1.492	* 0.755	<0.634	NA	NA	NA
	SD	0.592	0.302	0.000			
NDMA, ng/g	Mean	* 6.133	* 3.785	* 4.285	NA	NA	NA
	SD	1.331	1.063	1.138			
NPYR, ng/g	Mean	* 7.930	* 4.010	9.180	NA	NA	128.9

Analyte	Mean SD	Test Articles			Comparisons (% Difference)		
		2S3	Non- Ground	Ground	Non- Ground vs. 2S3	Ground vs. 2S3	Non- Ground vs. Ground
NEMA, ng/g	SD	0.000	0.000	0.532			
	Mean	* 3.548	<1.510	* 1.805	NA	NA	NA
NDEA, ng/g	SD	1.417	0.000	0.723			
	Mean	* 3.682	<1.560	* 2.180	NA	NA	NA
NDPA, ng/g	SD	1.474	0.000	0.945			
	Mean	<3.330	<1.690	* 2.086	NA	NA	NA
NDBA, ng/g	SD	0.000	0.000	0.885			
	Mean	<4.640	<2.360	* 2.820	NA	NA	NA
NPIP, ng/g	SD	0.000	0.000	1.127			
	Mean	<5.040	<2.550	<2.560	NA	NA	NA
Naphthalene, ng/g	SD	0.000	0.000	0.000			
	Mean	67.585	38.348	41.454	-43.3	-38.7	NS
Acenaphthylene, ng/g	SD	6.944	4.722	5.994			
	Mean	44.799	2.185	3.715	-95.1	-91.7	NS
Acenaphthene, ng/g	SD	3.872	0.234	0.525			
	Mean	54.838	6.489	7.552	-88.2	-86.2	NS
Fluorene, ng/g	SD	3.585	0.991	1.470			
	Mean	391.164	11.193	14.544	-97.1	-96.3	NS
Phenanthrene, ^{&} ng/g	SD	24.009	1.834	1.197			
	Mean	4762.500	73.180	68.910	-98.5	-98.6	NS
Fluoranthene, ng/g	SD	263.216	8.239	8.367			
	Mean	1845.940	47.190	50.130	-97.4	-97.3	NS
Pyrene, ng/g	SD	61.742	3.214	2.591			
	Mean	1737.980	29.980	31.860	-98.3	-98.2	NS
Benzo(a)anthracene, ^{&} ng/g	SD	54.955	2.835	2.507			
	Mean	348.165	4.128	4.494	-98.8	-98.7	NS
Chrysene, ng/g	SD	7.867	0.620	0.578			
	Mean	492.676	10.482	11.355	-97.9	-97.7	NS
Benzo(b)fluoranthene, ng/g	SD	12.284	0.861	0.980			
	Mean	75.966	2.991	3.892	-96.1	-94.9	NS
Benzo(k)fluoranthene, ng/g	SD	1.222	0.266	0.343			
	Mean	28.940	1.276	1.761	-95.6	-93.9	NS
Benzo(j)fluoranthene, ng/g	SD	1.621	0.104	0.249			
	Mean	39.066	2.064	2.323	-94.7	-94.1	NS
Benzo(e)pyrene, ^{&} ng/g	SD	1.959	0.129	0.204			
	Mean	67.956	2.183	2.837	-96.8	-95.8	NS
Benzo(a)pyrene, ng/g	SD	2.401	0.197	0.231			
	Mean	62.860	1.460	1.970	-97.7	-96.9	NS
Perylene, ^{&} ng/g	SD	1.934	0.218	0.216			
	Mean	8.080	* 0.227	0.416	-97.2	-94.9	83.0*
Indeno(1,2,3- cd)pyrene, ng/g	SD	0.191	0.061	0.054			
	Mean	24.244	1.215	1.825	-95.0	-92.5	NS**

Analyte	Mean SD	Test Articles			Comparisons (% Difference)		
		2S3	Non- Ground	Ground	Non- Ground vs. 2S3	Ground vs. 2S3	Non- Ground vs. Ground
Dibenz(a,h)anthracene, ng/g	SD	1.381	0.158	0.309			
	Mean	5.472	* 0.210	* 0.297	-96.2	-94.6	NA
Benzo(g,h,i)perylene, ^{&} ng/g	SD	1.306	0.056	0.136			
	Mean	25.327	1.447	2.009	-94.3	-92.1	NS
Dry Matter, %	SD	1.799	0.147	0.208			
	Mean	45.475	89.659	89.371	97.2	96.5	-0.3
Moisture, %	SD	0.058	0.088	0.042			
	Mean	54.525	10.341	10.629	-81.0	-80.5	2.8
	SD	0.058	0.088	0.042			

<Indicates all LOD values, *indicates some LOQ values, with midpoint value assigned

*Not statistically significantly different on a dry weight basis

**Statistically significantly different on a dry weight basis

&Indicates additional analytes not requested to be measured but measured and, therefore, reported

Results indicate that, although there were a few statistically significant differences between the ground and non-ground blends, these small statistically significant differences are not expected to translate into biological activity differences in the current set of assays. Therefore, the blends (ground and non-ground) are considered substantially equivalent.

For the available values, the analyte levels measured for the 2S3 reference indicated that the methods worked as expected.

Conclusion

Taking all data into account, results to date 1) indicate that the test articles are appropriately controlled and 2) support the test articles use in the smokeless tobacco and extract rodent feeding toxicology studies.

APPENDIX C: INDIVIDUAL ANIMAL DATA

Table C-1. Individual Animal Clinical Abnormalities – Males

Group	Animal ID	Observation	Observed			
			First Day	Last Day	Interval	Total Number
B0.3M	307	Alopecia, Head	63	91	29	5
	308	Alopecia, Forelimb	56	92	37	7
	308	Alopecia, Neck	1	7	7	2
	308	Alopecia, Shoulder	70	92	23	5
	319	Alopecia, Forelimb	63	93	31	6
B3M	411	Abrasion, Head	42	56	15	3
	411	Alopecia, Head	63	84	22	4
E0.3M	609	Alopecia, Body Lateral	28	92	65	11
	610	Alopecia, Forelimb	49	92	44	8
	616	Alopecia, Head	63	70	8	2

Table C-2. Individual Animal Clinical Abnormalities – Females

Group	Animal ID	Observation	Observed			
			First Day	Last Day	Interval	Total Number
CF	153	Abrasion, Head	56	63	8	2
NT6F	252	Alopecia, Body Dorsal	42	93	52	9
	252	Alopecia, Head	63	77	15	3
	252	Alopecia, Neck	7	49	43	7
	252	Alopecia, Shoulder	84	93	10	3
	255	Red Eye Discharge	49	63	15	3
B0.3F	351	Abrasion, Head	35	42	8	2
	356	Deformity, Foot/Left Rear	7	93	87	14
	367	Alopecia, Head	94	94	1	1
B3F	464	Abrasion, Head	84	94	11	3
	464	Alopecia, Ear	35	77	43	7
	464	Alopecia, Head	84	94	11	3
	464	Alopecia, Shoulder	35	94	60	10
	465	Alopecia, Body Dorsal	77	94	18	4
	465	Alopecia, Shoulder	42	94	53	9
	468	Red Eye Discharge	42	42	1	1
E3F	752	Abrasion, Head	35	56	22	4
	752	Alopecia, Head	63	93	31	6

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	Animal	Day									
	ID	-5	1	7	14	21	28	35	42	49	56
CM	101	133.5	157.3	195.5	245.1	275.5	299.6	322.7	340.0	358.2	371.8
	102	127.0	153.6	184.2	224.7	246.1	272.2	283.5	296.9	308.3	317.0
	103	147.6	173.4	203.4	245.9	275.2	293.7	311.5	323.1	338.3	348.8
	104	126.0	150.9	184.6	224.5	254.8	279.8	300.1	322.3	338.2	344.7
	105	119.6	150.7	187.7	233.4	264.4	283.5	294.7	308.0	320.6	331.4
	106	130.7	157.3	190.8	231.6	249.9	264.8	280.0	293.9	302.2	309.5
	107	127.9	153.5	197.2	244.9	279.9	315.9	323.1	349.9	359.8	367.2
	108	115.0	142.3	179.9	225.1	257.0	282.5	288.0	317.0	325.5	344.5
	109	140.4	169.7	206.5	249.5	278.0	308.1	325.0	344.7	362.7	367.3
	110	112.6	142.0	175.1	212.8	246.2	269.8	294.5	316.5	328.2	342.4
	111	117.5	141.7	176.4	218.7	253.0	281.9	298.2	318.4	331.6	345.8
	112	136.6	163.5	203.3	242.6	273.0	293.7	314.9	329.1	346.3	356.3
	113	131.9	158.8	194.6	238.1	268.2	293.5	312.9	328.6	341.6	351.6
	114	129.7	158.1	195.6	242.9	278.0	309.4	322.8	342.3	353.0	367.1
	115	134.7	160.5	193.4	232.9	258.7	277.0	297.5	309.4	321.2	341.5
	116	121.9	147.4	181.2	227.4	257.2	286.2	306.1	317.7	336.5	353.1
	117	140.6	168.3	206.3	252.5	283.1	308.8	331.2	350.3	362.8	381.2
	118	141.3	166.4	206.1	245.9	274.3	299.5	319.2	334.7	349.6	363.0
	119	124.3	156.6	192.1	240.9	277.0	307.9	330.1	352.8	368.9	376.4
	120	121.0	149.0	185.2	229.6	263.4	292.1	310.9	325.6	331.6	348.2
NT6M	201	115.9	144.4	174.0	220.0	258.6	283.0	298.1	319.2	334.3	344.1
	202	127.4	147.9	170.6	200.6	220.9	229.0	235.1	244.8	255.9	268.6
	203	134.2	160.0	193.6	230.0	258.2	282.7	295.9	303.1	308.7	312.1
	204	113.2	132.1	161.7	201.8	230.1	257.0	267.6	276.1	286.3	297.3
	205	131.5	155.3	180.0	216.2	239.3	251.7	266.0	273.4	279.1	293.0
	206	137.8	163.3	194.4	231.8	256.3	274.6	287.5	300.1	308.4	320.1
	207	122.8	154.8	185.1	219.0	236.4	255.1	262.4	271.8	282.4	290.1
	208	146.5	174.0	203.5	237.0	261.2	289.0	301.8	314.0	328.4	338.4
	209	141.0	170.4	197.6	232.1	262.3	279.4	292.1	305.7	315.7	324.0

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	Animal	Day									
	ID	-5	1	7	14	21	28	35	42	49	56
NT6M	210	128.4	161.8	196.2	234.5	260.4	282.0	294.1	307.3	322.4	334.6
	211	119.3	143.4	174.9	218.5	241.4	258.9	271.9	283.0	289.1	303.3
	212	112.2	138.7	166.9	216.3	245.6	274.4	292.4	308.2	316.4	329.4
	213	124.4	152.3	179.7	210.9	240.5	256.8	272.3	285.7	294.8	309.3
	214	125.7	153.2	181.6	219.1	243.9	267.6	280.4	298.6	309.8	327.7
	215	134.6	159.7	191.7	232.4	252.6	275.3	291.5	310.4	326.6	340.9
	216	132.7	156.5	187.3	222.1	240.6	263.5	272.2	282.7	292.4	301.9
	217	126.5	154.8	177.9	209.7	233.3	246.1	256.0	261.2	272.2	278.3
	218	120.2	147.9	175.0	210.4	237.1	262.1	275.1	292.2	304.1	323.5
	219	143.9	170.4	201.7	241.9	264.7	281.8	283.9	302.7	317.6	330.3
	220	139.3	163.5	193.2	238.8	261.9	288.4	305.1	316.8	330.9	339.2
B0.3M	301	139.1	171.1	211.8	260.2	296.2	322.0	325.4	350.2	366.9	385.0
	302	137.0	159.9	195.4	243.2	273.7	299.9	303.3	340.0	353.2	366.7
	303	134.3	160.9	196.2	249.4	278.7	312.7	332.3	347.5	360.0	372.9
	304	117.6	140.5	171.1	211.8	242.2	269.0	283.5	296.6	305.3	318.3
	305	113.4	137.0	175.5	223.6	255.5	285.0	301.6	317.1	334.8	347.1
	306	133.1	164.9	203.6	251.4	282.1	310.5	331.7	348.0	364.9	377.2
	307	118.4	148.7	181.2	225.4	251.4	274.7	295.3	312.4	325.5	335.9
	308	121.3	148.6	187.1	236.9	277.3	306.4	332.1	356.0	376.3	398.5
	309	140.8	175.4	210.6	255.5	290.3	310.7	328.3	339.4	353.3	366.9
	310	135.8	163.8	195.7	237.3	262.9	281.3	295.7	315.0	321.2	333.6
	311	124.9	150.7	193.9	236.7	266.8	286.5	305.4	323.6	336.7	353.7
	312	125.5	150.3	185.1	226.9	257.0	284.2	306.1	320.3	328.5	339.1
	313	111.2	134.6	158.6	201.0	229.2	249.6	262.4	276.3	288.1	296.3
	314	141.4	168.0	209.7	253.6	288.3	314.9	333.8	352.5	366.7	377.7
	315	145.4	171.9	206.1	251.7	286.7	317.0	346.7	365.6	383.3	393.1
	316	120.4	147.1	181.3	226.7	261.1	293.6	313.5	331.6	341.4	352.9
	317	131.7	157.1	192.6	231.5	263.4	291.7	307.3	330.9	349.7	360.8
	318	129.6	154.3	187.1	228.6	255.7	274.6	291.5	305.3	316.2	326.3

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	Animal	Day									
	ID	-5	1	7	14	21	28	35	42	49	56
B0.3M	319	127.8	153.7	189.5	228.7	254.2	273.1	290.9	305.6	317.6	327.3
	320	126.7	157.9	199.0	244.4	278.0	308.1	322.3	340.7	353.4	364.2
B3M	401	117.1	143.5	176.5	213.0	232.0	246.1	251.4	263.5	276.6	278.5
	402	133.9	164.7	201.5	251.9	281.3	301.6	313.6	329.2	339.0	349.2
	403	118.4	145.5	173.8	216.4	244.1	266.8	285.4	297.9	314.8	326.5
	404	133.3	156.7	181.6	202.9	211.0	255.8	286.1	303.4	322.1	333.2
	405	137.5	168.9	202.6	240.5	263.0	285.3	306.6	323.1	325.2	333.7
	406	124.1	151.3	178.4	214.0	239.4	253.5	267.5	279.5	288.6	293.9
	407	122.3	150.2	186.8	229.7	252.0	267.8	272.9	285.4	300.5	311.6
	408	131.0	159.0	194.1	239.8	269.8	289.0	310.0	321.3	338.8	343.4
	409	127.3	153.7	185.7	227.2	249.0	272.4	286.5	294.9	307.6	317.6
	410	111.4	138.8	172.4	214.7	249.1	276.0	287.2	308.7	316.0	326.7
	411	139.5	170.1	204.4	246.3	280.2	308.7	330.7	347.6	356.0	365.2
	412	135.0	166.1	203.5	245.1	274.4	295.9	311.7	328.8	345.2	351.9
	413	126.8	149.8	180.6	218.1	241.3	264.4	279.7	286.7	296.8	301.0
	414	112.7	140.1	169.4	212.6	238.8	257.2	272.2	289.0	299.8	305.9
	415	128.6	152.0	180.5	219.1	246.9	270.7	285.8	300.8	309.6	317.0
	416	142.4	173.4	209.9	255.4	284.7	309.9	329.7	342.7	354.7	366.6
	417	125.6	154.3	188.6	226.6	261.0	286.9	301.2	320.6	334.3	341.6
	418	120.3	143.5	170.5	203.3	224.6	238.5	249.0	261.9	271.5	279.0
	419	140.7	172.9	208.5	254.3	289.2	315.0	333.4	350.4	360.8	366.7
	420	147.8	178.8	214.9	253.5	282.0	307.8	314.3	331.1	340.4	347.0
B6M	501	125.8	154.3	185.9	227.6	253.0	276.5	287.4	298.7	308.6	316.8
	502	136.3	158.0	183.4	216.0	237.1	250.8	254.7	264.9	275.5	281.4
	503	117.7	141.4	169.3	196.4	227.2	240.4	248.4	264.1	278.1	283.7
	504	129.8	152.2	177.3	211.0	237.8	261.3	272.3	292.0	305.2	312.3
	505	124.8	160.6	188.7	223.3	241.3	262.5	278.2	293.1	306.2	310.7
	506	133.0	152.8	184.2	226.3	255.0	285.0	296.9	317.2	325.3	335.3
	507	112.8	129.8	148.0	182.0	195.2	209.7	214.5	227.5	240.0	248.4

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	Animal	Day									
	ID	-5	1	7	14	21	28	35	42	49	56
B6M	508	127.6	156.5	181.2	216.6	231.9	249.3	264.5	286.4	299.8	312.2
	509	141.1	169.9	196.9	229.4	261.6	282.2	292.7	309.6	319.1	323.6
	510	111.6	142.1	174.8	210.8	241.7	255.3	261.1	274.8	290.6	299.4
	511	139.0	169.9	201.9	242.0	271.9	291.1	306.1	321.6	334.0	341.5
	512	126.1	149.6	180.6	215.1	237.9	255.5	266.5	283.0	289.7	297.5
	513	133.4	158.2	183.6	219.4	244.7	265.1	275.7	293.0	299.1	306.8
	514	129.1	155.3	180.7	213.2	224.8	235.0	244.7	255.1	267.0	273.8
	515	119.9	145.4	170.6	204.9	218.6	229.5	240.4	260.0	271.5	277.1
	516	143.3	167.4	193.0	234.1	257.3	271.4	273.3	284.4	295.7	303.8
	517	116.9	140.5	166.4	200.1	226.2	244.4	253.7	270.9	287.0	295.3
	518	147.7	178.2	203.9	244.8	274.9	299.5	317.1	335.1	351.5	360.8
	519	135.1	166.1	193.6	231.3	257.4	278.3	289.4	303.8	313.0	316.2
	520	121.0	153.6	186.0	227.7	260.8	279.4	296.2	310.9	321.9	335.0
E0.3M	601	132.4	156.0	190.0	230.0	256.2	273.5	283.4	299.8	312.3	315.8
	602	123.0	150.3	188.0	233.1	262.8	286.6	305.4	324.0	343.2	347.8
	603	113.9	148.4	174.9	219.9	248.5	272.9	296.8	316.1	329.9	339.8
	604	118.4	149.3	181.3	222.7	256.7	284.6	298.8	320.8	334.2	348.1
	605	130.7	158.0	194.8	234.8	266.0	282.2	296.5	318.1	324.6	333.1
	606	125.4	152.6	184.1	222.2	251.8	272.7	287.8	311.6	319.4	327.0
	607	120.3	147.0	177.9	215.5	238.6	256.2	261.1	273.7	289.8	297.1
	608	139.0	169.1	199.3	244.7	272.3	295.1	304.4	326.3	344.7	353.5
	609	127.4	155.7	187.1	221.7	250.8	274.3	288.3	308.0	321.7	332.1
	610	146.7	179.1	214.3	265.5	293.2	319.8	332.1	351.7	362.6	373.2
	611	111.3	132.2	161.6	208.1	239.0	264.4	283.0	301.4	314.8	326.7
	612	125.8	156.2	188.0	232.4	261.2	285.9	298.8	309.4	318.5	328.5
	613	143.5	170.0	202.5	247.9	278.6	310.7	327.4	353.1	366.5	380.4
	614	116.9	142.5	171.6	211.3	231.5	238.9	244.4	260.6	266.3	273.3
	615	141.1	167.1	208.5	249.8	278.6	304.0	327.4	344.6	355.6	370.0
	616	126.1	154.1	191.0	240.7	270.2	297.7	310.2	330.4	346.0	353.8

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	Animal ID	Day									
		-5	1	7	14	21	28	35	42	49	56
E0.3M	617	137.8	162.3	193.8	239.0	266.5	293.0	305.7	329.5	344.7	352.5
	618	134.7	162.8	197.8	237.6	260.3	284.7	298.8	309.9	319.8	328.9
	619	129.3	157.8	192.5	232.8	262.9	291.0	305.8	329.6	342.2	350.1
	620	134.3	161.7	199.8	242.3	269.2	295.4	311.1	330.6	343.5	357.6
E3M	701	135.9	165.7	204.7	246.4	275.3	297.4	306.1	316.7	324.4	337.4
	702	116.9	145.5	180.5	221.1	246.3	272.9	284.5	300.6	308.4	320.5
	703	113.7	135.9	166.8	208.3	237.1	259.8	272.9	289.2	302.5	310.7
	704	143.5	173.0	205.5	248.6	282.4	308.5	317.1	333.4	340.4	345.7
	705	127.7	151.7	184.8	226.5	254.0	275.6	289.8	307.7	321.6	328.9
	706	134.4	157.9	186.4	218.6	241.4	262.4	282.2	296.1	300.8	309.0
	707	119.7	149.1	183.1	225.3	262.1	279.9	291.6	314.4	331.9	342.1
	708	135.0	165.0	195.1	232.3	259.4	281.9	292.3	308.5	321.8	329.0
	709	131.7	159.1	194.7	236.1	268.3	292.2	308.0	326.6	341.2	352.8
	710	117.9	148.5	180.5	222.9	254.7	273.1	290.6	306.5	316.3	319.6
	711	128.0	157.4	187.7	231.1	258.0	276.2	294.9	310.9	318.8	331.7
	712	139.8	167.0	201.4	246.1	273.8	296.0	314.9	333.7	349.2	352.8
	713	111.2	140.9	171.4	208.6	245.0	271.5	287.8	304.9	315.4	323.4
	714	121.2	156.7	189.1	231.3	274.4	302.8	305.2	326.6	331.9	340.4
	715	146.0	173.2	203.5	242.7	274.3	301.6	320.5	338.8	353.8	362.7
	716	124.7	151.9	185.5	221.7	256.5	282.3	302.3	324.8	341.6	355.6
	717	140.9	168.4	193.1	224.9	252.3	271.7	282.0	296.9	307.6	308.5
718	126.0	148.7	174.5	209.3	232.9	244.9	253.7	266.7	278.4	282.0	
719	126.7	155.3	189.0	235.8	282.1	318.2	339.1	375.0	389.2	403.1	
720	133.3	157.7	184.7	220.6	245.4	265.3	278.5	293.2	304.7	310.1	
E6M	801	111.4	137.0	162.5	201.2	226.7	246.4	264.2	280.2	296.5	300.8
	802	116.0	150.3	182.5	229.6	266.7	291.1	306.2	323.4	336.6	349.2
	803	136.3	163.8	191.5	230.9	252.9	268.3	275.1	290.3	304.9	310.2
	804	127.0	157.3	180.7	221.5	248.5	270.4	284.5	303.3	322.1	327.0
	805	128.0	150.6	177.6	212.4	239.2	261.0	274.1	290.9	305.9	318.5

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	Animal	Day									
	ID	-5	1	7	14	21	28	35	42	49	56
E6M	806	133.2	166.1	194.8	232.4	261.0	281.2	293.6	312.5	321.7	327.1
	807	143.1	170.5	195.4	229.3	255.2	270.2	279.0	291.0	304.0	313.1
	808	112.9	134.5	160.2	195.1	226.6	249.0	264.2	280.7	294.9	306.3
	809	126.0	149.2	176.3	213.1	238.7	262.8	278.3	298.6	309.7	316.5
	810	129.4	156.0	181.7	222.3	255.3	274.5	291.7	304.0	312.7	317.9
	811	123.2	144.2	172.3	211.9	241.0	261.8	278.8	297.7	313.9	318.4
	812	140.6	169.9	199.5	239.3	268.5	287.8	305.6	317.3	325.7	331.5
	813	117.9	143.8	171.5	212.3	249.8	280.7	295.7	318.2	330.7	340.5
	814	139.1	165.1	196.8	232.8	255.0	274.1	287.4	298.7	307.8	316.3
	815	134.4	162.2	191.7	227.3	256.4	274.4	295.0	317.0	331.8	348.3
	816	146.8	175.7	201.4	238.4	259.1	278.7	288.8	302.4	311.3	321.9
	817	130.3	163.3	186.9	225.6	253.6	270.2	285.4	297.1	313.4	321.7
	818	134.5	165.5	192.2	237.4	273.1	292.8	307.3	321.2	337.3	342.5
	819	124.0	143.1	171.5	211.7	238.6	257.8	274.9	290.8	296.9	303.9
	820	120.6	151.6	177.6	214.8	246.0	267.2	287.7	304.0	314.8	321.3

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	Animal	Day				
	ID	63	70	77	84	91
CM	101	386.6	392.5	402.6	416.5	418.8
	102	328.5	331.9	340.2	349.8	353.2
	103	362.9	373.7	388.9	392.1	398.0
	104	355.9	368.1	381.8	387.6	395.3
	105	334.3	341.7	352.4	358.2	364.7
	106	320.3	329.2	336.4	347.9	353.3
	107	382.8	384.6	400.1	414.1	422.3
	108	353.8	362.6	377.2	384.2	391.6
	109	377.0	387.8	401.8	402.9	415.3
	110	355.5	367.1	378.2	394.2	399.8
	111	357.7	369.2	380.2	388.2	399.4
	112	367.8	384.1	393.6	407.8	412.0
	113	362.5	377.1	393.4	405.8	408.5
	114	373.9	380.4	384.7	390.0	396.9
	115	349.6	360.7	369.0	377.5	378.0
	116	367.6	371.2	380.4	390.4	398.1
	117	394.2	404.2	419.1	424.5	425.8
	118	373.1	387.3	396.0	409.4	413.1
	119	388.9	403.3	420.9	428.7	435.7
	120	357.8	367.0	373.5	384.8	392.3
NT6M	201	359.2	370.4	380.5	390.3	391.8
	202	273.5	277.4	282.1	289.5	290.1
	203	325.0	330.1	336.0	347.5	352.0
	204	303.5	314.4	317.1	325.2	331.4
	205	302.6	308.9	314.3	324.7	330.8
	206	333.3	341.6	348.8	355.3	356.1
	207	298.6	310.2	308.7	319.7	321.2
	208	348.4	359.0	365.7	371.1	370.4
	209	338.8	343.7	348.7	354.3	358.1

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	Animal	Day				
	ID	63	70	77	84	91
NT6M	210	347.7	347.8	354.4	357.9	363.7
	211	310.0	316.1	330.9	335.8	337.4
	212	338.7	342.6	353.4	356.3	350.2
	213	316.4	326.0	336.7	340.9	343.7
	214	341.8	345.4	357.0	375.8	373.5
	215	351.0	355.5	362.7	370.9	372.2
	216	309.4	319.3	319.9	326.0	331.6
	217	284.0	288.8	293.9	294.4	286.7
	218	326.2	345.4	348.9	355.7	354.1
	219	338.9	341.7	352.7	361.9	369.2
	220	344.7	359.1	369.4	370.6	377.4
B0.3M	301	386.1	406.4	418.9	433.1	437.1
	302	383.1	395.3	401.9	405.7	410.3
	303	388.5	401.6	405.8	416.2	418.7
	304	326.4	332.3	339.4	347.5	353.5
	305	361.7	375.9	385.6	395.2	400.1
	306	382.1	390.1	401.1	416.6	421.1
	307	346.0	357.1	356.7	367.9	375.8
	308	413.4	425.3	433.1	442.5	453.6
	309	380.6	389.8	404.4	410.9	416.4
	310	345.0	351.5	358.0	368.6	371.5
	311	367.8	376.1	386.5	399.5	405.5
	312	351.2	361.7	369.4	378.0	382.3
	313	304.8	314.1	320.8	330.3	332.4
	314	393.7	404.4	407.9	413.0	425.8
	315	403.4	410.9	423.2	434.3	441.9
	316	362.5	374.2	381.0	394.8	400.3
	317	370.6	378.1	386.1	394.0	395.1
	318	338.1	346.2	356.5	359.6	362.2

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	Animal ID	Day				
		63	70	77	84	91
B0.3M	319	337.9	348.9	357.1	362.9	365.3
	320	379.9	384.3	395.3	402.5	412.8
B3M	401	289.6	293.4	298.2	303.3	310.0
	402	360.8	369.8	390.2	403.1	411.3
	403	337.5	345.7	355.4	363.7	369.2
	404	346.8	361.3	369.0	383.3	391.1
	405	354.5	367.0	367.6	382.9	389.4
	406	308.9	319.3	328.8	339.9	346.6
	407	324.4	332.0	339.1	348.2	354.8
	408	358.0	371.8	379.4	390.3	392.9
	409	321.6	328.1	335.2	343.9	352.3
	410	343.1	359.0	361.7	373.3	383.0
	411	382.7	388.7	398.0	401.7	411.2
	412	368.7	377.5	388.1	396.7	396.6
	413	315.0	328.9	328.3	338.1	345.2
	414	315.8	325.1	332.1	340.9	344.1
	415	326.7	338.0	347.8	357.4	361.4
	416	385.6	392.9	394.7	397.6	404.2
	417	354.5	360.5	362.8	379.1	377.5
	418	286.8	293.3	299.4	303.1	307.2
	419	382.1	387.3	392.3	400.0	407.9
	420	361.5	371.0	373.8	390.3	394.7
B6M	501	329.5	335.0	344.7	358.5	361.2
	502	293.9	298.3	303.4	311.3	313.9
	503	288.6	296.8	307.9	317.1	324.0
	504	324.7	335.1	336.1	348.3	351.5
	505	324.0	327.8	335.7	344.4	339.9
	506	343.4	353.0	355.2	362.0	362.4
	507	252.5	263.1	268.5	275.0	279.0

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	Animal	Day				
	ID	63	70	77	84	91
B6M	508	326.2	345.3	347.6	356.1	357.7
	509	337.3	351.3	358.0	369.8	371.7
	510	314.4	323.1	326.6	333.6	344.7
	511	346.8	351.7	360.1	374.0	377.9
	512	307.6	311.7	314.7	327.1	332.3
	513	317.9	323.5	324.6	332.2	337.3
	514	284.5	292.7	298.2	305.9	311.6
	515	292.6	292.1	294.1	305.2	308.8
	516	316.8	316.5	318.8	324.5	328.7
	517	308.3	313.5	319.2	327.3	334.6
	518	378.6	379.9	383.3	396.0	403.7
	519	327.9	335.4	339.2	346.0	348.0
	520	349.9	356.7	366.8	383.1	388.3
E0.3M	601	320.1	328.8	340.2	346.0	357.8
	602	356.5	371.5	386.2	396.3	397.0
	603	354.1	364.0	372.1	384.1	391.4
	604	359.9	371.2	380.4	387.7	395.9
	605	346.2	354.3	362.5	373.4	379.3
	606	337.7	349.2	357.6	367.5	371.1
	607	307.2	318.9	325.8	337.3	340.8
	608	367.6	383.1	391.2	405.2	400.8
	609	351.0	359.2	369.1	378.5	384.2
	610	393.2	407.3	411.3	424.7	432.3
	611	337.6	347.8	359.2	369.3	378.4
	612	344.6	355.1	362.9	371.1	373.2
	613	400.0	413.1	423.9	438.0	448.7
	614	282.9	286.1	289.1	306.3	311.1
	615	388.7	398.3	401.9	418.6	420.1
	616	369.9	384.9	391.2	404.6	405.1

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	Animal	Day				
	ID	63	70	77	84	91
E0.3M	617	366.7	376.3	377.7	389.3	391.3
	618	347.3	350.8	353.9	361.2	366.4
	619	367.5	383.0	391.2	401.6	403.9
	620	372.8	392.3	393.8	404.9	413.6
E3M	701	350.2	362.8	366.7	377.6	381.0
	702	336.4	347.8	340.5	357.6	370.1
	703	325.2	338.5	342.6	356.4	360.5
	704	360.1	371.7	373.0	380.0	381.5
	705	344.2	354.6	366.4	378.7	383.4
	706	321.3	324.8	328.7	338.9	343.2
	707	358.8	367.7	371.2	386.6	402.6
	708	341.1	350.8	357.2	363.9	364.4
	709	368.4	377.6	390.1	400.1	400.2
	710	332.7	347.8	357.0	368.4	377.5
	711	349.8	355.2	358.8	373.9	381.1
	712	368.9	377.5	380.1	395.0	397.8
	713	338.4	350.1	356.6	360.4	374.0
	714	350.1	367.1	372.6	387.0	398.3
	715	382.0	394.8	403.5	412.8	421.5
	716	383.4	399.9	405.8	418.5	422.9
	717	320.9	329.1	332.9	346.4	342.4
718	298.0	307.4	311.9	321.8	326.5	
719	428.7	439.7	443.9	462.4	476.8	
720	324.3	333.8	339.1	348.8	353.3	
E6M	801	316.9	325.5	331.4	342.1	342.2
	802	355.5	367.0	370.0	378.9	384.2
	803	321.7	341.2	341.6	350.0	350.4
	804	337.6	349.1	353.1	362.3	371.5
	805	332.4	345.9	351.1	355.9	361.3

Table C-3. Individual Animal Body Weight (g) Data – Males

Group	Animal	Day				
	ID	63	70	77	84	91
E6M	806	341.6	351.7	360.0	369.9	364.6
	807	320.3	333.1	337.9	344.6	346.1
	808	321.9	335.0	342.7	352.2	359.5
	809	331.6	342.4	351.3	355.1	359.4
	810	327.4	334.3	333.2	343.6	347.7
	811	331.1	338.9	348.2	362.6	368.4
	812	338.2	345.8	353.3	366.0	363.7
	813	350.1	361.8	367.1	372.8	381.6
	814	325.4	336.3	345.0	353.8	358.4
	815	357.9	370.9	370.0	388.4	392.1
	816	327.7	329.5	333.4	343.9	345.9
	817	332.1	340.6	343.8	353.7	357.8
	818	353.4	362.0	364.6	370.6	374.8
	819	319.5	327.5	331.8	341.7	343.3
	820	334.3	342.7	349.3	359.4	362.1

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	Animal	Day									
	ID	-6	1	7	14	21	28	35	42	49	56
CF	151	97.5	117.4	142.2	158.6	167.4	179.7	191.3	190.0	197.5	201.7
	152	104.4	116.9	140.0	160.9	171.8	185.9	188.8	209.8	205.6	215.2
	153	91.4	108.9	118.5	141.6	157.9	161.1	167.5	182.4	187.8	195.9
	154	96.4	110.5	131.1	148.1	151.6	165.0	176.8	185.6	180.8	192.2
	155	117.5	136.5	146.9	171.5	184.2	186.7	190.5	213.1	222.2	226.5
	156	100.1	118.5	130.3	151.3	163.1	170.8	181.6	193.1	196.1	204.9
	157	93.3	107.2	132.0	149.6	163.7	169.3	177.3	195.4	200.8	204.0
	158	101.8	122.2	142.0	145.5	169.0	175.6	186.8	188.1	202.3	202.7
	159	98.9	124.3	136.5	165.1	182.1	190.9	195.4	210.1	221.0	223.7
	160	104.0	126.1	143.6	161.2	179.4	185.7	185.6	204.8	213.7	215.5
	161	115.0	141.3	163.9	186.2	195.3	198.5	213.5	228.1	233.0	227.9
	162	113.7	133.7	151.3	176.8	188.1	190.6	202.2	222.2	227.6	231.8
	163	87.3	107.1	124.0	139.7	146.5	154.8	163.5	170.0	178.8	182.4
	164	111.9	129.0	140.2	168.7	182.2	174.2	185.5	198.5	206.1	205.4
	165	109.6	131.4	147.3	157.0	171.8	165.6	180.7	183.3	194.3	200.8
	166	109.5	126.9	148.2	164.9	173.8	182.1	192.9	203.5	206.8	214.8
	167	106.7	123.0	134.9	155.0	167.5	173.4	179.9	191.9	191.7	198.9
168	103.4	130.8	151.8	168.4	187.4	195.1	197.6	217.2	226.1	226.6	
169	108.0	131.2	150.9	164.4	174.5	192.0	210.1	209.6	222.7	228.5	
170	112.4	134.8	151.4	159.3	179.8	192.2	194.8	196.0	214.4	218.0	
NT6F	251	116.2	128.6	141.6	148.1	171.4	169.6	183.5	190.1	196.4	187.4
	252	104.3	129.1	139.3	150.5	171.7	173.7	185.5	188.1	193.7	198.1
	253	94.1	110.7	121.4	128.5	146.3	151.8	157.5	168.9	177.5	179.7
	254	92.6	115.4	127.8	144.0	157.8	165.4	168.4	177.7	185.5	188.1
	255	108.5	127.0	137.9	141.3	164.5	161.8	174.6	182.5	191.7	183.7
	256	99.1	117.7	122.3	142.9	160.4	160.2	169.7	172.8	178.4	179.0
	257	107.1	129.6	133.2	152.7	167.1	168.1	167.7	183.8	189.5	185.9
	258	102.4	129.9	137.5	160.2	178.0	182.6	186.7	205.4	210.4	202.8
	259	87.1	105.0	119.2	131.3	148.3	157.3	164.6	169.7	177.5	172.4

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	Animal	Day									
	ID	-6	1	7	14	21	28	35	42	49	56
NT6F	260	96.2	108.8	120.3	131.7	137.7	145.5	151.4	156.3	159.3	162.5
	261	103.6	126.3	137.3	146.2	164.8	170.5	175.2	184.5	186.8	190.9
	262	112.7	131.1	138.0	144.9	168.8	168.5	175.6	177.8	187.0	200.7
	263	119.4	140.7	142.2	161.1	179.5	181.1	180.9	191.3	194.8	199.3
	264	101.4	116.6	131.0	144.6	157.3	163.6	182.7	174.7	184.4	190.7
	265	110.6	128.9	137.9	152.4	165.9	168.6	170.2	190.5	191.6	193.2
	266	98.3	117.4	127.0	143.7	156.1	164.4	165.1	179.9	192.6	193.9
	267	111.9	133.8	138.2	155.5	173.0	178.1	188.2	198.8	192.0	201.4
	268	102.9	126.9	137.2	154.3	171.6	175.6	180.6	191.4	190.4	191.3
	269	114.7	127.6	132.5	148.3	167.3	163.1	173.7	170.6	179.3	186.1
	270	105.7	125.2	128.0	148.1	159.5	156.0	163.3	171.3	174.6	182.9
B0.3F	351	98.4	113.7	135.2	144.6	170.4	178.7	190.0	196.1	193.7	199.8
	352	113.1	135.1	157.1	176.8	191.0	199.3	210.6	214.9	219.9	225.2
	353	106.8	128.8	147.5	162.8	170.8	187.6	197.1	208.5	209.2	206.6
	354	95.0	126.3	140.6	158.6	173.8	179.8	192.9	202.0	205.4	204.6
	355	102.6	127.2	150.5	166.6	187.2	198.6	208.1	216.1	224.7	229.2
	356	89.3	108.6	128.9	147.9	165.6	164.5	177.3	189.9	197.0	197.0
	357	91.5	110.9	114.2	141.0	154.7	160.9	170.5	184.6	191.5	190.3
	358	97.3	120.4	123.7	158.2	171.6	175.0	184.8	194.0	203.4	207.2
	359	110.1	127.7	130.2	163.6	173.4	183.9	201.0	207.2	214.6	216.4
	360	112.1	130.4	140.6	163.9	179.1	174.9	189.1	201.7	208.6	204.5
	361	116.5	140.1	161.5	180.8	192.6	197.1	214.1	234.5	230.2	232.2
	362	119.4	136.1	151.9	170.2	187.9	187.5	202.2	207.9	215.7	211.8
	363	107.9	130.9	143.3	150.5	170.2	179.1	183.4	183.1	195.6	199.5
	364	103.8	126.1	146.8	165.7	181.3	186.5	200.8	212.7	217.6	221.4
	365	96.5	126.3	139.9	153.7	175.1	181.6	184.6	194.3	199.8	200.9
	366	102.0	130.6	141.0	165.6	176.6	180.9	198.9	209.6	211.3	209.2
	367	108.5	130.1	145.4	154.8	181.3	186.7	192.2	195.3	205.3	206.7
	368	114.4	128.9	154.1	167.6	175.9	184.5	194.8	209.4	208.0	217.2

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	Animal	Day									
	ID	-6	1	7	14	21	28	35	42	49	56
B0.3F	369	100.4	116.0	133.4	145.7	158.8	167.2	176.6	177.7	192.8	192.2
	370	105.4	119.7	134.6	148.6	154.9	163.6	172.6	177.1	187.3	196.0
B3F	451	98.3	115.4	127.3	146.3	156.7	162.4	166.1	176.2	182.7	185.0
	452	115.6	134.5	149.9	167.3	179.7	186.3	198.1	198.6	206.2	203.6
	453	120.1	130.9	143.3	148.8	163.0	178.4	188.1	190.3	204.1	208.4
	454	107.0	122.4	132.8	149.4	165.8	171.5	179.1	184.1	191.0	190.8
	455	95.1	111.4	127.2	138.8	155.7	166.1	167.8	176.4	180.0	188.1
	456	100.8	123.7	138.3	153.7	163.7	168.3	184.5	183.2	187.0	200.9
	457	84.9	116.5	134.4	155.5	170.2	180.8	196.8	205.7	213.4	216.9
	458	103.4	120.1	130.8	140.2	157.3	166.8	170.6	175.5	174.1	185.5
	459	116.6	142.0	155.2	164.8	182.2	189.0	199.6	208.9	217.0	217.5
	460	92.4	111.7	124.7	136.1	143.6	162.4	170.1	177.0	178.4	186.2
	461	105.3	113.8	115.2	128.5	142.5	149.7	159.7	162.3	171.6	179.5
	462	110.9	130.2	141.6	152.7	164.2	171.3	171.5	187.1	188.2	192.6
	463	99.3	118.6	136.8	145.7	162.7	174.2	183.9	187.8	189.7	193.0
	464	106.6	130.0	143.2	153.7	163.9	171.9	179.3	180.9	195.5	198.6
	465	109.6	128.5	146.7	153.8	168.3	174.0	187.4	187.5	196.0	197.0
	466	102.9	122.8	138.6	152.4	166.5	179.1	175.0	192.9	196.9	195.2
	467	102.0	124.2	136.8	155.3	168.9	171.2	190.2	195.8	205.1	207.0
468	112.9	139.5	153.9	171.3	180.6	185.6	199.0	199.3	207.7	207.9	
469	114.0	142.8	151.4	167.4	187.8	200.2	205.6	205.9	221.6	224.7	
470	87.3	111.4	122.1	141.6	152.9	165.1	163.5	176.9	184.7	186.2	
B6F	551	98.7	118.5	126.3	145.6	155.0	169.4	179.3	184.3	189.0	193.7
	552	101.4	120.9	133.1	135.8	146.2	150.7	152.0	160.9	161.6	168.0
	553	94.3	113.0	129.9	143.3	158.4	169.0	171.0	173.2	179.2	182.3
	554	118.1	145.1	163.7	180.9	193.6	200.1	210.8	215.6	219.8	215.4
	555	115.8	142.2	149.7	173.5	183.1	192.3	208.0	201.2	208.9	216.5
	556	105.9	119.8	136.8	156.8	166.8	177.6	189.4	187.9	200.0	205.1
	557	89.6	107.9	130.0	145.6	156.0	165.8	179.5	181.2	186.9	189.5

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	Animal	Day									
	ID	-6	1	7	14	21	28	35	42	49	56
B6F	558	102.8	117.4	137.5	155.1	166.3	175.3	172.8	185.7	185.3	193.5
	559	92.3	108.1	119.1	136.1	143.7	147.7	151.3	160.9	162.9	160.2
	560	110.9	128.4	144.6	158.4	169.0	178.3	183.5	187.3	197.2	201.3
	561	105.1	124.2	131.5	150.4	152.5	162.8	172.4	176.9	174.8	189.4
	562	113.6	119.2	125.8	148.5	152.3	155.7	168.9	164.8	175.4	179.8
	563	97.6	115.1	120.7	129.3	137.3	143.6	149.7	154.8	155.5	160.3
	564	103.6	125.4	126.9	146.6	158.3	160.2	173.9	180.9	188.2	182.7
	565	108.3	129.9	130.0	150.0	151.9	164.9	174.1	180.3	176.3	190.8
	566	96.0	118.5	139.4	156.8	174.0	181.0	197.8	202.9	209.2	212.2
	567	109.6	140.5	163.7	172.4	188.6	195.6	206.9	206.9	212.9	215.9
	568	109.4	123.6	135.6	147.8	158.3	166.1	165.1	173.3	177.3	180.3
	569	113.9	133.4	139.2	154.0	155.8	164.3	177.1	179.9	177.1	187.5
	570	102.2	123.0	132.2	153.3	164.1	168.9	180.2	185.6	187.2	195.2
E0.3F	651	109.2	130.6	154.1	172.9	182.9	196.6	199.3	216.6	218.5	221.9
	652	107.4	129.6	146.2	167.5	181.9	192.9	200.4	210.1	214.9	217.3
	653	105.5	126.1	144.8	158.5	177.0	185.8	194.3	198.2	204.7	211.8
	654	100.4	124.6	136.3	151.0	164.2	176.1	187.5	191.7	199.6	204.7
	655	98.0	115.0	133.2	140.8	159.3	168.0	172.4	187.6	196.0	198.3
	656	93.2	124.0	141.9	155.0	174.2	183.7	191.8	195.4	207.3	208.3
	657	109.7	131.9	142.7	154.0	174.2	182.5	188.6	200.2	210.6	209.4
	658	116.8	137.0	152.0	165.4	180.1	193.4	199.7	201.1	211.1	210.6
	659	92.7	114.2	123.9	141.7	154.6	159.6	158.4	173.1	179.8	180.9
	660	113.8	135.8	151.0	158.2	180.4	190.4	191.8	199.1	210.4	220.7
	661	105.9	131.5	149.5	162.3	174.4	191.4	200.6	207.1	214.0	217.1
	662	102.6	124.3	138.8	168.4	181.7	191.3	195.3	208.8	216.1	217.9
	663	114.7	138.5	156.7	173.8	184.5	198.3	205.2	215.8	212.3	221.5
	664	90.1	108.9	122.1	148.8	156.3	166.4	174.3	191.0	188.8	196.9
	665	112.2	142.7	163.2	186.6	198.7	209.9	218.5	235.7	243.4	238.4
	666	103.9	119.3	139.9	150.6	165.7	178.7	186.0	182.7	196.1	201.2

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	Animal	Day									
	ID	-6	1	7	14	21	28	35	42	49	56
E0.3F	667	99.4	117.8	141.1	159.5	171.7	189.3	201.6	209.7	210.7	219.0
	668	113.4	124.3	148.2	156.1	172.0	185.7	192.5	198.3	203.4	202.0
	669	97.3	114.6	133.0	146.7	163.1	166.5	175.1	169.2	192.5	191.6
	670	101.6	124.2	142.2	159.8	172.0	179.4	189.6	185.5	202.0	207.6
E3F	751	99.4	125.8	147.1	164.3	179.0	189.2	194.7	205.0	213.6	209.1
	752	112.9	133.2	145.5	159.9	172.5	180.7	184.4	184.2	194.5	191.6
	753	101.9	123.9	140.1	163.6	178.5	193.6	193.0	209.8	217.6	220.8
	754	115.4	136.7	148.1	150.1	173.1	186.1	194.2	198.1	210.4	212.8
	755	103.8	118.9	127.1	154.7	169.3	183.1	191.9	201.7	201.9	214.2
	756	95.3	118.4	140.8	149.7	171.5	183.6	192.0	196.1	206.7	206.5
	757	99.9	118.8	130.8	145.4	160.6	162.3	168.8	178.6	185.9	175.3
	758	106.9	127.1	146.4	160.5	167.9	180.0	196.8	196.3	198.1	209.0
	759	112.1	129.4	144.6	159.0	170.7	177.5	182.3	188.4	194.6	193.8
	760	94.3	113.6	124.5	142.6	154.0	153.9	166.4	176.6	182.3	180.7
	761	91.1	135.1	149.2	170.9	182.7	189.3	197.1	207.5	214.8	215.9
	762	98.2	126.0	130.4	156.2	169.7	170.6	184.3	194.6	190.4	204.0
	763	87.2	125.5	137.1	157.9	169.1	178.7	178.5	190.7	200.6	196.5
	764	118.7	141.4	158.4	176.2	187.7	199.7	208.7	212.4	215.8	219.0
	765	102.8	130.4	144.2	161.7	171.5	184.3	194.9	190.6	204.7	200.5
	766	113.9	133.3	148.7	161.7	180.7	191.3	195.7	198.9	212.5	212.1
	767	110.9	131.1	149.2	165.4	182.8	199.1	210.0	206.8	221.4	223.0
768	106.8	125.6	130.5	155.4	172.7	167.8	183.4	194.1	197.7	198.0	
769	104.5	126.0	135.8	153.1	170.0	179.9	188.7	186.7	199.6	205.2	
770	109.6	130.6	146.9	162.5	175.6	191.0	191.0	200.4	211.1	210.0	
E6F	851	98.2	116.2	130.8	143.4	161.8	169.6	173.6	174.8	185.3	188.6
	852	111.4	126.5	141.7	156.5	160.2	174.3	181.8	181.3	183.1	187.9
	853	109.7	129.3	138.5	150.1	171.2	171.9	188.7	192.1	198.7	199.3
	854	92.7	111.9	120.3	142.7	160.7	162.5	169.8	182.3	191.1	196.9
	855	115.5	135.4	138.6	160.1	173.3	182.9	183.6	194.4	196.8	200.9

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	Animal	Day									
	ID	-6	1	7	14	21	28	35	42	49	56
E6F	856	103.4	129.3	134.2	152.0	164.5	170.1	169.3	178.6	189.7	184.4
	857	106.5	128.2	142.4	157.1	170.7	174.8	184.3	192.3	190.3	193.8
	858	116.8	133.7	137.3	142.4	160.1	158.8	166.9	175.2	185.1	183.2
	859	99.8	120.2	134.4	144.6	162.0	171.4	176.6	185.1	191.4	195.8
	860	108.6	130.8	141.0	154.6	172.2	182.3	190.6	187.9	201.7	205.3
	861	108.4	129.7	133.3	155.1	171.2	180.6	181.8	190.6	202.1	202.8
	862	113.3	132.6	129.5	148.5	157.8	171.7	179.6	182.8	181.3	184.3
	863	113.7	132.1	143.6	156.4	166.5	176.4	185.1	191.6	193.8	197.0
	864	101.3	127.6	133.3	146.3	156.9	173.4	185.0	190.0	193.2	197.2
	865	104.2	122.4	135.2	152.8	163.6	179.9	188.3	192.9	198.1	201.3
	866	93.5	116.3	129.0	145.6	160.0	168.1	176.1	179.1	182.6	184.7
	867	96.3	108.5	117.0	131.6	149.4	155.8	162.2	170.2	175.9	173.9
	868	88.2	109.5	111.0	131.5	144.2	155.0	156.2	160.9	165.4	171.2
	869	103.5	116.9	129.8	143.5	155.7	164.3	173.7	175.4	180.2	182.2
	870	101.9	125.4	138.9	147.2	166.8	172.8	180.3	180.1	187.5	194.6

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	Animal	Day				
	ID	63	70	77	84	91
CF	151	209.8	213.6	220.6	226.3	217.9
	152	219.2	217.7	216.1	224.6	228.0
	153	195.6	204.9	206.7	211.2	207.4
	154	206.7	207.8	202.1	215.9	219.8
	155	227.7	235.2	238.4	239.8	238.2
	156	210.2	209.2	215.7	220.6	222.8
	157	210.7	218.6	218.9	224.7	220.2
	158	207.2	202.8	209.9	219.0	213.8
	159	227.3	231.8	235.9	240.3	236.8
	160	213.8	217.4	221.1	227.5	226.5
	161	244.6	256.1	252.0	253.7	259.7
	162	242.8	250.0	250.7	249.5	255.3
	163	185.4	188.0	190.6	195.7	195.5
	164	220.4	229.3	227.2	229.4	236.3
	165	200.7	200.5	208.1	216.6	211.6
	166	218.4	222.9	220.6	231.1	230.3
	167	208.6	215.3	214.2	214.5	213.0
168	225.8	236.5	236.1	242.1	236.3	
169	230.0	231.2	240.8	237.7	237.8	
170	221.5	217.4	227.5	234.6	235.7	
NT6F	251	204.2	205.7	198.6	198.3	203.7
	252	206.0	207.2	202.4	209.1	206.6
	253	181.5	188.2	189.5	188.5	181.8
	254	190.0	192.8	198.7	201.8	204.2
	255	194.7	198.7	200.0	194.5	202.3
	256	185.4	186.6	186.5	188.7	188.5
	257	184.9	197.1	199.1	198.2	190.3
	258	213.3	220.9	224.4	227.9	225.5

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	Animal	Day				
	ID	63	70	77	84	91
NT6F	259	181.4	184.9	192.5	192.3	192.7
	260	170.9	172.0	170.6	174.7	174.1
	261	193.7	198.3	201.6	206.1	198.9
	262	202.7	199.8	205.5	210.7	202.7
	263	199.3	208.4	210.2	209.7	206.1
	264	191.4	195.6	200.8	196.1	201.7
	265	201.6	206.8	219.2	233.3	217.2
	266	194.2	203.3	205.0	209.5	205.1
	267	209.1	216.9	208.6	214.7	216.3
	268	192.8	197.4	200.7	203.7	195.9
	269	190.2	188.9	186.0	191.1	186.5
	270	190.7	191.4	189.5	199.3	200.5
	B0.3F	351	215.2	216.2	212.2	223.2
352		232.6	234.2	232.3	240.6	241.2
353		207.6	224.8	230.4	230.2	218.8
354		218.9	220.4	220.8	219.9	231.0
355		235.5	245.4	243.4	243.8	252.2
356		202.5	210.0	211.1	210.2	218.6
357		198.9	201.3	203.0	204.9	209.8
358		202.7	214.4	220.0	221.4	211.1
359		226.0	232.3	229.5	228.4	235.4
360		217.9	221.1	223.2	223.2	227.7
361		244.7	249.8	247.6	246.6	249.3
362		223.7	230.1	229.3	225.3	233.4
363		203.1	200.3	208.0	213.6	214.2
364		229.9	237.6	238.3	239.1	240.8
365		205.4	211.8	218.6	217.3	215.6
366		220.6	226.2	224.7	224.1	228.1
367		211.1	208.5	219.2	222.4	219.2

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	Animal	Day				
	ID	63	70	77	84	91
B0.3F	368	226.2	229.0	225.4	232.4	232.8
	369	201.0	203.8	198.9	200.1	210.0
	370	197.4	195.7	203.8	205.8	208.1
B3F	451	186.4	190.0	193.3	191.7	185.6
	452	213.1	218.9	222.4	215.0	221.1
	453	205.7	201.0	208.9	205.6	215.8
	454	189.5	197.5	185.6	193.2	201.4
	455	189.3	199.7			
	456	204.1	199.9	194.4	200.7	212.1
	457	225.7	230.3	228.5	228.0	236.1
	458	193.7	195.1	194.0	193.4	195.9
	459	226.6	232.3	234.8	231.1	230.3
	460	187.7	195.3	187.7	195.8	194.8
	461	181.9	182.1	191.6	193.6	185.6
	462	188.9	197.7	199.6	200.1	199.7
	463	198.7	203.1	202.3	204.0	204.5
	464	198.9	198.0	208.4	208.0	210.5
	465	199.5	204.6	212.3	210.8	214.6
	466	200.0	211.1	217.3	208.5	217.8
	467	206.7	212.2	214.5	220.7	215.2
468	216.9	218.0	216.2	223.7	229.2	
469	224.8	224.1	235.8	237.6	237.6	
470	186.0	195.4	200.9	206.3	196.6	
B6F	551	195.9	196.5	202.9	201.7	204.9
	552	170.5	164.8	163.8	172.5	180.9
	553	183.8	187.3	184.0	190.8	197.9
	554	223.6	226.0	227.5	225.9	233.6
	555	215.5	221.3	226.4	226.3	228.0
	556	208.7	209.9	207.0	197.4	206.3

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	Animal	Day				
	ID	63	70	77	84	91
B6F	557	198.0	200.3	194.4	203.8	203.0
	558	202.6	201.3	191.5	200.5	199.7
	559	166.1	172.1	166.5	175.8	176.6
	560	199.1	198.1	202.9	205.2	205.6
	561	189.0	194.1	186.5	193.2	191.7
	562	173.8	177.5	178.4	173.6	183.8
	563	162.4	161.9	164.9	168.5	168.5
	564	190.2	195.1	196.1	191.8	201.7
	565	194.6	198.2	188.2	199.9	201.3
	566	219.6	222.1	225.2	222.9	228.8
	567	221.9	226.4	229.8	229.8	237.0
	568	178.3	183.1	187.2	186.4	183.6
	569	191.8	194.8	191.7	199.4	205.7
	570	198.3	200.9	199.2	204.7	202.9
E0.3F	651	225.2	232.5	239.1	238.4	240.7
	652	221.9	227.6	236.1	238.2	235.5
	653	216.3	215.5	218.5	224.3	231.6
	654	205.2	207.4	218.5	221.8	220.6
	655	199.3	206.5	213.8	205.0	220.7
	656	210.9	211.8	217.6	221.1	221.1
	657	212.5	222.8	227.2	226.7	220.7
	658	216.5	214.8	221.8	229.7	224.8
	659	178.6	189.2	193.2	194.3	186.2
	660	221.4	218.2	222.6	228.3	230.8
	661	214.9	226.4	230.8	226.2	230.5
	662	220.9	228.0	234.3	237.4	234.3
	663	227.0	232.5	229.6	236.2	241.9
	664	204.0	205.8	204.9	215.1	218.9
	665	253.6	256.2	259.3	253.9	262.6

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	Animal	Day				
	ID	63	70	77	84	91
E0.3F	666	202.5	198.9	207.1	210.1	208.9
	667	224.5	229.8	233.8	239.6	240.0
	668	208.7	207.8	219.0	216.6	223.9
	669	191.2	199.9	204.3	207.1	205.7
	670	211.3	220.7	223.6	220.7	231.7
E3F	751	219.6	219.6	231.7	224.6	225.3
	752	196.9	198.0	204.8	197.9	196.2
	753	225.6	233.0	237.2	235.9	226.7
	754	216.7	213.4	216.2	225.6	228.8
	755	219.3	225.0	218.4	227.5	231.2
	756	215.9	218.6	215.9	221.9	220.9
	757	188.0	192.3	188.3	186.3	186.5
	758	219.2	218.7	216.4	225.1	229.7
	759	200.2	201.1	200.3	199.4	200.7
	760	185.9	194.4	194.5	191.7	200.4
	761	213.5	227.4	229.1	232.0	227.1
	762	200.3	205.8	205.0	207.9	204.3
	763	194.6	206.3	211.2	208.4	206.2
	764	231.8	236.1	239.9	239.3	239.8
	765	209.5	207.3	216.5	213.1	214.4
	766	213.9	210.3	225.4	220.5	225.2
	767	230.4	232.3	242.1	241.7	244.5
768	208.8	205.3	217.5	222.3	222.1	
769	212.2	205.8	214.1	214.2	214.0	
770	219.7	215.7	220.5	227.0	221.5	
E6F	851	193.2	191.0	200.1	197.8	200.5
	852	196.4	193.1	191.3	195.7	195.7
	853	207.6	206.4	212.3	207.4	221.8
	854	194.9	202.8	202.5	200.3	202.2

Table C-4. Individual Animal Body Weight (g) Data – Females

Group	Animal	Day				
	ID	63	70	77	84	91
E6F	855	198.2	203.3	204.7	199.8	195.4
	856	182.7	193.1	198.8	196.6	191.8
	857	204.4	199.5	201.0	204.4	206.9
	858	183.0	188.3	190.3	182.2	186.9
	859	198.0	198.9	203.9	204.0	205.4
	860	207.0	205.9	214.2	215.6	220.2
	861	207.0	211.3	215.1	215.9	209.8
	862	197.2	201.1	201.1	203.4	207.5
	863	206.1	207.5	210.0	205.7	213.0
	864	197.3	201.7	207.5	203.2	207.6
	865	208.6	206.3	212.7	209.0	209.2
	866	186.0	189.0	189.8	190.8	194.4
	867	186.8	185.2	193.0	190.9	196.0
	868	169.0	174.0	181.0	178.3	177.3
	869	185.5	184.2	191.9	189.9	192.4
	870	193.8	199.3	203.4	201.1	195.2

Table C-5. TK Individual Animal Body Weight (g) Data – Males

Group	Animal	Day									
	ID	-5	1	7	14	21	28	35	42	49	56
CM	121	113.8	139.4	168.7	206.6	239.0	257.0	274.3	298.8	315.1	334.7
	122	128.6	157.7	195.2	234.8	267.3	288.3	303.1	324.6	334.5	351.2
	123	133.2	158.7	190.6	225.8	256.6	273.6	285.2	305.1	312.6	327.7
	124	141.0	171.9	207.0	252.9	277.3	301.8	318.2	343.6	354.2	375.0
	125	125.5	153.7	189.7	237.3	264.2	289.6	299.2	323.2	335.9	356.8
	126	117.5	143.4	177.9	214.9	236.5	252.0	264.9	285.4	293.6	308.2
NT6M	221	129.0	159.6	189.6	227.5	251.6	275.1	294.9	308.3	316.4	326.8
	222	113.8	135.5	154.7	170.7	188.8	202.1	215.2	228.7	235.4	250.6
	223	132.4	163.1	195.7	239.5	265.8	293.6	310.1	330.5	334.2	353.6
	224	119.1	143.6	172.2	211.8	238.3	259.6	267.6	284.0	289.5	302.6
	225	124.4	152.4	181.8	221.7	248.0	265.9	280.5	295.6	298.9	315.2
	226	136.6	164.5	190.9	232.6	259.7	279.0	287.9	304.8	311.7	331.7
B0.3M	321	126.4	152.9	186.2	227.5	253.7	281.7	297.0	318.3	327.0	347.2
	322	137.3	166.7	205.5	249.0	286.7	317.6	341.3	362.3	376.8	393.6
	323	113.7	137.9	172.6	206.5	238.5	256.2	267.2	284.5	293.4	311.1
	324	115.0	143.2	181.1	225.4	257.4	277.4	300.2	317.9	328.0	341.8
	325	130.9	161.5	193.8	235.0	262.5	285.6	300.7	323.9	335.5	355.6
	326	135.1	165.2	201.8	238.5	268.9	285.5	302.2	328.8	339.5	355.6
B3M	421	135.5	162.1	197.0	233.9	262.2	283.3	297.5	309.0	316.6	328.7
	422	130.4	157.5	184.8	223.5	250.3	269.1	280.0	296.1	300.4	315.8
	423	131.4	157.7	190.8	240.8	277.5	304.8	322.6	348.9	365.4	391.4
	424	124.8	153.3	186.7	226.0	256.1	277.2	287.4	305.6	311.5	330.5
	425	122.5	148.8	179.9	225.2	256.0	275.0	288.4	310.4	319.6	334.7
	426	112.5	139.4	172.5	211.9	236.4	251.6	259.4	280.6	286.0	312.3
B6M	521	123.2	155.3	185.2	221.7	244.1	263.2	269.8	285.7	293.5	309.4
	522	133.5	167.4	202.3	239.2	270.3	289.8	304.7	319.2	329.7	340.8
	523	127.6	159.4	191.3	232.1	261.9	284.6	297.2	309.5	318.3	336.8
	524	123.9	148.7	175.3	209.3	237.0	250.3	258.5	275.4	282.3	293.0
	525	141.2	173.2	201.1	243.9	272.3	297.3	319.0	338.6	352.4	372.5

Table C-5. TK Individual Animal Body Weight (g) Data – Males

Group	Animal	Day									
	ID	-5	1	7	14	21	28	35	42	49	56
B6M	526	111.0	141.7	167.9	207.0	230.7	248.7	262.4	275.1	286.7	297.6
E0.3M	621	129.4	157.6	199.1	241.8	271.0	297.4	313.8	330.8	338.1	359.8
	622	111.6	138.5	175.8	218.4	245.9	265.8	284.6	304.3	322.3	344.9
	623	141.3	176.3	214.7	262.2	294.3	316.5	319.5	359.3	368.3	390.3
	624	125.4	153.5	185.8	230.5	260.5	281.0	283.9	307.3	314.2	333.0
	625	119.4	152.6	185.4	231.2	261.0	288.6	300.0	323.6	334.1	358.8
	626	132.5	163.0	191.5	228.4	246.3	262.7	273.6	285.7	294.3	307.6
E3M	721	124.9	151.3	185.0	228.8	251.2	280.5	291.5	309.3	321.5	335.7
	722	134.6	164.2	194.9	224.5	246.6	261.3	271.7	275.8	283.8	303.9
	723	135.8	169.1	205.0	253.4	281.9	300.6	310.5	329.6	339.1	357.0
	724	127.5	157.3	187.7	234.7	263.1	282.7	299.8	318.5	323.0	334.0
	725	114.2	145.7	177.6	216.0	244.4	270.1	284.2	298.6	307.0	319.4
	726	121.6	152.0	183.1	226.9	257.0	287.3	305.2	326.5	339.5	356.4
E6M	821	134.3	159.8	188.5	230.4	255.2	278.6	291.4	310.2	321.2	334.4
	822	127.0	142.4	182.3	225.8	250.0	274.2	293.7	307.0	317.6	339.6
	823	118.2	144.1	170.3	205.6	234.4	259.4	280.8	294.0	312.6	326.9
	824	113.6	142.9	174.5	213.3	237.4	256.8	273.4	282.1	290.5	307.1
	825	140.9	148.9	183.9	224.1	246.2	268.4	281.3	304.4	311.2	330.9
	826	130.6	138.3	182.2	222.1	252.7	277.7	293.8	309.0	327.5	349.6

Table C-5. TK Individual Animal Body Weight (g) Data – Males

Group	Animal	Day				
	ID	63	70	77	84	91
CM	121	338.7	358.3	370.2	372.9	383.2
	122	354.5	370.1	375.7	384.8	394.1
	123	331.4	343.3	351.9	360.4	372.2
	124	374.8	392.6	402.2	409.2	419.8
	125	366.3	376.0	386.5	399.4	406.4
	126	311.7	320.0	324.6	332.6	344.1
NT6M	221	333.5	350.3	350.8	362.9	362.5
	222	259.1	266.5	274.1	282.4	291.7
	223	361.1	372.8	379.0	391.8	393.8
	224	303.9	312.9	320.4	329.3	332.0
	225	313.3	324.7	326.6	339.0	347.3
	226	331.8	343.9	353.0	363.4	367.6
B0.3M	321	341.5	362.5	364.8	374.7	376.8
	322	402.3	420.2	431.1	437.4	449.2
	323	314.0	327.9	334.3	341.5	346.6
	324	344.6	355.7	365.7	381.6	386.0
	325	358.8	368.8	376.9	390.6	397.1
	326	361.3	378.1	385.5	397.5	411.2
B3M	421	336.3	346.1	354.1	361.2	367.3
	422	321.7	332.3	338.3	349.0	356.8
	423	391.7	418.4	429.7	441.0	450.9
	424	339.8	355.6	365.2	374.4	383.4
	425	335.6	346.2	355.8	371.4	374.1
	426	315.7	327.6	334.4	348.0	349.3
B6M	521	311.1	324.0	328.9	334.9	339.5
	522	347.7	360.3	367.4	373.3	378.4
	523	340.3	356.2	358.6	369.9	375.6
	524	294.7	306.7	311.7	321.3	327.8
	525	372.1	385.9	389.1	399.9	408.2

Table C-5. TK Individual Animal Body Weight (g) Data – Males

Group	Animal	Day				
	ID	63	70	77	84	91
B6M	526	304.8	315.9	322.0	328.9	339.4
E0.3M	621	363.0	375.4	384.7	390.7	394.5
	622	350.8	360.6	377.5	393.8	403.0
	623	394.3	412.6	420.8	432.2	434.2
	624	336.6	345.9	358.5	371.5	377.5
	625	365.0	377.2	384.8	397.0	401.0
	626	306.5	316.8	326.8	333.0	336.2
E3M	721	344.4	349.3	347.1	359.6	367.1
	722	312.0	323.3	325.9	338.7	351.7
	723	362.7	375.4	391.1	403.7	409.7
	724	344.0	347.1	349.9	364.6	366.4
	725	328.3	338.0	343.9	350.5	359.4
	726	366.2	378.0	396.4	413.2	418.7
E6M	821	334.8	340.2	351.7	358.1	362.0
	822	348.9	357.2	370.6	387.5	393.5
	823	328.6	342.6	343.4	353.8	359.8
	824	316.6	327.4	328.3	343.7	352.4
	825	333.4	346.3	358.4	364.1	369.6
	826	351.6	365.9	376.4	389.2	394.1

Table C-6. TK Individual Animal Body Weight (g) Data – Females

Group	Animal	Day									
	ID	-6	1	7	14	21	28	35	42	49	56
CF	171	109.7	135.4	157.9	175.6	190.3	183.5	210.3	216.7	224.9	234.4
	172	113.2	137.7	162.7	184.1	200.4	198.4	224.9	228.7	241.8	248.3
	173	99.8	120.5	139.6	157.9	170.9	172.7	195.1	200.2	206.9	213.9
	174	110.7	132.7	144.6	168.3	184.6	181.6	196.5	210.4	222.0	227.2
	175	114.8	127.3	146.5	157.9	171.3	166.2	186.2	191.8	204.1	195.9
	176	106.1	127.8	147.5	167.1	173.2	176.8	188.1	204.9	218.9	221.5
NT6F	271	107.6	127.4	140.0	147.3	172.4	178.6	191.0	193.6	196.5	206.9
	272	120.2	140.5	149.0	171.6	178.9	182.6	186.8	197.4	199.2	203.5
	273	105.2	122.7	131.5	143.3	151.4	153.3	165.1	170.6	177.0	176.6
	274	97.7	120.5	135.0	147.8	162.0	168.4	175.5	172.7	177.8	187.8
	275	110.0	124.6	137.1	142.1	158.1	166.7	173.0	175.4	181.8	190.2
	276	112.7	128.9	127.8	149.5	163.8	168.6	180.2	185.6	186.7	185.1
B0.3F	371	112.6	130.9	151.8	166.0	170.5	182.4	192.1	198.6	198.4	206.1
	372	119.2	139.6	157.1	175.9	185.4	183.3	208.4	218.0	219.3	219.7
	373	107.9	119.2	144.7	158.2	168.1	174.7	174.9	193.6	200.6	202.4
	374	110.3	130.8	138.7	164.0	180.3	189.7	193.5	212.0	216.6	218.0
	375	106.5	122.4	130.0	151.9	158.5	161.6	169.1	176.2	177.9	183.7
	376	102.7	120.8	138.0	161.9	179.5	186.1	203.6	207.3	209.6	218.6
B3F	471	100.3	116.2	127.6	142.0	150.0	164.1	170.4	169.6	177.2	186.4
	472	110.6	124.1	136.0	144.5	161.4	170.8	177.8	180.2	184.6	190.1
	473	115.3	137.7	160.0	177.4	183.5	202.7	215.3	218.2	220.2	230.1
	474	112.0	135.4	151.8	171.0	176.0	195.9	196.5	197.6	205.7	213.6
	475	107.2	126.5	136.4	137.7	158.5	166.1	173.3	176.5	188.3	190.2
	476	104.8	126.7	136.4	162.7	163.6	182.5	178.0	187.5	206.6	206.0
B6F	571	112.0	135.1	140.4	156.7	161.1	173.1	180.7	180.3	185.2	187.9
	572	99.7	125.7	140.9	160.9	169.6	186.3	193.7	194.7	198.9	209.0
	573	110.6	133.5	142.2	153.0	163.7	171.1	177.4	178.3	186.9	194.0
	574	119.7	139.6	144.7	152.9	169.4	167.0	180.0	187.3	193.5	187.6
	575	103.1	122.4	134.1	136.9	155.8	160.5	176.1	177.8	185.0	190.8

Table C-6. TK Individual Animal Body Weight (g) Data – Females

Group	Animal	Day									
	ID	-6	1	7	14	21	28	35	42	49	56
B6F	576	109.6	133.8	137.9	151.3	169.3	179.2	183.1	192.5	201.3	205.1
E0.3F	671	109.1	127.2	144.6	161.5	171.2	175.5	195.6	195.9	201.4	203.5
	672	103.4	125.5	141.6	161.7	176.6	178.9	196.7	207.4	214.0	212.5
	673	100.9	113.5	126.0	139.3	151.9	146.3	160.8	167.2	171.6	167.3
	674	110.1	128.5	144.1	152.6	172.2	183.5	189.9	194.6	202.5	209.6
	675	111.8	130.0	145.1	149.8	172.9	180.8	185.0	191.6	195.2	208.5
	676	119.3	137.5	163.2	182.8	186.3	201.1	218.8	225.6	227.6	237.5
E3F	771	113.3	137.4	146.7	167.9	179.9	180.6	198.3	202.8	205.2	207.5
	772	111.3	134.9	148.8	164.5	176.3	182.5	197.4	207.7	211.2	203.6
	773	106.1	124.6	149.7	168.4	184.9	206.0	218.5	226.2	229.4	238.5
	774	112.2	139.1	152.3	166.3	181.7	189.1	196.6	195.1	199.3	206.8
	775	102.7	123.4	136.6	155.5	164.2	173.3	177.5	189.2	193.7	197.6
	776	108.3	127.1	138.6	153.1	164.0	163.0	179.2	176.2	179.2	184.4
E6F	871	109.8	130.5	144.2	152.3	167.4	177.9	185.0	186.8	192.7	198.5
	872	107.7	133.4	146.5	166.4	179.0	178.3	201.7	211.3	216.2	215.1
	873	115.1	140.4	153.4	161.4	173.0	182.8	182.8	189.0	198.5	201.3
	874	98.6	116.6	129.0	142.3	146.7	157.6	167.4	164.2	170.5	174.4
	875	106.1	126.6	144.5	159.8	180.1	183.3	200.6	214.1	217.3	210.2
	876	112.8	135.5	150.8	161.4	177.8	190.7	188.7	203.8	210.8	216.0

Table C-6. TK Individual Animal Body Weight (g) Data – Females

Group	Animal	Day				
	ID	63	70	77	84	91
CF	171	230.8	234.7	238.1	245.9	252.1
	172	251.5	248.4	260.2	266.8	267.5
	173	216.3	219.3	223.3	228.8	230.2
	174	238.0	238.6	243.8	245.1	250.5
	175	212.3	217.9	216.9	218.6	216.1
	176	219.8	231.1	240.1	243.8	242.4
NT6F	271	211.1	201.8	205.8	208.3	206.8
	272	202.2	210.5	212.7	214.0	208.0
	273	183.7	176.5	187.4	182.0	189.6
	274	186.4	187.4	191.8	193.9	196.3
	275	193.5	193.7	195.5	199.3	198.3
	276	200.0	204.3	203.7	198.0	202.7
B0.3F	371	212.3	213.7	213.7	216.8	222.2
	372	235.8	234.9	242.3	241.0	249.3
	373	205.4	211.0	223.3	222.6	220.3
	374	231.7	235.3	240.2	235.3	241.5
	375	190.9	186.8	193.9	198.4	200.5
	376	225.2	225.6	219.7	238.4	227.6
B3F	471	191.7	186.3	190.4	188.8	196.9
	472	194.8	197.5	196.5	201.8	202.6
	473	237.2	238.1	244.1	241.2	250.0
	474	211.7	210.2	218.1	217.8	222.3
	475	191.7	191.9	202.1	203.9	199.0
	476	205.5	213.5	224.6	215.0	221.1
B6F	571	207.8	212.9	199.2	205.1	203.3
	572	214.6	218.3	216.1	226.6	226.1
	573	200.9	203.7	207.1	213.7	209.6
	574	203.2	205.1	206.7	201.5	211.7
	575	195.5	194.7	200.7	203.5	205.2

Table C-6. TK Individual Animal Body Weight (g) Data – Females

Group	Animal	Day				
	ID	63	70	77	84	91
B6F	576	206.1	211.8	216.5	217.5	218.5
E0.3F	671	207.9	215.9	219.4	221.0	223.6
	672	223.7	228.1	231.7	230.6	234.5
	673	182.3	182.7	184.0	183.3	195.4
	674	215.4	214.1	224.3	226.8	227.2
	675	208.9	207.7	212.1	216.3	219.8
	676	239.4	243.3	247.4	257.3	257.2
E3F	771	222.7	224.0	225.3	232.9	236.6
	772	220.9	226.2	229.8	228.5	235.2
	773	245.2	249.3	253.0	261.0	267.9
	774	206.0	208.0	213.8	216.3	219.1
	775	200.7	200.9	209.1	209.5	212.9
	776	193.9	190.0	195.4	198.1	202.0
E6F	871	197.7	203.5	202.8	209.4	204.9
	872	228.7	231.4	234.6	236.6	244.5
	873	215.8	214.6	220.3	222.9	217.8
	874	182.2	184.3	186.0	181.5	185.7
	875	225.2	229.3	222.0	226.9	227.6
	876	216.3	224.8	231.2	227.2	226.2

Table C-7. Individual Animal Feed Consumed (g) per Day Data – Males

Group	Animal	Day									
	ID	7	14	21	28	35	42	49	56	63	70
CM	101	19.7	21.1	22.0	21.1	21.4	21.6	23.4	22.4	20.7	21.1
	102	19.7	21.1	22.0	21.1	21.4	21.6	23.4	22.4	20.7	21.1
	103	19.1	21.0	23.0	22.0	23.1	23.6	25.2	23.1	22.3	23.2
	104	19.1	21.0	23.0	22.0	23.1	23.6	25.2	23.1	22.3	23.2
	105	20.2	20.9	20.6	21.0	18.9	20.3	20.8	20.3	18.9	19.7
	106	20.2	20.9	20.6	21.0	18.9	20.3	20.8	20.3	18.9	19.7
	107	22.4	23.5	24.0	26.1	26.3	25.6	23.5	23.5	22.3	22.2
	108	22.4	23.5	24.0	26.1	26.3	25.6	23.5	23.5	22.3	22.2
	109	20.1	20.1	20.9	20.6	21.4	21.6	22.2	22.1	22.5	23.0
	110	20.1	20.1	20.9	20.6	21.4	21.6	22.2	22.1	22.5	23.0
	111	20.7	22.5	23.9	24.0	22.1	22.9	22.7	23.3	22.0	22.1
	112	20.7	22.5	23.9	24.0	22.1	22.9	22.7	23.3	22.0	22.1
	113	20.2	22.6	24.1	23.2	22.0	21.6	21.8	21.3	21.1	15.5
	114	20.2	22.6	24.1	23.2	22.0	21.6	21.8	21.3	21.1	15.5
	115	18.6	20.7	21.1	20.9	22.3	27.7	22.0	22.0	21.2	21.6
	116	18.6	20.7	21.1	20.9	22.3	27.7	22.0	22.0	21.2	21.6
	117	21.1	22.8	22.2	22.8	23.1	23.0	23.1	23.8	22.3	23.0
	118	21.1	22.8	22.2	22.8	23.1	23.0	23.1	23.8	22.3	23.0
	119	19.7	22.2	23.4	23.1	22.3	21.7	20.9	23.3	23.1	22.5
	120	19.7	22.2	23.4	23.1	22.3	21.7	20.9	23.3	23.1	22.5
NT6M	201	18.6	20.9	23.0	21.4	20.1	21.1	22.0	21.5	20.4	19.3
	202	18.6	20.9	23.0	21.4	20.1	21.1	22.0	21.5	20.4	19.3
	203	17.9	19.7	21.6	21.8	19.9	20.1	20.5	19.9	20.0	19.7
	204	17.9	19.7	21.6	21.8	19.9	20.1	20.5	19.9	20.0	19.7
	205	17.6	19.2	20.0	20.6	19.0	19.9	19.8	20.5	19.3	19.5
	206	17.6	19.2	20.0	20.6	19.0	19.9	19.8	20.5	19.3	19.5
	207	17.6	19.8	19.5	20.3	18.6	19.0	20.3	20.7	18.8	19.6
	208	17.6	19.8	19.5	20.3	18.6	19.0	20.3	20.7	18.8	19.6
	209	20.9	21.6	22.6	22.7	21.7	21.2	21.9	21.6	21.4	21.5

Table C-7. Individual Animal Feed Consumed (g) per Day Data – Males

Group	Animal	Day									
	ID	7	14	21	28	35	42	49	56	63	70
NT6M	210	20.9	21.6	22.6	22.7	21.7	21.2	21.9	21.6	21.4	21.5
	211	18.5	21.4	24.6	25.8	24.3	24.7	23.4	23.1	21.4	21.2
	212	18.5	21.4	24.6	25.8	24.3	24.7	23.4	23.1	21.4	21.2
	213	17.6	18.2	19.9	19.7	19.7	20.5	20.4	20.2	20.5	19.5
	214	17.6	18.2	19.9	19.7	19.7	20.5	20.4	20.2	20.5	19.5
	215	18.8	20.8	19.7	20.0	19.6	20.5	19.9	20.0	19.4	19.7
	216	18.8	20.8	19.7	20.0	19.6	20.5	19.9	20.0	19.4	19.7
	217	16.9	18.2	18.7	18.3	17.7	17.3	19.2	18.9	18.2	17.8
	218	16.9	18.2	18.7	18.3	17.7	17.3	19.2	18.9	18.2	17.8
	219	19.4	21.9	23.0	23.1	21.0	21.7	22.9	23.6	22.9	26.1
	220	19.4	21.9	23.0	23.1	21.0	21.7	22.9	23.6	22.9	26.1
B0.3M	301	21.4	24.2	26.4	33.3	28.4	27.6	24.0	25.5	21.1	25.9
	302	21.4	24.2	26.4	33.3	28.4	27.6	24.0	25.5	21.1	25.9
	303	19.0	21.6	23.4	23.0	22.7	21.0	20.3	20.7	20.4	19.7
	304	19.0	21.6	23.4	23.0	22.7	21.0	20.3	20.7	20.4	19.7
	305	21.1	22.9	23.1	23.6	28.9	24.8	23.0	23.0	21.9	22.0
	306	21.1	22.9	23.1	23.6	28.9	24.8	23.0	23.0	21.9	22.0
	307	20.7	21.8	23.2	22.5	22.3	23.0	23.1	24.0	22.5	22.1
	308	20.7	21.8	23.2	22.5	22.3	23.0	23.1	24.0	22.5	22.1
	309	21.3	23.1	24.0	22.3	21.8	21.2	21.9	20.7	20.9	20.7
	310	21.3	23.1	24.0	22.3	21.8	21.2	21.9	20.7	20.9	20.7
	311	21.4	23.4	23.4	23.0	21.5	22.6	22.4	21.2	21.3	20.5
	312	21.4	23.4	23.4	23.0	21.5	22.6	22.4	21.2	21.3	20.5
	313	21.9	22.1	23.9	22.2	22.0	22.7	21.7	21.3	21.0	21.6
	314	21.9	22.1	23.9	22.2	22.0	22.7	21.7	21.3	21.0	21.6
	315	21.0	22.4	23.7	24.6	24.3	23.8	23.1	23.0	21.8	21.3
	316	21.0	22.4	23.7	24.6	24.3	23.8	23.1	23.0	21.8	21.3
	317	21.6	23.5	25.0	29.3	26.3	24.8	23.5	23.8	22.7	21.8
	318	21.6	23.5	25.0	29.3	26.3	24.8	23.5	23.8	22.7	21.8

Table C-7. Individual Animal Feed Consumed (g) per Day Data – Males

Group	Animal	Day									
	ID	7	14	21	28	35	42	49	56	63	70
B0.3M	319	21.6	23.4	23.0	21.9	22.7		21.0	20.9	20.9	20.9
	320	21.6	23.4	23.0	21.9	22.7		21.0	20.9	20.9	20.9
	401	21.0	22.0	21.9	21.2	20.5	21.5	23.0	22.7	21.3	22.8
	402	21.0	22.0	21.9	21.2	20.5	21.5	23.0	22.7	21.3	22.8
	403	16.2	16.5	16.6	20.5	20.2	20.7	20.4	20.8	20.5	20.5
	404	16.2	16.5	16.6	20.5	20.2	20.7	20.4	20.8	20.5	20.5
	405	19.2	21.6	22.7	22.6	25.0	25.4	23.6	23.7	24.1	24.4
	406	19.2	21.6	22.7	22.6	25.0	25.4	23.6	23.7	24.1	24.4
	407	21.0	23.0	22.8	22.2	20.6	20.2	20.4	21.5	21.1	21.0
	408	21.0	23.0	22.8	22.2	20.6	20.2	20.4	21.5	21.1	21.0
	409	19.6	20.0	21.4	21.5	20.8	20.7	20.9	21.1	20.6	20.7
	410	19.6	20.0	21.4	21.5	20.8	20.7	20.9	21.1	20.6	20.7
	411	21.2	23.0	23.7	23.0	22.5	27.0	28.0	26.6	25.3	26.4
	412	21.2	23.0	23.7	23.0	22.5	27.0	28.0	26.6	25.3	26.4
	413	18.1	19.7	20.3	20.8	19.4	18.8	19.1	18.7	18.7	18.5
	414	18.1	19.7	20.3	20.8	19.4	18.8	19.1	18.7	18.7	18.5
	415	20.9	23.9	23.1	24.6	28.2	24.6	23.7	24.8	22.7	22.2
	416	20.9	23.9	23.1	24.6	28.2	24.6	23.7	24.8	22.7	22.2
	417	17.4	19.2	20.6	20.1	20.7	20.6	21.0	22.4	21.0	20.8
	418	17.4	19.2	20.6	20.1	20.7	20.6	21.0	22.4	21.0	20.8
	419	21.3	22.2	23.3	22.9	21.8	21.6	21.2	21.6	21.7	21.8
	420	21.3	22.2	23.3	22.9	21.8	21.6	21.2	21.6	21.7	21.8
B6M	501	17.6	20.0	20.1	19.5	18.4	18.8	18.6	19.5	18.9	18.2
	502	17.6	20.0	20.1	19.5	18.4	18.8	18.6	19.5	18.9	18.2
	503	15.9	18.3	19.2	20.0	19.7	20.3	22.3	22.2	20.3	20.3
	504	15.9	18.3	19.2	20.0	19.7	20.3	22.3	22.2	20.3	20.3
	505	18.0	19.3	20.0	20.3	19.2	22.9	22.4	21.8	20.4	19.9
	506	18.0	19.3	20.0	20.3	19.2	22.9	22.4	21.8	20.4	19.9
	507	14.9	16.1	16.5	15.4	16.0	17.1	17.7	18.5	18.4	17.6

Table C-7. Individual Animal Feed Consumed (g) per Day Data – Males

Group	Animal	Day									
	ID	7	14	21	28	35	42	49	56	63	70
B6M	508	14.9	16.1	16.5	15.4	16.0	17.1	17.7	18.5	18.4	17.6
	509	20.1	21.6	23.8	25.6	24.9		23.0	23.1	22.9	22.7
	510	20.1	21.6	23.8	25.6	24.9		23.0	23.1	22.9	22.7
	511	18.7	21.2	20.8	20.5	19.1	21.1	21.7	23.8	21.6	20.9
	512	18.7	21.2	20.8	20.5	19.1	21.1	21.7	23.8	21.6	20.9
	513	19.8	21.4	20.4	19.1	19.1	19.8	19.7	20.0	18.6	19.4
	514	19.8	21.4	20.4	19.1	19.1	19.8	19.7	20.0	18.6	19.4
	515	19.9	20.6	20.1	19.4	22.9	21.1	22.9	23.2	22.5	21.6
	516	19.9	20.6	20.1	19.4	22.9	21.1	22.9	23.2	22.5	21.6
	517	15.7	19.9	20.3	20.6	18.8	20.1	20.4	21.1	20.3	19.8
	518	15.7	19.9	20.3	20.6	18.8	20.1	20.4	21.1	20.3	19.8
	519	19.5	20.9	22.2	21.5	19.4	20.1	19.1	20.5	20.7	19.0
	520	19.5	20.9	22.2	21.5	19.4	20.1	19.1	20.5	20.7	19.0
E0.3M	601	21.8	24.9	24.2	24.8	25.4	25.0	24.3	24.3	22.3	23.4
	602	21.8	24.9	24.2	24.8	25.4	25.0	24.3	24.3	22.3	23.4
	603	19.6	21.0	22.2	22.5	24.0	23.6	22.9	24.2	21.9	23.1
	604	19.6	21.0	22.2	22.5	24.0	23.6	22.9	24.2	21.9	23.1
	605	20.3	22.1	23.5	24.2	24.2	23.2	22.3	23.0	20.8	21.9
	606	20.3	22.1	23.5	24.2	24.2	23.2	22.3	23.0	20.8	21.9
	607	20.1	20.9	21.9	20.2	20.0	20.3	21.4	22.2	20.1	20.9
	608	20.1	20.9	21.9	20.2	20.0	20.3	21.4	22.2	20.1	20.9
	609	21.1	22.4	23.0	24.2	22.0	22.1	22.9	23.0	22.8	21.8
	610	21.1	22.4	23.0	24.2	22.0	22.1	22.9	23.0	22.8	21.8
	611	18.9	21.9	22.9	22.2	23.0	21.5	21.5	22.3	19.1	21.3
	612	18.9	21.9	22.9	22.2	23.0	21.5	21.5	22.3	19.1	21.3
	613	19.5	21.2	22.8	22.2	25.7	25.0	21.0	22.2	20.5	21.5
	614	19.5	21.2	22.8	22.2	25.7	25.0	21.0	22.2	20.5	21.5
	615	22.0	23.1	23.8	24.1	24.6	24.8	23.2	25.2	23.5	22.7
	616	22.0	23.1	23.8	24.1	24.6	24.8	23.2	25.2	23.5	22.7

Table C-7. Individual Animal Feed Consumed (g) per Day Data – Males

Group	Animal ID	Day									
		7	14	21	28	35	42	49	56	63	70
E0.3M	617	20.5	21.6	22.0	21.3	21.3	19.7	20.2	21.1	20.7	19.5
	618	20.5	21.6	22.0	21.3	21.3	19.7	20.2	21.1	20.7	19.5
	619	22.2	22.9	24.2	23.9	24.1	24.0	22.5	23.4	24.1	25.0
	620	22.2	22.9	24.2	23.9	24.1	24.0	22.5	23.4	24.1	25.0
E3M	701	21.0	22.4	23.5	22.4	23.4	24.2	23.2	23.8	22.8	23.4
	702	21.0	22.4	23.5	22.4	23.4	24.2	23.2	23.8	22.8	23.4
	703	18.7	21.4	22.8	23.9	24.0	21.9	22.7	23.0	23.0	22.8
	704	18.7	21.4	22.8	23.9	24.0	21.9	22.7	23.0	23.0	22.8
	705	18.2	20.8	21.7	22.3	23.1	22.8	22.4	22.1	21.6	21.5
	706	18.2	20.8	21.7	22.3	23.1	22.8	22.4	22.1	21.6	21.5
	707	20.9	21.5	23.1	22.6	23.1	24.3	23.8	25.6	24.6	25.0
	708	20.9	21.5	23.1	22.6	23.1	24.3	23.8	25.6	24.6	25.0
	709	19.1	21.5	22.6	21.6	22.8	23.2	23.3	24.2	23.0	24.7
	710	19.1	21.5	22.6	21.6	22.8	23.2	23.3	24.2	23.0	24.7
	711	20.8	22.6	23.5	23.6	24.3	22.9	22.3	21.5	22.0	21.8
	712	20.8	22.6	23.5	23.6	24.3	22.9	22.3	21.5	22.0	21.8
	713	20.2	20.3	22.5	22.1	22.8	22.7	23.8	23.8	22.3	24.0
	714	20.2	20.3	22.5	22.1	22.8	22.7	23.8	23.8	22.3	24.0
	715	21.1	28.3	24.0	32.5	27.2	26.1	25.3	31.1	25.4	25.1
	716	21.1	28.3	24.0	32.5	27.2	26.1	25.3	31.1	25.4	25.1
717	18.4	19.6	32.2	19.3	20.7	21.3	21.8	22.1	20.8	20.8	
718	18.4	19.6	32.2	19.3	20.7	21.3	21.8	22.1	20.8	20.8	
719	19.7	21.4	22.9	22.6	22.4	22.7	22.3	23.1	22.2	22.3	
720	19.7	21.4	22.9	22.6	22.4	22.7	22.3	23.1	22.2	22.3	
E6M	801	18.4	20.9	22.1	22.3	22.1	22.4	23.3	25.6	22.5	22.3
	802	18.4	20.9	22.1	22.3	22.1	22.4	23.3	25.6	22.5	22.3
	803	17.5	20.1	20.3	20.5	19.0	19.7	20.7	20.9	19.4	20.3
	804	17.5	20.1	20.3	20.5	19.0	19.7	20.7	20.9	19.4	20.3
	805	18.4	20.1	22.0	21.3	21.2	21.4	20.9	23.0	21.4	20.5

Table C-7. Individual Animal Feed Consumed (g) per Day Data – Males

Group	Animal ID	Day									
		7	14	21	28	35	42	49	56	63	70
E6M	806	18.4	20.1	22.0	21.3	21.2	21.4	20.9	23.0	21.4	20.5
	807	16.7	18.7	20.3	22.0	22.9	21.6	22.8	24.0	21.2	22.0
	808	16.7	18.7	20.3	22.0	22.9	21.6	22.8	24.0	21.2	22.0
	809	18.8	19.9	21.2	21.9	21.1	20.8	20.1	19.9	20.0	20.3
	810	18.8	19.9	21.2	21.9	21.1	20.8	20.1	19.9	20.0	20.3
	811	20.3	22.6	24.2	26.0	23.2	24.4	24.6	26.5	24.0	22.1
	812	20.3	22.6	24.2	26.0	23.2	24.4	24.6	26.5	24.0	22.1
	813	18.2	20.2	22.9	24.3	24.4	23.5	23.9	26.5	22.7	21.5
	814	18.2	20.2	22.9	24.3	24.4	23.5	23.9	26.5	22.7	21.5
	815	19.5	21.9	22.8	23.0	22.6	23.6	22.5	26.5	22.5	21.5
	816	19.5	21.9	22.8	23.0	22.6	23.6	22.5	26.5	22.5	21.5
	817	18.1	20.6	22.5	21.6	21.1	20.8	20.2	23.4	21.1	21.0
	818	18.1	20.6	22.5	21.6	21.1	20.8	20.2	23.4	21.1	21.0
	819	17.9	19.3	21.3	20.1	19.8	19.8	20.1	22.4	20.0	19.3
	820	17.9	19.3	21.3	20.1	19.8	19.8	20.1	22.4	20.0	19.3

Table C-7. Individual Animal Feed Consumed (g) per Day Data – Males

Group	Animal	Day		
	ID	77	84	91
CM	101	21.0	21.8	20.5
	102	21.0	21.8	20.5
	103	23.9	23.2	22.6
	104	23.9	23.2	22.6
	105	19.1	20.7	19.4
	106	19.1	20.7	19.4
	107	22.4	22.1	21.5
	108	22.4	22.1	21.5
	109	23.0	23.0	23.6
	110	23.0	23.0	23.6
	111	22.7	22.5	22.3
	112	22.7	22.5	22.3
	113	21.5	21.6	21.9
	114	21.5	21.6	21.9
	115	20.5	20.0	19.4
	116	20.5	20.0	19.4
	117	23.1	22.6	20.9
	118	23.1	22.6	20.9
	119	22.4	21.1	22.7
	120	22.4	21.1	22.7
NT6M	201	19.7	20.5	19.7
	202	19.7	20.5	19.7
	203	19.3	20.0	20.8
	204	19.3	20.0	20.8
	205	19.2	19.3	20.7
	206	19.2	19.3	20.7
	207	18.9	18.8	18.1
	208	18.9	18.8	18.1

Table C-7. Individual Animal Feed Consumed (g) per Day Data – Males

Group	Animal ID	Day		
		77	84	91
NT6M	209	21.8	20.9	20.1
	210	21.8	20.9	20.1
	211	23.2	23.0	19.8
	212	23.2	23.0	19.8
	213	19.9	20.3	20.1
	214	19.9	20.3	20.1
	215	18.6	18.5	18.0
	216	18.6	18.5	18.0
	217	17.0	16.6	15.0
	218	17.0	16.6	15.0
	219	24.1	22.5	22.2
	220	24.1	22.5	22.2
B0.3M	301	25.3	24.9	24.2
	302	25.3	24.9	24.2
	303	19.5	20.4	19.8
	304	19.5	20.4	19.8
	305	21.7	21.9	21.7
	306	21.7	21.9	21.7
	307	21.0	21.4	23.2
	308	21.0	21.4	23.2
	309	20.6	20.3	20.5
	310	20.6	20.3	20.5
	311	20.8	22.1	21.9
	312	20.8	22.1	21.9
	313	20.8	20.8	20.5
	314	20.8	20.8	20.5
	315	20.7	21.3	21.7
	316	20.7	21.3	21.7
	317	21.0	20.9	20.6

Table C-7. Individual Animal Feed Consumed (g) per Day Data – Males

Group	Animal ID	Day		
		77	84	91
B0.3M	318	21.0	20.9	20.6
	319	20.6	19.7	20.1
	320	20.6	19.7	20.1
B3M	401	24.5	25.3	24.6
	402	24.5	25.3	24.6
	403	20.5	20.3	21.6
	404	20.5	20.3	21.6
	405	22.8	23.9	24.9
	406	22.8	23.9	24.9
	407	22.1	23.6	20.8
	408	22.1	23.6	20.8
	409	21.3	21.5	21.6
	410	21.3	21.5	21.6
	411	25.3	24.7	
	412	25.3	24.7	
	413	18.2	18.8	19.4
	414	18.2	18.8	19.4
	415	22.2	22.7	22.3
	416	22.2	22.7	22.3
	417	20.0	20.5	19.1
418	20.0	20.5	19.1	
419	20.4	21.3	21.8	
420	20.4	21.3	21.8	
B6M	501	18.1	19.9	20.2
	502	18.1	19.9	20.2
	503	20.1	21.3	21.6
	504	20.1	21.3	21.6
	505	19.9	19.6	18.6
	506	19.9	19.6	18.6

Table C-7. Individual Animal Feed Consumed (g) per Day Data – Males

Group	Animal ID	Day		
		77	84	91
B6M	507	17.0	18.2	18.0
	508	17.0	18.2	18.0
	509	22.6	24.0	23.6
	510	22.6	24.0	23.6
	511	20.0	22.5	22.0
	512	20.0	22.5	22.0
	513	19.0	18.7	18.9
	514	19.0	18.7	18.9
	515	22.4	24.0	26.2
	516	22.4	24.0	26.2
	517	19.2	20.3	19.7
	518	19.2	20.3	19.7
	519	20.3	19.3	19.6
	520	20.3	19.3	19.6
E0.3M	601	24.0	24.1	22.8
	602	24.0	24.1	22.8
	603	22.4	22.2	23.0
	604	22.4	22.2	23.0
	605	22.6	21.3	21.3
	606	22.6	21.3	21.3
	607	20.9	20.7	19.1
	608	20.9	20.7	19.1
	609	22.9	22.1	22.0
	610	22.9	22.1	22.0
	611	21.4	21.2	21.2
	612	21.4	21.2	21.2
	613	20.9	21.9	21.6
	614	20.9	21.9	21.6
	615	22.1	22.1	21.1

Table C-7. Individual Animal Feed Consumed (g) per Day Data – Males

Group	Animal ID	Day		
		77	84	91
E0.3M	616	22.1	22.1	21.1
	617	19.4	18.8	19.9
	618	19.4	18.8	19.9
	619	24.2	23.3	23.5
	620	24.2	23.3	23.5
E3M	701	22.5	24.9	23.7
	702	22.5	24.9	23.7
	703	21.6	22.4	22.8
	704	21.6	22.4	22.8
	705	21.4	22.5	20.7
	706	21.4	22.5	20.7
	707	22.9	24.4	24.1
	708	22.9	24.4	24.1
	709	25.1	24.1	23.0
	710	25.1	24.1	23.0
	711	21.0	23.8	22.5
	712	21.0	23.8	22.5
	713	23.5	23.7	23.7
	714	23.5	23.7	23.7
	715	25.7	25.6	24.6
716	25.7	25.6	24.6	
717	20.1	21.3	20.3	
718	20.1	21.3	20.3	
719	21.8	21.8	21.1	
720	21.8	21.8	21.1	
E6M	801	21.6	23.0	21.6
	802	21.6	23.0	21.6
	803	20.4	24.6	27.6
	804	20.4	24.6	27.6

Table C-7. Individual Animal Feed Consumed (g) per Day Data – Males

Group	Animal ID	Day		
		77	84	91
E6M	805	21.1	20.0	20.0
	806	21.1	20.0	20.0
	807	21.6	21.5	21.4
	808	21.6	21.5	21.4
	809	20.8	20.2	19.9
	810	20.8	20.2	19.9
	811	24.9	24.4	23.1
	812	24.9	24.4	23.1
	813	21.6	21.5	22.7
	814	21.6	21.5	22.7
	815	21.8	22.6	21.7
	816	21.8	22.6	21.7
	817	20.4	20.3	20.6
	818	20.4	20.3	20.6
	819	21.3	21.0	19.5
	820	21.3	21.0	19.5

Table C-8. Individual Animal Feed Consumed (g) per Day Data – Females

Group	Animal	Day									
	ID	7	14	21	28	35	42	49	56	63	70
CF	151	14.0	15.6	15.7	15.2	16.1	16.5	16.3	17.4	16.0	16.2
	152	14.0	15.6	15.7	15.2	16.1	16.5	16.3	17.4	16.0	16.2
	153	14.0	15.6	15.7	15.2	16.1	16.5	16.3	17.4	16.0	16.2
	154	14.8	15.4	15.3	16.0	17.8	17.8	17.0	21.0	17.8	16.6
	155	14.8	15.4	15.3	16.0	17.8	17.8	17.0	21.0	17.8	16.6
	156	14.8	15.4	15.3	16.0	17.8	17.8	17.0	21.0	17.8	16.6
	157	13.7	14.3	15.7	15.5	16.3	18.5	19.2	18.1	17.2	17.2
	158	13.7	14.3	15.7	15.5	16.3	18.5	19.2	18.1	17.2	17.2
	159	13.7	14.3	15.7	15.5	16.3	18.5	19.2	18.1	17.2	17.2
	160	15.9	16.6	16.7	16.3	17.3	18.5	18.5	19.0	18.0	16.7
	161	15.9	16.6	16.7	16.3	17.3	18.5	18.5	19.0	18.0	16.7
	162	15.9	16.6	16.7	16.3	17.3	18.5	18.5	19.0	18.0	16.7
	163	14.9	15.5	16.6	14.7	17.0	16.3	17.8	16.8	16.9	17.0
	164	14.9	15.5	16.6	14.7	17.0	16.3	17.8	16.8	16.9	17.0
	165	14.9	15.5	16.6	14.7	17.0	16.3	17.8	16.8	16.9	17.0
	166	13.8	15.5	16.0	15.3	16.3	15.7	16.1	17.4	16.7	16.2
	167	13.8	15.5	16.0	15.3	16.3	15.7	16.1	17.4	16.7	16.2
168	13.8	15.5	16.0	15.3	16.3	15.7	16.1	17.4	16.7	16.2	
169	15.7	15.7	16.6	18.1	17.9	24.9	19.7	24.4	18.3	18.4	
170	15.7	15.7	16.6	18.1	17.9	24.9	19.7	24.4	18.3	18.4	
NT6F	251	11.5	12.3	13.9	11.6	13.3	12.6	13.4	13.5	12.8	13.0
	252	11.5	12.3	13.9	11.6	13.3	12.6	13.4	13.5	12.8	13.0
	253	11.5	12.3	13.9	11.6	13.3	12.6	13.4	13.5	12.8	13.0
	254	11.3	12.7	14.4	12.8	14.4	13.5	14.5	15.3	14.0	13.2
	255	11.3	12.7	14.4	12.8	14.4	13.5	14.5	15.3	14.0	13.2
	256	11.3	12.7	14.4	12.8	14.4	13.5	14.5	15.3	14.0	13.2
	257	11.4	12.6	13.9	12.8	14.0	15.3	19.8	19.6	14.2	14.1
	258	11.4	12.6	13.9	12.8	14.0	15.3	19.8	19.6	14.2	14.1
	259	11.4	12.6	13.9	12.8	14.0	15.3	19.8	19.6	14.2	14.1

Table C-8. Individual Animal Feed Consumed (g) per Day Data – Females

Group	Animal	Day									
	ID	7	14	21	28	35	42	49	56	63	70
NT6F	260	11.8	12.8	13.6	12.1	13.2	13.5	14.2	15.8	13.8	13.7
	261	11.8	12.8	13.6	12.1	13.2	13.5	14.2	15.8	13.8	13.7
	262	11.8	12.8	13.6	12.1	13.2	13.5	14.2	15.8	13.8	13.7
	263	11.9	13.6	14.6	12.9	14.5	13.4	14.1	14.9	13.8	14.8
	264	11.9	13.6	14.6	12.9	14.5	13.4	14.1	14.9	13.8	14.8
	265	11.9	13.6	14.6	12.9	14.5	13.4	14.1	14.9	13.8	14.8
	266	15.4	12.4	13.5	12.7	13.1	13.2	13.1	13.8	12.4	13.2
	267	15.4	12.4	13.5	12.7	13.1	13.2	13.1	13.8	12.4	13.2
	268	15.4	12.4	13.5	12.7	13.1	13.2	13.1	13.8	12.4	13.2
	269	11.0	13.1	13.9	12.0	14.2	13.4	14.9	14.8	13.6	13.7
270	11.0	13.1	13.9	12.0	14.2	13.4	14.9	14.8	13.6	13.7	
B0.3F	351	13.6	14.9	16.4	14.9	15.8	16.4	16.9	17.5	16.4	16.5
	352	13.6	14.9	16.4	14.9	15.8	16.4	16.9	17.5	16.4	16.5
	353	13.6	14.9	16.4	14.9	15.8	16.4	16.9	17.5	16.4	16.5
	354	14.2	13.9	15.8	14.3	15.8	15.7	16.6	17.2	16.5	16.1
	355	14.2	13.9	15.8	14.3	15.8	15.7	16.6	17.2	16.5	16.1
	356	14.2	13.9	15.8	14.3	15.8	15.7	16.6	17.2	16.5	16.1
	357	13.0	14.8	14.8	14.3	16.9	16.5	17.7	17.1	17.3	16.7
	358	13.0	14.8	14.8	14.3	16.9	16.5	17.7	17.1	17.3	16.7
	359	13.0	14.8	14.8	14.3	16.9	16.5	17.7	17.1	17.3	16.7
	360	15.3	15.4	15.9	14.7	17.0	16.4	17.4	18.3	17.5	16.1
	361	15.3	15.4	15.9	14.7	17.0	16.4	17.4	18.3	17.5	16.1
	362	15.3	15.4	15.9	14.7	17.0	16.4	17.4	18.3	17.5	16.1
	363	13.5	13.6	14.9	13.4	14.8	15.6	16.5	16.0	15.3	15.4
	364	13.5	13.6	14.9	13.4	14.8	15.6	16.5	16.0	15.3	15.4
	365	13.5	13.6	14.9	13.4	14.8	15.6	16.5	16.0	15.3	15.4
	366	14.9	15.0	16.4	15.8	16.8	16.8	17.2	17.1	17.0	17.1
	367	14.9	15.0	16.4	15.8	16.8	16.8	17.2	17.1	17.0	17.1
	368	14.9	15.0	16.4	15.8	16.8	16.8	17.2	17.1	17.0	17.1

Table C-8. Individual Animal Feed Consumed (g) per Day Data – Females

Group	Animal	Day									
	ID	7	14	21	28	35	42	49	56	63	70
B0.3F	369	12.4	12.9	14.0	12.6	13.5	14.0	14.9	15.4	14.7	14.3
	370	12.4	12.9	14.0	12.6	13.5	14.0	14.9	15.4	14.7	14.3
B3F	451	12.7	14.5	16.1	15.6	15.7	15.4	16.6	17.8	15.4	15.3
	452	12.7	14.5	16.1	15.6	15.7	15.4	16.6	17.8	15.4	15.3
	453	12.7	14.5	16.1	15.6	15.7	15.4	16.6	17.8	15.4	15.3
	454	12.5	13.4	14.1	14.6	15.6	14.7	14.2	15.9	14.2	14.1
	455	12.5	13.4	14.1	14.6	15.6	14.7	14.2	15.9	14.2	14.1
	456	12.5	13.4	14.1	14.6	15.6	14.7	14.2	15.9	14.2	14.1
	457	12.9	14.0	14.9	14.7	16.5	15.8	16.9	17.8	17.7	16.1
	458	12.9	14.0	14.9	14.7	16.5	15.8	16.9	17.8	17.7	16.1
	459	12.9	14.0	14.9	14.7	16.5	15.8	16.9	17.8	17.7	16.1
	460	11.5	12.4	13.3	13.1	13.2	13.5	14.7	15.9	14.6	14.8
	461	11.5	12.4	13.3	13.1	13.2	13.5	14.7	15.9	14.6	14.8
	462	11.5	12.4	13.3	13.1	13.2	13.5	14.7	15.9	14.6	14.8
	463	13.4	14.2	15.0	14.6	15.3	14.5	15.4	15.1	15.0	15.6
	464	13.4	14.2	15.0	14.6	15.3	14.5	15.4	15.1	15.0	15.6
	465	13.4	14.2	15.0	14.6	15.3	14.5	15.4	15.1	15.0	15.6
	466	13.8	15.4	15.0	15.2	15.8	15.4	16.7	15.6	15.7	16.6
	467	13.8	15.4	15.0	15.2	15.8	15.4	16.7	15.6	15.7	16.6
	468	13.8	15.4	15.0	15.2	15.8	15.4	16.7	15.6	15.7	16.6
	469	11.8	13.3	14.9	14.3	14.8	15.6	19.0	19.2	16.4	17.6
470	11.8	13.3	14.9	14.3	14.8	15.6	19.0	19.2	16.4	17.6	
B6F	551	11.3	12.0	13.2	12.1	12.6	11.8	12.4	13.2	11.8	11.8
	552	11.3	12.0	13.2	12.1	12.6	11.8	12.4	13.2	11.8	11.8
	553	11.3	12.0	13.2	12.1	12.6	11.8	12.4	13.2	11.8	11.8
	554	12.3	14.6	15.5	14.7	15.5	13.6	14.6	15.2	14.6	14.0
	555	12.3	14.6	15.5	14.7	15.5	13.6	14.6	15.2	14.6	14.0
	556	12.3	14.6	15.5	14.7	15.5	13.6	14.6	15.2	14.6	14.0
	557	11.8	12.4	12.9	12.4	13.1	12.3	13.0	12.9	12.8	11.9

Table C-8. Individual Animal Feed Consumed (g) per Day Data – Females

Group	Animal	Day									
	ID	7	14	21	28	35	42	49	56	63	70
B6F	558	11.8	12.4	12.9	12.4	13.1	12.3	13.0	12.9	12.8	11.9
	559	11.8	12.4	12.9	12.4	13.1	12.3	13.0	12.9	12.8	11.9
	560	12.5	13.4	13.5	12.9	13.7	12.6	13.9	14.7	12.9	13.4
	561	12.5	13.4	13.5	12.9	13.7	12.6	13.9	14.7	12.9	13.4
	562	12.5	13.4	13.5	12.9	13.7	12.6	13.9	14.7	12.9	13.4
	563	11.2	12.1	12.6	12.7	13.3	12.3	12.7	14.3	12.1	12.8
	564	11.2	12.1	12.6	12.7	13.3	12.3	12.7	14.3	12.1	12.8
	565	11.2	12.1	12.6	12.7	13.3	12.3	12.7	14.3	12.1	12.8
	566	12.6	13.4	14.0	13.9	14.2	12.8	13.2	14.2	12.4	13.6
	567	12.6	13.4	14.0	13.9	14.2	12.8	13.2	14.2	12.4	13.6
	568	12.6	13.4	14.0	13.9	14.2	12.8	13.2	14.2	12.4	13.6
	569	11.5	12.7	13.2	13.2	14.2	13.0	13.8	14.8	13.1	13.3
	570	11.5	12.7	13.2	13.2	14.2	13.0	13.8	14.8	13.1	13.3
E0.3F	651	15.4	16.6	16.9	16.9	17.3	18.0	17.9	17.8	17.6	17.2
	652	15.4	16.6	16.9	16.9	17.3	18.0	17.9	17.8	17.6	17.2
	653	15.4	16.6	16.9	16.9	17.3	18.0	17.9	17.8	17.6	17.2
	654	14.4	20.8	16.6	20.2	18.9	15.8	16.5	16.5	15.4	14.9
	655	14.4	20.8	16.6	20.2	18.9	15.8	16.5	16.5	15.4	14.9
	656	14.4	20.8	16.6	20.2	18.9	15.8	16.5	16.5	15.4	14.9
	657	14.4	14.8	15.9	16.9	16.0	17.1	17.0	16.1	15.8	16.8
	658	14.4	14.8	15.9	16.9	16.0	17.1	17.0	16.1	15.8	16.8
	659	14.4	14.8	15.9	16.9	16.0	17.1	17.0	16.1	15.8	16.8
	660	14.2	15.0	16.3	16.1	16.6	16.4	17.5	18.6	16.3	16.6
	661	14.2	15.0	16.3	16.1	16.6	16.4	17.5	18.6	16.3	16.6
	662	14.2	15.0	16.3	16.1	16.6	16.4	17.5	18.6	16.3	16.6
	663	16.0	16.4	17.2	17.6	17.8	18.6	17.7	19.2	18.6	17.7
	664	16.0	16.4	17.2	17.6	17.8	18.6	17.7	19.2	18.6	17.7
	665	16.0	16.4	17.2	17.6	17.8	18.6	17.7	19.2	18.6	17.7
	666	13.5	15.2	16.3	16.6	15.3	15.5	18.5	19.2	15.4	14.6

Table C-8. Individual Animal Feed Consumed (g) per Day Data – Females

Group	Animal	Day									
	ID	7	14	21	28	35	42	49	56	63	70
E0.3F	667	13.5	15.2	16.3	16.6	15.3	15.5	18.5	19.2	15.4	14.6
	668	13.5	15.2	16.3	16.6	15.3	15.5	18.5	19.2	15.4	14.6
	669	14.6	15.1	16.6	15.8	16.9	16.5	18.6	18.1	17.5	19.1
	670	14.6	15.1	16.6	15.8	16.9	16.5	18.6	18.1	17.5	19.1
E3F	751	14.6	16.1	16.2	15.5	16.3	15.9	16.8	16.4	17.0	15.8
	752	14.6	16.1	16.2	15.5	16.3	15.9	16.8	16.4	17.0	15.8
	753	14.6	16.1	16.2	15.5	16.3	15.9	16.8	16.4	17.0	15.8
	754	13.3	14.0	18.4	15.5	16.2	15.9	16.8	17.9	15.7	14.1
	755	13.3	14.0	18.4	15.5	16.2	15.9	16.8	17.9	15.7	14.1
	756	13.3	14.0	18.4	15.5	16.2	15.9	16.8	17.9	15.7	14.1
	757	12.5	14.1	14.4	13.3	14.8	14.4	14.7	15.7	14.7	14.7
	758	12.5	14.1	14.4	13.3	14.8	14.4	14.7	15.7	14.7	14.7
	759	12.5	14.1	14.4	13.3	14.8	14.4	14.7	15.7	14.7	14.7
	760	13.5	15.4	15.4	14.7	15.5	15.6	15.8	16.4	15.2	15.8
	761	13.5	15.4	15.4	14.7	15.5	15.6	15.8	16.4	15.2	15.8
	762	13.5	15.4	15.4	14.7	15.5	15.6	15.8	16.4	15.2	15.8
	763	15.1	15.4	16.2	15.7	16.4	16.4	17.9	17.8	17.0	17.6
	764	15.1	15.4	16.2	15.7	16.4	16.4	17.9	17.8	17.0	17.6
	765	15.1	15.4	16.2	15.7	16.4	16.4	17.9	17.8	17.0	17.6
	766	13.8	14.9	15.9	15.0	15.6	15.3	16.1	16.8	16.0	15.4
	767	13.8	14.9	15.9	15.0	15.6	15.3	16.1	16.8	16.0	15.4
768	13.8	14.9	15.9	15.0	15.6	15.3	16.1	16.8	16.0	15.4	
769	14.0	14.7	16.2	15.2	16.9	16.4	17.0	19.4	17.1	16.1	
770	14.0	14.7	16.2	15.2	16.9	16.4	17.0	19.4	17.1	16.1	
E6F	851	12.5	13.2	14.6	13.8	14.5	12.8	13.9	14.7	13.5	13.2
	852	12.5	13.2	14.6	13.8	14.5	12.8	13.9	14.7	13.5	13.2
	853	12.5	13.2	14.6	13.8	14.5	12.8	13.9	14.7	13.5	13.2
	854	13.3	14.4	14.9	14.2	15.0	15.4	16.7	14.8	14.2	15.4
	855	13.3	14.4	14.9	14.2	15.0	15.4	16.7	14.8	14.2	15.4

Table C-8. Individual Animal Feed Consumed (g) per Day Data – Females

Group	Animal	Day									
	ID	7	14	21	28	35	42	49	56	63	70
E6F	856	13.3	14.4	14.9	14.2	15.0	15.4	16.7	14.8	14.2	15.4
	857	11.8	12.2	13.0	12.1	12.9	13.2	13.6	13.7	12.7	12.2
	858	11.8	12.2	13.0	12.1	12.9	13.2	13.6	13.7	12.7	12.2
	859	11.8	12.2	13.0	12.1	12.9	13.2	13.6	13.7	12.7	12.2
	860	12.0	13.5	14.7	14.0	14.4	13.3	14.9	14.5	14.3	14.9
	861	12.0	13.5	14.7	14.0	14.4	13.3	14.9	14.5	14.3	14.9
	862	12.0	13.5	14.7	14.0	14.4	13.3	14.9	14.5	14.3	14.9
	863	12.8	13.8	14.0	14.2	13.9	13.2	14.6	14.7	13.7	14.2
	864	12.8	13.8	14.0	14.2	13.9	13.2	14.6	14.7	13.7	14.2
	865	12.8	13.8	14.0	14.2	13.9	13.2	14.6	14.7	13.7	14.2
	866	11.4	12.6	13.0	12.8	12.9	12.8	12.3	14.4	11.6	12.4
	867	11.4	12.6	13.0	12.8	12.9	12.8	12.3	14.4	11.6	12.4
	868	11.4	12.6	13.0	12.8	12.9	12.8	12.3	14.4	11.6	12.4
	869	12.4	13.2	14.6	14.6	14.2	13.0	14.1	14.2	12.9	13.7
	870	12.4	13.2	14.6	14.6	14.2	13.0	14.1	14.2	12.9	13.7

Table C-8. Individual Animal Feed Consumed (g) per Day Data – Females

Group	Animal ID	Day		
		77	84	91
CF	151	15.5	16.0	14.5
	152	15.5	16.0	14.5
	153	15.5	16.0	14.5
	154	16.7	16.3	15.5
	155	16.7	16.3	15.5
	156	16.7	16.3	15.5
	157	16.8	16.1	15.1
	158	16.8	16.1	15.1
	159	16.8	16.1	15.1
	160	16.4	16.1	15.2
	161	16.4	16.1	15.2
	162	16.4	16.1	15.2
	163	16.6	16.4	14.0
	164	16.6	16.4	14.0
	165	16.6	16.4	14.0
	166	14.9	15.9	14.5
	167	14.9	15.9	14.5
168	14.9	15.9	14.5	
169	18.2	17.0	17.0	
170	18.2	17.0	17.0	
NT6F	251	12.6	12.9	12.0
	252	12.6	12.9	12.0
	253	12.6	12.9	12.0
	254	13.4	13.9	13.3
	255	13.4	13.9	13.3
	256	13.4	13.9	13.3
	257	13.4	12.9	12.4
	258	13.4	12.9	12.4

Table C-8. Individual Animal Feed Consumed (g) per Day Data – Females

Group	Animal ID	Day		
		77	84	91
NT6F	259	13.4	12.9	12.4
	260	13.2	13.4	12.1
	261	13.2	13.4	12.1
	262	13.2	13.4	12.1
	263	14.3	14.1	12.6
	264	14.3	14.1	12.6
	265	14.3	14.1	12.6
	266	12.8	13.4	11.6
	267	12.8	13.4	11.6
	268	12.8	13.4	11.6
	269	13.3	13.2	12.0
	270	13.3	13.2	12.0
B0.3F	351	16.3	16.4	14.9
	352	16.3	16.4	14.9
	353	16.3	16.4	14.9
	354	14.8	14.9	15.7
	355	14.8	14.9	15.7
	356	14.8	14.9	15.7
	357	16.7	16.0	16.4
	358	16.7	16.0	16.4
	359	16.7	16.0	16.4
	360	15.3	15.2	15.4
	361	15.3	15.2	15.4
	362	15.3	15.2	15.4
	363	15.1	14.4	14.7
	364	15.1	14.4	14.7
	365	15.1	14.4	14.7
	366	16.8	16.7	16.5
	367	16.8	16.7	16.5

Table C-8. Individual Animal Feed Consumed (g) per Day Data – Females

Group	Animal ID	Day		
		77	84	91
B0.3F	368	16.8	16.7	16.5
	369	15.7	13.3	14.9
	370	15.7	13.3	14.9
B3F	451	15.2	13.6	13.8
	452	15.2	13.6	13.8
	453	15.2	13.6	13.8
	454	13.6	16.0	14.7
	455	13.6		
	456	13.6	16.0	14.7
	457	15.5	15.3	14.8
	458	15.5	15.3	14.8
	459	15.5	15.3	14.8
	460	14.2	14.1	12.9
	461	14.2	14.1	12.9
	462	14.2	14.1	12.9
	463	16.0	14.3	14.5
	464	16.0	14.3	14.5
	465	16.0	14.3	14.5
	466	15.8	14.9	14.5
	467	15.8	14.9	14.5
468	15.8	14.9	14.5	
469	17.7	14.6	15.4	
470	17.7	14.6	15.4	
B6F	551	11.8	11.8	11.8
	552	11.8	11.8	11.8
	553	11.8	11.8	11.8
	554	13.9	12.6	13.8
	555	13.9	12.6	13.8
	556	13.9	12.6	13.8

Table C-8. Individual Animal Feed Consumed (g) per Day Data – Females

Group	Animal	Day		
	ID	77	84	91
B6F	557	11.3	11.6	11.0
	558	11.3	11.6	11.0
	559	11.3	11.6	11.0
	560	12.8	11.5	12.2
	561	12.8	11.5	12.2
	562	12.8	11.5	12.2
	563	12.3	12.0	11.7
	564	12.3	12.0	11.7
	565	12.3	12.0	11.7
	566	13.0	12.0	13.3
	567	13.0	12.0	13.3
	568	13.0	12.0	13.3
	569	12.9	12.1	12.7
	570	12.9	12.1	12.7
E0.3F	651	16.9	17.9	17.0
	652	16.9	17.9	17.0
	653	16.9	17.9	17.0
	654	14.4	14.0	14.6
	655	14.4	14.0	14.6
	656	14.4	14.0	14.6
	657	14.7	14.6	13.8
	658	14.7	14.6	13.8
	659	14.7	14.6	13.8
	660	15.5	15.7	15.4
	661	15.5	15.7	15.4
	662	15.5	15.7	15.4
	663	17.6	17.3	17.9
	664	17.6	17.3	17.9
	665	17.6	17.3	17.9

Table C-8. Individual Animal Feed Consumed (g) per Day Data – Females

Group	Animal ID	Day		
		77	84	91
E0.3F	666	15.6	14.9	14.9
	667	15.6	14.9	14.9
	668	15.6	14.9	14.9
	669	16.9	17.4	18.5
	670	16.9	17.4	18.5
E3F	751	16.2	15.7	15.0
	752	16.2	15.7	15.0
	753	16.2	15.7	15.0
	754	14.7	15.3	15.1
	755	14.7	15.3	15.1
	756	14.7	15.3	15.1
	757	14.7	14.2	14.4
	758	14.7	14.2	14.4
	759	14.7	14.2	14.4
	760	14.2	14.4	14.2
	761	14.2	14.4	14.2
	762	14.2	14.4	14.2
	763	16.7	15.4	15.6
	764	16.7	15.4	15.6
	765	16.7	15.4	15.6
	766	16.0	15.4	15.1
	767	16.0	15.4	15.1
768	16.0	15.4	15.1	
769	16.9	16.4	16.6	
770	16.9	16.4	16.6	
E6F	851	14.1	12.9	13.1
	852	14.1	12.9	13.1
	853	14.1	12.9	13.1
	854	14.1	14.2	14.2

Table C-8. Individual Animal Feed Consumed (g) per Day Data – Females

Group	Animal ID	Day		
		77	84	91
E6F	855	14.1	14.2	14.2
	856	14.1	14.2	14.2
	857	12.1	11.9	12.6
	858	12.1	11.9	12.6
	859	12.1	11.9	12.6
	860	13.7	12.3	12.7
	861	13.7	12.3	12.7
	862	13.7	12.3	12.7
	863	12.9	12.0	12.8
	864	12.9	12.0	12.8
	865	12.9	12.0	12.8
	866	12.6	11.6	13.0
	867	12.6	11.6	13.0
	868	12.6	11.6	13.0
	869	13.4	12.0	12.6
	870	13.4	12.0	12.6

Table C-9. Individual Animal Hematology Data – Males

Group	Animal		Red Blood Cell	Hemoglobin	Hematocrit	Mean	Mean
	ID	Day	Count (10⁶/μL)	(g/dL)	(%)	Corpuscular Volume (fL)	Corpuscular Hemoglobin (pg)
CM	101	92	9.19	15.6	48.6	52.9	17.0
	102	92	8.25	14.3	43.8	53.1	17.4
	103	92	8.60	15.3	46.6	54.2	17.8
	104	92	9.16	15.5	48.3	52.8	17.0
	105	92	8.81	14.8	45.1	51.2	16.8
	106	92	9.12	15.3	47.0	51.5	16.7
	107	92	8.92	15.5	45.9	51.4	17.4
	108	92	8.84	15.4	46.6	52.7	17.4
	109	92	9.39	15.7	48.3	51.4	16.7
	110	92	8.77	15.3	47.7	54.4	17.5
	111	93	8.47	14.5	44.9	53.0	17.1
	112	93	8.93	15.3	46.1	51.6	17.2
	113	93	8.96	15.3	47.7	53.3	17.0
	114	93	8.64	14.4	44.6	51.7	16.7
	115	93	8.14	14.8	44.5	54.7	18.2
	116	93	9.20	15.4	48.9	53.1	16.7
	117	93	7.97	14.4	43.7	54.9	18.1
	118	93	9.15	15.1	46.0	50.3	16.5
	119	93	8.78	15.3	47.4	54.0	17.4
	120	93	9.36	15.5	48.6	51.9	16.5
NT6M	201	92	8.35	14.7	44.8	53.6	17.5
	202	92	9.64	15.9	50.3	52.2	16.5
	203	92	9.13	15.4	47.7	52.2	16.9
	204	92	9.21	15.2	47.8	51.9	16.5
	205	92	9.39	15.6	48.7	51.9	16.6
	206	92	9.08	16.5	50.1	55.2	18.1
	207	92	9.37	16.4	48.9	52.2	17.5

Table C-9. Individual Animal Hematology Data – Males

Group	Animal ID	Day	Red Blood Cell	Hemoglobin	Hematocrit	Mean	Mean
			Count (10⁶/μL)	(g/dL)	(%)	Corpuscular Volume (fL)	Corpuscular Hemoglobin (pg)
NT6M	208	92	8.94	14.7	45.5	50.9	16.4
	209	92	9.74	15.7	50.5	51.9	16.1
	210	92	9.94	17.6	55.3	55.6	17.7
	211	93	9.07	14.5	45.9	50.6	16.0
	212	93	8.12	14.9	44.7	55.0	18.4
	213	93	8.66	14.8	45.2	52.2	17.1
	214	93	8.35	15.0	46.5	55.6	17.9
	215	93	9.06	15.6	46.9	51.8	17.2
	216	93	8.28	15.7	46.0	55.6	18.9
	217	93	9.08	15.7	47.8	52.7	17.2
	218	93	8.25	14.6	44.1	53.5	17.7
	219	93	8.80	15.0	47.1	53.4	17.1
	220	93	9.03	15.0	45.6	50.5	16.7
B0.3M	301	92	8.45	15.8	46.3	54.8	18.6
	302	92	8.25	15.2	45.9	55.6	18.4
	303	92	8.28	14.4	45.1	54.4	17.4
	304	92	9.43	15.6	49.3	52.3	16.5
	305	92	8.65	14.6	46.0	53.2	16.9
	306	92	9.18	15.6	49.5	53.9	17.0
	307	92	8.71	15.4	47.7	54.8	17.6
	308	92	8.57	15.1	46.2	53.9	17.7
	309	92	8.41	15.0	45.6	54.2	17.8
	310	92	9.54	15.6	48.7	51.0	16.4
	311	93	8.60	14.8	44.4	51.6	17.2
	312	93	7.85	14.3	43.1	54.9	18.2
	313	93	8.14	15.0	46.6	57.3	18.5
	314	93	9.04	15.0	47.2	52.2	16.6

Table C-9. Individual Animal Hematology Data – Males

Group	Animal ID	Day	Red Blood Cell	Hemoglobin	Hematocrit	Mean	Mean
			Count (10⁶/μL)	(g/dL)	(%)	Corpuscular Volume (fL)	Corpuscular Hemoglobin (pg)
B0.3M	315	93	9.16	15.6	48.0	52.4	17.0
	316	93	9.08	15.9	47.0	51.7	17.5
	317	93	8.86	15.6	47.4	53.4	17.6
	318	93	9.24	16.1	48.9	52.9	17.4
	319	93	9.39	16.1	50.6	53.9	17.2
	320	93	9.38	15.4	48.3	51.4	16.4
B3M	401	92	9.01	16.3	49.0	54.5	18.1
	402	92	8.67	14.5	44.9	51.8	16.7
	403	92	8.67	14.2	44.5	51.4	16.4
	404	92	9.31	15.8	49.3	53.0	16.9
	405	92	8.67	15.5	47.7	55.0	17.8
	406	92	8.67	15.6	48.2	55.6	18.0
	407	92	9.93	15.7	48.3	48.6	15.8
	408	92	8.95	16.4	49.0	54.7	18.3
	409	92	8.60	15.1	45.8	53.2	17.6
	410	92	8.81	15.0	46.0	52.2	17.0
	411	93	9.03	15.1	47.8	52.9	16.7
	412	93	9.16	15.8	48.7	53.2	17.3
	413	93	7.97	14.0	42.6	53.4	17.5
	414	93	9.03	15.5	48.7	53.9	17.2
	415	93	8.64	15.8	47.3	54.7	18.3
	416	93	8.30	15.3	44.8	54.0	18.5
	417	93	8.70	14.8	46.5	53.4	17.0
	418	93	8.37	15.3	44.3	52.9	18.3
	419	93	8.85	15.6	48.7	55.1	17.6
	420	93	8.84	15.2	46.7	52.8	17.2

Table C-9. Individual Animal Hematology Data – Males

Group	Animal		Red Blood Cell	Hemoglobin	Hematocrit	Mean	Mean
	ID	Day	Count (10⁶/μL)	(g/dL)	(%)	Corpuscular Volume (fL)	Corpuscular Hemoglobin (pg)
B6M	501	92	8.66	14.4	45.4	52.4	16.6
	502	92	8.52	14.6	45.5	53.4	17.2
	503	92	9.10	15.5	46.1	50.7	17.0
	504	92	9.47	16.2	51.2	54.0	17.1
	505	92	9.36	15.9	49.7	53.1	17.0
	506	92	8.62	14.6	44.7	51.8	16.9
	507	92	8.71	15.7	47.0	54.0	18.0
	508	92	8.19	15.0	45.3	55.3	18.3
	509	92	8.53	15.3	46.1	54.1	18.0
	510	92	8.49	15.8	48.1	56.6	18.7
	511	93	8.03	14.4	43.0	53.6	18.0
	512	93	8.61	14.8	46.2	53.7	17.2
	513	93	9.28	15.8	49.4	53.2	17.0
	514	93	8.24	14.3	43.1	52.3	17.3
	515	93	8.45	15.5	46.7	55.2	18.3
	516	93	8.98	16.5	49.9	55.5	18.3
	517	93	8.46	14.8	46.1	54.5	17.5
	518	93	8.47	15.0	44.3	52.3	17.7
	519	93	8.44	15.4	45.7	54.2	18.2
	520	93	8.70	14.8	46.0	52.8	17.0
E0.3M	601	92	8.29	14.2	43.9	53.0	17.1
	602	92	7.80	14.6	42.5	54.5	18.8
	603	92	9.39	15.6	50.1	53.4	16.6
	604	92	8.92	15.1	46.8	52.5	16.9
	605	92	8.34	15.0	45.9	55.0	18.0
	606	92	8.20	15.1	45.0	54.9	18.4
	607	92	8.79	15.1	46.7	53.1	17.1

Table C-9. Individual Animal Hematology Data – Males

Group	Animal		Red Blood Cell	Hemoglobin	Hematocrit	Mean	Mean
	ID	Day	Count (10⁶/μL)	(g/dL)	(%)	Corpuscular Volume (fL)	Corpuscular Hemoglobin (pg)
E0.3M	608	92	9.12	15.2	47.2	51.8	16.6
	609	92	9.29	15.7	49.9	53.7	16.9
	610	92	8.33	14.3	44.4	53.3	17.2
	611	93	9.19	16.3	49.4	53.8	17.7
	612	93	8.53	14.1	43.9	51.4	16.5
	613	93	8.22	15.1	43.4	52.9	18.4
	614	93	8.91	15.1	47.4	53.1	17.0
	615	93	9.44	17.0	51.5	54.5	18.0
	616	93	9.09	15.8	49.1	54.1	17.4
	617	93	9.05	15.4	47.4	52.4	17.1
	618	93	8.18	14.4	44.6	54.6	17.7
	619	93	8.69	14.9	45.3	52.2	17.1
	620	93	8.73	15.3	48.5	55.6	17.5
E3M	701	92	8.34	15.3	46.0	55.1	18.4
	702	92	9.18	15.1	46.9	51.1	16.5
	703	92	8.65	15.9	47.6	55.1	18.4
	704	92	9.44	15.6	49.5	52.5	16.5
	705	92	8.18	14.0	43.4	53.0	17.1
	706	92	9.07	15.3	47.6	52.4	16.8
	707	92	8.97	15.7	47.5	53.0	17.5
	708	92	9.50	15.9	49.3	51.9	16.8
	709	92	8.15	14.6	45.2	55.4	17.9
	710	92	8.94	15.6	48.3	54.0	17.5
	711	93	8.77	14.3	46.0	52.5	16.3
	712	93	9.68	16.7	51.7	53.4	17.3
	713	93	8.44	15.0	44.5	52.7	17.8
	714	93	8.60	14.8	45.9	53.4	17.2

Table C-9. Individual Animal Hematology Data – Males

Group	Animal		Red Blood Cell	Hemoglobin	Hematocrit	Mean	Mean
	ID	Day	Count (10⁶/μL)	(g/dL)	(%)	Corpuscular Volume (fL)	Corpuscular Hemoglobin (pg)
E3M	715	93	8.86	15.0	47.2	53.3	17.0
	716	93	9.02	15.1	47.1	52.2	16.8
	717	93	8.79	15.5	46.5	53.0	17.7
	718	93	8.25	14.7	45.4	55.0	17.8
	719	93	8.76	15.2	46.1	52.7	17.3
	720	93	8.71	15.5	46.0	52.8	17.8
E6M	801	92	8.64	14.7	45.3	52.4	17.0
	802	92	8.33	14.7	44.9	53.9	17.7
	803	92	9.11	15.0	47.4	52.0	16.5
	804	92	8.96	15.8	48.8	54.4	17.6
	805	92	8.61	14.8	45.4	52.8	17.1
	806	92	9.14	15.9	48.6	53.2	17.4
	807	92	9.08	15.5	46.8	51.5	17.0
	808	92	8.11	14.9	45.7	56.4	18.4
	809	92	8.75	14.8	46.6	53.3	16.9
	810	92	9.07	16.2	48.6	53.6	17.8
	811	93	7.61	14.2	42.3	55.6	18.6
	812	93	8.35	14.7	45.6	54.7	17.6
	813	93	8.51	15.9	48.1	56.6	18.7
	814	93	8.89	15.3	48.0	54.0	17.3
	815	93	9.51	16.4	49.4	51.9	17.2
816	93	9.24	15.5	48.4	52.4	16.8	
817	93	8.39	15.0	45.7	54.5	17.9	
818	93	8.53	15.3	46.2	54.2	17.9	
819	93	8.11	14.5	44.0	54.3	17.9	
820	93	7.70	13.0	39.9	51.8	16.9	

Table C-9. Individual Animal Hematology Data – Males

Group	Animal ID	Day	Mean Corpuscular Hemoglobin Concentration (g/dL)	Platelet Count ($10^3/\mu\text{L}$)	Reticulocytes ($10^3/\mu\text{L}$)
CM	101	92	32.1	690	168.1
	102	92	32.7	670	137.1
	103	92	32.9	724	170.2
	104	92	32.2	820	168.8
	105	92	32.8	603	158.7
	106	92	32.5	713	175.9
	107	92	33.9	768	162.5
	108	92	33.0	807	151.4
	109	92	32.5	768	146.1
	110	92	32.2	628	156.8
	111	93	32.2	832	143.6
	112	93	33.2	674	182.2
	113	93	32.0	616	182.7
	114	93	32.3	673	191.8
	115	93	33.2	552	175.7
	116	93	31.4	738	183.0
	117	93	33.0	768	144.9
	118	93	32.9	708	170.5
	119	93	32.3	808	142.3
	120	93	31.9	669	206.6
NT6M	201	92	32.7	719	136.1
	202	92	31.6	657	176.2
	203	92	32.4	776	162.5
	204	92	31.8	704	152.4
	205	92	32.0	601	193.0
	206	92	32.9	637	133.8

Table C-9. Individual Animal Hematology Data – Males

Group	Animal ID	Day	Mean Corpuscular Hemoglobin Concentration (g/dL)	Platelet Count ($10^3/\mu\text{L}$)	Reticulocytes ($10^3/\mu\text{L}$)
NT6M	207	92	33.5	836	131.1
	208	92	32.3	914	157.5
	209	92	31.1	690	160.1
	210	92	31.9	496	159.0
	211	93	31.7	723	139.4
	212	93	33.4	819	173.5
	213	93	32.8	801	145.0
	214	93	32.2	628	176.3
	215	93	33.2	651	132.0
	216	93	34.0	795	149.5
	217	93	32.7	761	162.4
	218	93	33.0	856	146.5
	219	93	32.0	737	122.9
	220	93	33.0	569	168.9
B0.3M	301	92	34.0	501	165.8
	302	92	33.2	710	170.0
	303	92	32.0	729	118.0
	304	92	31.6	807	188.6
	305	92	31.7	708	140.0
	306	92	31.6	660	183.4
	307	92	32.2	836	159.8
	308	92	32.8	782	130.4
	309	92	32.9	674	155.5
	310	92	32.1	827	167.0
	311	93	33.4	746	164.0
	312	93	33.2	798	160.2

Table C-9. Individual Animal Hematology Data – Males

Group	Animal ID	Day	Mean Corpuscular Hemoglobin Concentration (g/dL)	Platelet Count ($10^3/\mu\text{L}$)	Reticulocytes ($10^3/\mu\text{L}$)
B0.3M	313	93	32.2	639	238.1
	314	93	31.8	739	198.5
	315	93	32.5	700	201.2
	316	93	33.8	635	182.4
	317	93	33.0	843	151.1
	318	93	32.8	567	147.2
	319	93	31.9	646	167.9
	320	93	31.8	661	165.3
B3M	401	92	33.2	818	199.0
	402	92	32.2	894	148.9
	403	92	31.9	718	174.7
	404	92	32.0	769	228.0
	405	92	32.4	701	173.5
	406	92	32.5	643	199.4
	407	92	32.5	743	140.5
	408	92	33.4	782	148.7
	409	92	33.0	808	166.2
	410	92	32.6	738	156.6
	411	93	31.7	822	181.7
	412	93	32.5	646	147.3
	413	93	32.8	607	129.4
	414	93	31.9	701	191.5
	415	93	33.4	634	172.4
	416	93	34.2	814	199.2
	417	93	31.9	671	159.7
	418	93	34.6	706	135.3

Table C-9. Individual Animal Hematology Data – Males

Group	Animal ID	Day	Mean Corpuscular Hemoglobin Concentration (g/dL)	Platelet Count ($10^3/\mu\text{L}$)	Reticulocytes ($10^3/\mu\text{L}$)
B3M	419	93	32.0	906	187.6
	420	93	32.5	675	149.8
B6M	501	92	31.7	535	182.9
	502	92	32.1	845	177.9
	503	92	33.6	791	166.8
	504	92	31.6	661	163.2
	505	92	32.0	763	149.6
	506	92	32.6	699	128.2
	507	92	33.3	674	140.6
	508	92	33.1	903	133.1
	509	92	33.3	682	161.9
	510	92	33.0	773	171.1
	511	93	33.5	672	151.4
	512	93	32.1	912	139.7
	513	93	31.9	694	202.8
	514	93	33.1	751	156.6
	515	93	33.1	748	185.8
	516	93	33.0	703	180.6
	517	93	32.2	732	150.9
518	93	33.8	845	147.5	
519	93	33.6	624	114.2	
520	93	32.2	814	155.4	
E0.3M	601	92	32.3	780	186.3
	602	92	34.4	735	158.0
	603	92	31.2	592	180.5
	604	92	32.2	848	141.8

Table C-9. Individual Animal Hematology Data – Males

Group	Animal ID	Day	Mean	Platelet Count	Reticulocytes
			Corpuscular Hemoglobin Concentration (g/dL)		
E0.3M	605	92	32.7	620	198.8
	606	92	33.5	767	164.2
	607	92	32.3	761	178.9
	608	92	32.1	648	164.6
	609	92	31.5	535	123.6
	610	92	32.3	727	123.4
	611	93	33.0	674	170.5
	612	93	32.1	757	135.9
	613	93	34.8	835	184.1
	614	93	32.0	693	202.7
	615	93	33.0	666	166.5
	616	93	32.2	694	147.0
	617	93	32.6	602	141.4
	618	93	32.4	821	167.4
E3M	701	92	33.3	758	133.4
	702	92	32.2	681	186.5
	703	92	33.4	711	150.2
	704	92	31.5	642	161.8
	705	92	32.3	670	175.8
	706	92	32.1	994	149.7
	707	92	33.1	611	172.0
	708	92	32.3	650	157.5
	709	92	32.3	544	154.1
	710	92	32.4	726	199.4

Table C-9. Individual Animal Hematology Data – Males

Group	Animal ID	Day	Mean	Platelet Count	Reticulocytes
			Corpuscular Hemoglobin Concentration (g/dL)		
E3M	711	93	31.0	714	156.0
	712	93	32.3	697	193.3
	713	93	33.7	678	147.7
	714	93	32.1	750	131.8
	715	93	31.8	727	160.9
	716	93	32.1	687	169.0
	717	93	33.4	732	135.4
	718	93	32.4	665	137.4
	719	93	32.9	759	156.4
	720	93	33.8	698	167.3
E6M	801	92	32.4	565	143.8
	802	92	32.8	561	147.3
	803	92	31.8	839	156.9
	804	92	32.4	679	175.3
	805	92	32.5	699	140.8
	806	92	32.8	620	156.2
	807	92	33.1	830	171.1
	808	92	32.7	716	131.2
	809	92	31.7	693	126.5
	810	92	33.2	641	161.2
	811	93	33.5	734	178.3
	812	93	32.2	932	146.1
	813	93	33.1	693	213.4
	814	93	31.9	672	160.0
	815	93	33.2	643	202.5
	816	93	32.0	777	188.2

Table C-9. Individual Animal Hematology Data – Males

Group	Animal ID	Day	Mean Corpuscular Hemoglobin Concentration (g/dL)	Platelet Count ($10^3/\mu\text{L}$)	Reticulocytes ($10^3/\mu\text{L}$)
E6M	817	93	32.9	687	194.2
	818	93	33.0	730	156.2
	819	93	32.9	744	144.2
	820	93	32.7	569	131.0

Table C-10. Individual Animal Hematology Data – Females

Group	Animal		Red Blood Cell	Hemoglobin	Hematocrit	Mean	Mean
	ID	Day	Count (10⁶/μL)	(g/dL)	(%)	Corpuscular Volume (fL)	Corpuscular Hemoglobin (pg)
CF	151	93	8.67	15.3	46.8	54.0	17.7
	152	93	7.94	14.4	42.9	54.1	18.1
	153	93	8.22	14.8	45.9	55.9	18.0
	154	93	8.33	14.9	46.1	55.3	17.8
	155	93	8.45	15.2	45.6	54.0	18.0
	156	93	8.54	15.0	45.0	52.7	17.6
	157	93	8.20	15.3	45.1	55.0	18.7
	158	93	8.57	14.4	45.0	52.4	16.8
	159	93	8.06	15.1	44.7	55.5	18.8
	160	93	8.26	15.0	45.1	54.6	18.2
	161	94	8.57	15.7	48.1	56.1	18.3
	162	94	7.90	14.6	42.4	53.7	18.4
	163	94	8.57	15.8	47.9	55.9	18.4
	164	94	7.99	15.0	44.3	55.5	18.8
	165	94	8.15	14.7	44.3	54.3	18.1
	166	94	7.26	14.5	40.7	56.1	20.0
	167	94	7.60	15.1	45.2	59.5	19.9
	168	94	8.31	14.9	44.5	53.5	17.9
	169	94	7.96	14.2	43.4	54.5	17.8
	170	94	7.28	14.2	40.6	55.7	19.6
NT6F	251	93	8.08	15.1	45.8	56.7	18.7
	252	93	8.36	15.5	46.3	55.4	18.5
	253	93	8.88	15.8	48.2	54.3	17.7
	254	93	8.10	14.0	42.4	52.4	17.2
	255	93	8.91	15.5	47.7	53.5	17.4
	256	93	8.74	15.6	47.4	54.2	17.8
	257	93	8.05	14.2	42.9	53.3	17.6

Table C-10. Individual Animal Hematology Data – Females

Group	Animal		Red Blood Cell	Hemoglobin	Hematocrit	Mean	Mean
	ID	Day	Count (10⁶/μL)	(g/dL)	(%)	Corpuscular Volume (fL)	Corpuscular Hemoglobin (pg)
NT6F	258	93	7.98	14.3	43.0	53.8	17.9
	259	93	8.15	14.3	44.4	54.6	17.6
	260	93	7.91	14.3	43.1	54.5	18.1
	261	94	9.16	15.9	49.2	53.8	17.3
	262	94	8.61	15.0	44.4	51.6	17.5
	263	94	8.63	15.5	46.2	53.5	18.0
	264	94	7.75	13.8	41.1	53.1	17.9
	265	94	8.53	15.5	46.1	54.0	18.2
	266	94	8.96	15.6	48.2	53.8	17.5
	267	94	8.26	14.4	43.9	53.2	17.5
	268	94	8.26	14.9	44.7	54.1	18.1
	269	94	8.55	15.3	46.6	54.5	17.9
	270	94	8.13	14.5	42.6	52.4	17.9
B0.3F	351	93	8.24	14.9	44.5	54.0	18.1
	352	93	8.44	14.8	46.5	55.1	17.5
	353	93	7.92	15.1	46.0	58.0	19.1
	354	93	7.43	14.1	41.0	55.1	19.0
	355	93	8.82	15.8	47.3	53.6	18.0
	356	93	8.29	15.3	45.7	55.2	18.4
	357	93	8.12	14.5	42.1	51.9	17.9
	358	93	8.52	15.2	44.8	52.6	17.8
	359	93	8.85	15.8	48.7	55.0	17.8
	360	93	7.93	14.4	43.6	55.0	18.2
	361	94	8.36	14.6	44.6	53.3	17.5
	362	94	8.21	14.7	44.4	54.1	17.9
	363	94	8.25	14.6	44.2	53.5	17.7
	364	94	8.00	14.6	43.2	54.0	18.3

Table C-10. Individual Animal Hematology Data – Females

Group	Animal ID	Day	Red Blood Cell	Hemoglobin	Hematocrit	Mean	Mean
			Count (10⁶/μL)	(g/dL)	(%)	Corpuscular Volume (fL)	Corpuscular Hemoglobin (pg)
B0.3F	365	94	8.05	14.5	42.8	53.2	18.0
	366	94	8.91	15.3	48.0	53.8	17.2
	367	94	8.76	15.4	47.1	53.7	17.5
	368	94	8.34	14.7	45.2	54.1	17.6
	369	94	8.68	15.4	47.6	54.8	17.7
	370	94	8.00	13.8	41.8	52.2	17.3
B3F	451	93	8.39	14.9	45.9	54.7	17.7
	452	93	8.28	14.9	44.7	53.9	17.9
	453	93	7.41	13.9	40.3	54.4	18.8
	454	93	8.48	14.4	44.2	52.1	17.0
	456	93	7.52	13.2	40.8	54.3	17.6
	457	93	8.43	14.7	44.9	53.3	17.4
	458	93	8.14	14.5	44.6	54.8	17.8
	459	93	8.36	14.9	44.6	53.4	17.8
	460	93	7.50	13.6	41.0	54.7	18.2
	461	94	9.06	15.7	50.7	56.0	17.4
	462	94	7.98	14.6	42.2	52.9	18.3
	463	94	8.28	14.5	43.8	52.9	17.6
	464	94	8.77	15.4	46.9	53.5	17.5
	465	94	8.07	14.8	43.9	54.4	18.4
466	94	8.70	16.0	48.6	55.9	18.4	
467	94	8.63	14.7	44.8	51.9	17.0	
468	94	7.96	14.3	44.6	56.0	18.0	
469	94	7.95	14.4	44.2	55.7	18.1	
470	94	8.44	15.0	45.8	54.3	17.8	
B6F	551	93	8.20	14.4	44.4	54.1	17.5
	552	93	7.74	13.8	41.1	53.1	17.9

Table C-10. Individual Animal Hematology Data – Females

Group	Animal		Red Blood Cell	Hemoglobin	Hematocrit	Mean	Mean
	ID	Day	Count (10⁶/μL)	(g/dL)	(%)	Corpuscular Volume (fL)	Corpuscular Hemoglobin (pg)
B6F	553	93	7.73	13.8	41.4	53.5	17.8
	554	93	8.34	14.8	43.4	52.0	17.7
	555	93	8.34	14.3	43.9	52.6	17.1
	556	93	7.70	14.2	41.8	54.3	18.5
	557	93	7.72	13.5	41.5	53.8	17.5
	558	93	7.83	14.2	42.2	53.8	18.1
	559	93	7.77	14.1	41.9	53.9	18.1
	560	93	7.92	14.2	43.2	54.5	17.9
	561	94	7.41	14.2	41.7	56.2	19.2
	562	94	8.25	14.8	43.8	53.1	18.0
	563	94	8.08	14.9	43.4	53.7	18.5
	564	94	8.31	15.4	45.9	55.3	18.5
	565	94	8.54	15.4	46.1	54.0	18.0
	566	94	8.06	14.3	43.2	53.7	17.7
	567	94	7.16	13.5	39.9	55.8	18.9
	568	94	7.89	13.8	42.8	54.3	17.5
	569	94	8.25	15.2	45.2	54.8	18.4
570	94	7.79	13.9	42.4	54.4	17.9	
E0.3F	651	93	8.85	15.2	46.4	52.4	17.2
	652	93	8.84	15.5	47.2	53.4	17.5
	653	93	8.15	15.4	46.0	56.4	18.9
	654	93	7.90	15.0	44.0	55.7	18.9
	655	93	7.74	13.8	41.5	53.6	17.9
	656	93	7.33	13.5	39.1	53.2	18.4
	657	93	8.48	14.7	45.0	53.1	17.3
	658	93	8.25	14.4	44.6	54.1	17.5
	659	93	8.59	15.4	46.7	54.3	18.0

Table C-10. Individual Animal Hematology Data – Females

Group	Animal ID	Day	Red Blood Cell Count (10⁶/μL)	Hemoglobin (g/dL)	Hematocrit (%)	Mean Corpuscular Volume (fL)	Mean Corpuscular Hemoglobin (pg)
E0.3F	660	93	8.18	14.3	44.4	54.3	17.5
	661	94	8.52	14.7	45.4	53.3	17.2
	662	94	9.38	15.7	48.5	51.7	16.8
	663	94	8.26	14.3	44.0	53.3	17.3
	664	94	8.18	14.6	44.8	54.7	17.8
	665	94	9.40	15.7	48.0	51.1	16.7
	666	94	8.06	14.4	44.2	54.8	17.9
	667	94	7.99	14.5	42.6	53.4	18.2
	668	94	8.20	15.0	45.4	55.3	18.3
	669	94	8.56	15.1	45.7	53.4	17.6
	670	94	8.22	15.1	45.7	55.6	18.3
E3F	751	93	8.62	15.3	46.3	53.8	17.7
	752	93	8.58	15.0	46.4	54.0	17.5
	753	93	7.90	14.3	42.5	53.7	18.1
	754	93	9.62	17.3	52.1	54.2	18.0
	755	93	7.89	14.3	42.7	54.1	18.2
	756	93	8.09	14.0	42.4	52.4	17.3
	757	93	8.01	15.0	44.9	56.0	18.7
	758	93	7.85	14.6	43.6	55.6	18.6
	759	93	7.51	13.6	40.5	53.9	18.1
	760	93	8.60	15.4	47.6	55.3	18.0
	761	94	8.10	15.3	45.5	56.1	18.9
	762	94	8.51	14.6	44.7	52.5	17.2
	763	94	8.85	15.1	46.9	52.9	17.0
	764	94	8.27	14.9	44.0	53.2	18.0
	765	94	7.99	14.1	42.1	52.7	17.7
	766	94	7.50	14.0	43.2	57.6	18.7

Table C-10. Individual Animal Hematology Data – Females

Group	Animal		Red Blood Cell	Hemoglobin	Hematocrit	Mean	Mean
	ID	Day	Count (10⁶/μL)	(g/dL)	(%)	Corpuscular Volume (fL)	Corpuscular Hemoglobin (pg)
E3F	767	94	7.67	14.0	43.2	56.3	18.3
	768	94	8.27	15.0	46.1	55.7	18.2
	769	94	8.07	14.4	43.5	53.9	17.9
	770	94	8.29	14.9	44.8	54.0	18.0
E6F	851	93	8.78	15.4	46.3	52.7	17.5
	852	93	8.12	14.3	43.0	52.9	17.5
	853	93	8.15	15.1	45.4	55.7	18.5
	854	93	8.24	14.0	43.3	52.5	17.0
	855	93	8.19	13.9	42.8	52.2	16.9
	856	93	7.62	13.5	39.8	52.3	17.7
	857	93	7.71	14.3	42.3	54.8	18.5
	858	93	7.85	13.3	41.3	52.6	16.9
	859	93	7.65	13.9	40.4	52.8	18.1
	860	93	7.82	14.6	43.5	55.6	18.7
	861	94	7.89	14.8	44.1	55.9	18.7
	862	94	8.30	14.6	44.4	53.5	17.6
	863	94	7.62	14.8	41.5	54.4	19.3
	864	94	8.18	15.0	44.4	54.3	18.3
	865	94	8.42	14.6	44.7	53.1	17.3
	866	94	7.61	12.8	40.2	52.8	16.8
	867	94	8.29	14.4	44.2	53.3	17.4
	868	94	8.28	14.6	45.2	54.6	17.7
	869	94	8.75	15.7	47.0	53.8	18.0
	870	94	8.22	14.1	43.9	53.4	17.2

Table C-10. Individual Animal Hematology Data – Females

Group	Animal ID	Day	Mean	Platelet Count	Reticulocytes
			Corpuscular Hemoglobin Concentration (g/dL)		
CF	151	93	32.7	816	180.3
	152	93	33.5	830	168.3
	153	93	32.1	627	132.1
	154	93	32.3	737	226.2
	155	93	33.4	612	181.0
	156	93	33.3	748	195.6
	157	93	34.0	518	155.7
	158	93	32.0	763	205.8
	159	93	33.8	596	183.7
	160	93	33.3	891	184.0
	161	94	32.7	773	167.4
	162	94	34.3	757	145.7
	163	94	32.9	680	224.1
	164	94	34.0	829	181.5
	165	94	33.3	745	197.9
	166	94	35.6	630	201.8
	167	94	33.4	831	176.2
	168	94	33.5	867	168.2
	169	94	32.7	779	177.9
	170	94	35.1	608	192.3
NT6F	251	93	33.0	780	185.6
	252	93	33.4	635	199.2
	253	93	32.7	660	180.7
	254	93	32.9	699	218.2
	255	93	32.4	626	191.3
	256	93	32.9	578	188.6

Table C-10. Individual Animal Hematology Data – Females

Group	Animal ID	Day	Mean Corpuscular Hemoglobin Concentration (g/dL)	Platelet Count ($10^3/\mu\text{L}$)	Reticulocytes ($10^3/\mu\text{L}$)
NT6F	257	93	33.0	679	121.1
	258	93	33.3	530	114.0
	259	93	32.2	752	146.4
	260	93	33.3	954	227.2
	261	94	32.2	638	182.1
	262	94	33.8	656	178.3
	263	94	33.7	572	185.8
	264	94	33.6	747	182.4
	265	94	33.7	590	112.8
	266	94	32.4	756	187.6
	267	94	32.9	795	170.8
	268	94	33.4	827	199.8
	269	94	32.9	559	178.9
270	94	34.1	826	147.1	
B0.3F	351	93	33.5	775	223.3
	352	93	31.7	830	202.8
	353	93	33.0	813	114.3
	354	93	34.5	659	182.7
	355	93	33.5	574	177.3
	356	93	33.4	499	156.7
	357	93	34.5	562	188.1
	358	93	33.8	752	130.8
	359	93	32.4	666	197.4
	360	93	33.1	766	159.9
	361	94	32.8	639	198.8
	362	94	33.1	719	139.2

Table C-10. Individual Animal Hematology Data – Females

Group	Animal ID	Day	Mean Corpuscular Hemoglobin Concentration (g/dL)	Platelet Count (10³/μL)	Reticulocytes (10³/μL)
B0.3F	363	94	33.1	575	230.1
	364	94	33.8	741	163.8
	365	94	33.9	834	184.0
	366	94	31.9	710	215.3
	367	94	32.7	646	221.4
	368	94	32.5	741	151.0
	369	94	32.3	685	224.6
	370	94	33.1	696	195.1
B3F	451	93	32.4	733	173.4
	452	93	33.3	853	209.0
	453	93	34.5	753	264.5
	454	93	32.7	512	189.6
	456	93	32.4	759	165.1
	457	93	32.7	689	173.7
	458	93	32.4	594	230.8
	459	93	33.3	738	173.6
	460	93	33.3	838	140.3
	461	94	31.0	793	183.2
	462	94	34.5	684	182.6
	463	94	33.2	761	277.7
	464	94	32.8	716	244.2
	465	94	33.7	695	202.1
	466	94	32.9	624	163.5
	467	94	32.8	804	154.2
	468	94	32.1	797	240.7
469	94	32.5	722	241.7	

Table C-10. Individual Animal Hematology Data – Females

Group	Animal ID	Day	Mean Corpuscular Hemoglobin Concentration (g/dL)	Platelet Count ($10^3/\mu\text{L}$)	Reticulocytes ($10^3/\mu\text{L}$)
B3F	470	94	32.8	713	171.2
B6F	551	93	32.3	667	189.0
	552	93	33.7	655	191.9
	553	93	33.3	916	171.3
	554	93	34.0	862	152.2
	555	93	32.5	789	166.0
	556	93	34.0	611	135.7
	557	93	32.6	900	168.3
	558	93	33.6	760	174.2
	559	93	33.5	710	183.9
	560	93	32.8	649	180.6
	561	94	34.1	615	172.0
	562	94	33.9	675	232.0
	563	94	34.4	758	245.9
	564	94	33.5	631	223.7
	565	94	33.4	607	178.8
	566	94	33.0	617	130.3
	567	94	33.8	732	201.9
	568	94	32.2	648	167.3
	569	94	33.7	636	214.1
	570	94	32.9	885	210.7
E0.3F	651	93	32.9	749	134.9
	652	93	32.8	640	154.8
	653	93	33.5	681	184.8
	654	93	34.0	719	217.3
	655	93	33.3	689	162.5

Table C-10. Individual Animal Hematology Data – Females

Group	Animal ID	Day	Mean Corpuscular Hemoglobin Concentration (g/dL)	Platelet Count ($10^3/\mu\text{L}$)	Reticulocytes ($10^3/\mu\text{L}$)
E0.3F	656	93	34.5	790	150.5
	657	93	32.6	655	176.2
	658	93	32.4	850	185.8
	659	93	33.1	754	165.4
	660	93	32.2	666	232.9
	661	94	32.4	746	167.7
	662	94	32.5	763	216.6
	663	94	32.4	681	177.1
	664	94	32.6	671	213.1
	665	94	32.6	757	176.2
	666	94	32.6	672	220.8
	667	94	34.0	700	182.3
	668	94	33.1	807	156.3
669	94	33.0	897	250.9	
670	94	33.0	823	238.1	
E3F	751	93	32.9	566	169.3
	752	93	32.5	518	133.8
	753	93	33.8	568	166.1
	754	93	33.2	686	234.4
	755	93	33.6	789	222.1
	756	93	33.0	874	192.4
	757	93	33.4	685	168.8
	758	93	33.5	612	246.0
	759	93	33.5	727	135.4
	760	93	32.4	835	152.3
	761	94	33.6	776	168.3

Table C-10. Individual Animal Hematology Data – Females

Group	Animal ID	Day	Mean Corpuscular Hemoglobin Concentration (g/dL)	Platelet Count ($10^3/\mu\text{L}$)	Reticulocytes ($10^3/\mu\text{L}$)
E3F	762	94	32.7	799	120.5
	763	94	32.2	728	185.5
	764	94	33.9	683	199.8
	765	94	33.5	703	267.7
	766	94	32.4	752	245.2
	767	94	32.5	895	192.9
	768	94	32.6	567	209.7
	769	94	33.2	867	208.2
	770	94	33.3	633	219.9
E6F	851	93	33.2	708	184.4
	852	93	33.2	715	206.1
	853	93	33.3	762	197.0
	854	93	32.4	650	146.0
	855	93	32.5	703	173.0
	856	93	33.8	580	143.6
	857	93	33.8	723	148.9
	858	93	32.2	854	85.0
	859	93	34.4	736	163.6
	860	93	33.6	400	218.3
	861	94	33.5	858	128.1
	862	94	33.0	666	198.6
	863	94	35.6	817	170.0
	864	94	33.7	896	219.4
	865	94	32.6	701	200.8
	866	94	31.8	958	134.0
	867	94	32.6	637	162.4

Table C-10. Individual Animal Hematology Data – Females

Group	Animal ID	Day	Mean Corpuscular Hemoglobin Concentration (g/dL)	Platelet Count ($10^3/\mu\text{L}$)	Reticulocytes ($10^3/\mu\text{L}$)
E6F	868	94	32.4	669	214.2
	869	94	33.5	797	207.0
	870	94	32.2	770	162.8

Table C-11. Individual Animal Absolute WBC Differential Count Data – Males

Group	Animal ID	Day	White Blood	Neutrophils	Total	Monocytes	Eosinophils
			Cell Count (10 ³ /μL)	(10 ³ /μL)	Lymphocytes (10 ³ /μL)	(10 ³ /μL)	(10 ³ /μL)
CM	101	92	7.89	2.03	5.44	0.30	0.13
	102	92	5.86	1.04	4.62	0.10	0.09
	103	92	6.85	1.56	4.89	0.31	0.07
	104	92	8.66	2.47	5.71	0.33	0.14
	105	92	4.93	1.79	2.85	0.19	0.09
	106	92	6.94	1.50	5.26	0.10	0.07
	107	92	6.15	0.97	4.97	0.15	0.05
	108	92	5.66	1.44	3.78	0.33	0.10
	109	92	5.08	1.49	3.38	0.14	0.07
	110	92	4.61	1.21	3.21	0.15	0.04
	111	93	5.15	2.32	2.58	0.10	0.15
	112	93	6.00	1.16	4.56	0.10	0.18
	113	93	6.14	1.23	4.85	0.06	0.00
	114	93	6.86	1.43	5.10	0.21	0.11
	115	93	5.86	0.69	4.96	0.13	0.07
	116	93	6.73	1.07	5.39	0.14	0.11
	117	93	3.26	0.39	2.80	0.03	0.03
	118	93	5.07	1.02	3.84	0.09	0.11
	119	93	4.78	0.68	3.84	0.16	0.09
	120	93	6.25	1.04	4.92	0.20	0.09
NT6M	201	92	8.14	1.90	5.89	0.25	0.10
	202	92	6.77	1.58	4.86	0.23	0.07
	203	92	6.05	1.22	4.45	0.26	0.10
	204	92	8.92	1.60	7.01	0.20	0.09
	205	92	10.08	1.31	8.42	0.24	0.07
	206	92	6.23	1.24	4.78	0.14	0.06
	207	92	5.20	0.69	4.28	0.17	0.04
	208	92	6.35	1.05	5.06	0.15	0.09

Table C-11. Individual Animal Absolute WBC Differential Count Data – Males

Group	Animal ID	Day	White Blood		Total	Monocytes (10 ³ /μL)	Eosinophils (10 ³ /μL)
			Cell Count (10 ³ /μL)	Neutrophils (10 ³ /μL)	Lymphocytes (10 ³ /μL)		
NT6M	209	92	6.69	0.89	5.60	0.11	0.08
	210	92	3.03	0.41	2.53	0.05	0.03
	211	93	3.78	0.86	2.80	0.09	0.03
	212	93	7.59	1.04	6.25	0.21	0.07
	213	93	5.98	0.70	5.09	0.11	0.07
	214	93	9.99	1.43	8.21	0.22	0.11
	215	93	4.20	0.77	3.26	0.09	0.07
	216	93	6.92	0.87	5.88	0.08	0.09
	217	93	7.18	1.54	5.29	0.24	0.08
	218	93	5.33	0.81	4.41	0.05	0.05
	219	93	5.90	0.86	4.88	0.11	0.04
	220	93	6.55	0.90	5.47	0.08	0.08
B0.3M	301	92	4.53	1.49	2.85	0.14	0.05
	302	92	7.06	1.09	5.70	0.18	0.07
	303	92	4.40	2.36	1.76	0.15	0.12
	304	92	8.58	1.26	7.01	0.20	0.08
	305	92	7.68	1.24	6.16	0.22	0.06
	306	92	6.93	0.86	5.86	0.13	0.08
	307	92	7.25	1.39	5.53	0.19	0.14
	308	92	5.89	0.64	5.04	0.11	0.09
	309	92	6.57	1.19	5.08	0.17	0.12
	310	92	5.08	1.44	3.43	0.15	0.05
	311	93	7.83	1.90	5.29	0.25	0.39
	312	93	8.54	1.34	6.90	0.23	0.06
	313	93	7.86	0.94	6.62	0.23	0.06
	314	93	8.63	1.58	6.64	0.32	0.09
	315	93	6.45	0.97	5.48	0.00	0.00
	316	93	6.25	0.85	5.22	0.09	0.07

Table C-11. Individual Animal Absolute WBC Differential Count Data – Males

Group	Animal ID	Day	White Blood		Total Lymphocytes (10 ³ /μL)	Monocytes (10 ³ /μL)	Eosinophils (10 ³ /μL)
			Cell Count (10 ³ /μL)	Neutrophils (10 ³ /μL)			
B0.3M	317	93	6.37	0.87	5.32	0.10	0.08
	318	93	4.52	1.37	2.95	0.13	0.06
	319	93	5.81	1.39	4.13	0.19	0.08
	320	93	4.79	1.27	3.30	0.13	0.08
B3M	401	92	8.09	2.07	5.60	0.31	0.09
	402	92	5.85	1.35	4.25	0.16	0.07
	403	92	6.71	1.56	4.89	0.18	0.07
	404	92	6.18	0.95	5.04	0.13	0.06
	405	92	10.27	1.51	8.48	0.21	0.06
	406	92	6.67	0.90	5.59	0.10	0.06
	407	92	3.68	0.99	2.54	0.10	0.04
	408	92	5.57	0.65	4.75	0.11	0.05
	409	92	7.68	1.07	6.38	0.12	0.10
	410	92	3.99	1.05	2.71	0.16	0.06
	411	93	9.42	1.60	7.53	0.18	0.11
	412	93	6.36	0.61	5.49	0.19	0.06
	413	93	7.29	1.41	5.59	0.20	0.08
	414	93	9.08	1.00	7.72	0.25	0.09
	415	93	6.97	2.25	4.47	0.15	0.07
	416	93	5.33	0.74	4.42	0.10	0.06
	417	93	4.38	0.41	3.89	0.06	0.03
418	93	5.36	0.69	4.53	0.06	0.08	
419	93	5.16	0.69	4.32	0.09	0.05	
420	93	4.12	0.62	3.38	0.08	0.04	
B6M	501	92	6.73	0.90	5.65	0.10	0.07
	502	92	4.75	1.00	3.58	0.14	0.03
	503	92	7.84	1.24	6.30	0.17	0.12
	504	92	8.58	1.04	7.32	0.12	0.09

Table C-11. Individual Animal Absolute WBC Differential Count Data – Males

Group	Animal ID	Day	White Blood	Neutrophils	Total	Monocytes	Eosinophils	
			Cell Count (10 ³ /μL)	(10 ³ /μL)	Lymphocytes (10 ³ /μL)	(10 ³ /μL)	(10 ³ /μL)	
B6M	505	92	6.50	1.08	5.24	0.08	0.09	
	506	92	5.45	0.87	4.27	0.21	0.08	
	507	92	4.52	0.95	3.43	0.09	0.06	
	508	92	5.12	0.83	4.05	0.13	0.10	
	509	92	5.67	1.14	4.32	0.12	0.09	
	510	92	6.30	1.34	4.78	0.09	0.09	
	511	93	5.35	0.89	4.34	0.05	0.07	
	512	93	5.14	0.74	4.16	0.15	0.08	
	513	93	8.97	1.35	7.35	0.17	0.09	
	514	93	5.10	1.08	3.81	0.06	0.15	
	515	93	6.71	0.92	5.57	0.15	0.06	
	516	93	6.84	1.27	5.37	0.11	0.08	
	517	93	5.54	0.75	4.61	0.12	0.05	
	518	93	8.77	1.17	7.35	0.15	0.07	
	519	93	6.98	1.16	5.53	0.17	0.10	
	520	93	7.41	0.71	6.51	0.10	0.08	
	E0.3M	601	92	4.65	1.35	3.06	0.09	0.15
		602	92	7.12	1.18	5.60	0.16	0.15
		603	92	5.25	1.32	3.71	0.14	0.07
		604	92	8.67	1.68	6.57	0.28	0.11
605		92	4.82	1.40	3.20	0.11	0.10	
606		92	7.95	1.35	6.35	0.17	0.06	
607		92	4.24	0.78	3.35	0.06	0.05	
608		92	5.92	1.22	4.43	0.16	0.11	
609		92	5.78	1.01	4.49	0.17	0.09	
610		92	3.55	1.03	2.38	0.07	0.06	
611		93	9.37	1.18	7.84	0.24	0.09	
612		93	6.25	0.71	5.34	0.12	0.07	

Table C-11. Individual Animal Absolute WBC Differential Count Data – Males

Group	Animal ID	Day	White Blood	Neutrophils	Total	Monocytes	Eosinophils
			Cell Count (10 ³ /μL)	(10 ³ /μL)	Lymphocytes (10 ³ /μL)	(10 ³ /μL)	(10 ³ /μL)
E0.3M	613	93	8.61	1.37	6.86	0.25	0.11
	614	93	4.68	1.01	3.46	0.12	0.08
	615	93	8.02	0.73	6.99	0.22	0.07
	616	93	7.09	0.89	6.00	0.14	0.05
	617	93	4.69	1.14	3.36	0.12	0.06
	618	93	4.53	0.71	3.72	0.07	0.03
	619	93	5.39	0.91	4.25	0.15	0.07
	620	93	5.17	0.85	4.06	0.09	0.16
E3M	701	92	4.98	0.68	4.16	0.11	0.03
	702	92	5.87	1.45	4.18	0.17	0.06
	703	92	8.96	2.46	6.08	0.30	0.10
	704	92	7.36	1.40	5.71	0.17	0.06
	705	92	7.69	1.52	5.87	0.21	0.08
	706	92	4.94	0.84	3.92	0.10	0.07
	707	92	3.90	1.05	2.73	0.08	0.04
	708	92	8.06	1.51	6.26	0.21	0.06
	709	92	4.54	1.00	3.50	0.05	0.00
	710	92	5.35	1.11	4.11	0.06	0.06
	711	93	6.10	0.86	4.95	0.20	0.07
	712	93	7.83	2.05	5.50	0.24	0.04
	713	93	7.79	0.95	6.52	0.16	0.15
	714	93	5.96	0.83	4.93	0.14	0.04
	715	93	5.71	1.04	4.47	0.12	0.07
	716	93	9.16	0.79	7.96	0.28	0.10
717	93	6.65	0.51	5.94	0.10	0.08	
718	93	5.21	0.76	4.19	0.18	0.08	
719	93	5.97	0.82	4.96	0.14	0.05	
720	93	6.63	1.43	4.90	0.20	0.10	

Table C-11. Individual Animal Absolute WBC Differential Count Data – Males

Group	Animal ID	Day	White Blood	Neutrophils	Total	Monocytes	Eosinophils
			Cell Count (10 ³ /μL)	(10 ³ /μL)	Lymphocytes (10 ³ /μL)	(10 ³ /μL)	(10 ³ /μL)
E6M	801	92	7.99	1.34	6.45	0.12	0.07
	802	92	6.46	0.92	5.29	0.17	0.07
	803	92	9.19	2.05	6.84	0.22	0.08
	804	92	8.17	1.38	6.49	0.20	0.09
	805	92	8.01	2.14	5.57	0.21	0.08
	806	92	5.70	0.83	4.72	0.06	0.08
	807	92	6.38	1.22	4.92	0.18	0.06
	808	92	5.63	0.78	4.69	0.10	0.04
	809	92	6.24	0.77	5.29	0.11	0.05
	810	92	6.74	1.54	5.01	0.11	0.06
	811	93	9.08	1.19	7.53	0.25	0.10
	812	93	8.07	0.96	6.83	0.19	0.07
	813	93	7.92	1.32	6.27	0.22	0.09
	814	93	7.74	1.89	5.59	0.16	0.08
	815	93	9.38	1.04	8.10	0.16	0.06
	816	93	7.72	0.91	6.58	0.12	0.09
	817	93	7.17	1.09	5.86	0.10	0.12
	818	93	6.75	1.05	5.42	0.15	0.11
	819	93	6.09	0.73	5.22	0.09	0.05
	820	93	6.56	0.99	5.32	0.07	0.18

Table C-11. Individual Animal Absolute WBC Differential Count Data – Males

Group	Animal ID	Day	Basophils (10³/μL)
CM	101	92	0.00
	102	92	0.01
	103	92	0.01
	104	92	0.01
	105	92	0.01
	106	92	0.00
	107	92	0.01
	108	92	0.01
	109	92	0.01
	110	92	0.00
	111	93	0.00
	112	93	0.01
	113	93	0.00
	114	93	0.02
	115	93	0.01
	116	93	0.01
	117	93	0.00
	118	93	0.01
	119	93	0.01
	120	93	0.01
NT6M	201	92	0.01
	202	92	0.02
	203	92	0.02
	204	92	0.02
	205	92	0.03
	206	92	0.01
	207	92	0.01
	208	92	0.01
	209	92	0.01

Table C-11. Individual Animal Absolute WBC Differential Count Data – Males

Group	Animal ID	Day	Basophils (10³/μL)
NT6M	210	92	0.01
	211	93	0.00
	212	93	0.01
	213	93	0.01
	214	93	0.02
	215	93	0.01
	216	93	0.01
	217	93	0.03
	218	93	0.01
	219	93	0.01
	220	93	0.01
B0.3M	301	92	0.00
	302	92	0.01
	303	92	0.00
	304	92	0.03
	305	92	0.01
	306	92	0.01
	307	92	0.01
	308	92	0.01
	309	92	0.00
	310	92	0.01
	311	93	0.01
	312	93	0.02
	313	93	0.02
	314	93	0.01
	315	93	0.00
	316	93	0.02
	317	93	0.01
	318	93	0.00

Table C-11. Individual Animal Absolute WBC Differential Count Data – Males

Group	Animal ID	Day	Basophils (10³/μL)
B0.3M	319	93	0.01
	320	93	0.00
B3M	401	92	0.01
	402	92	0.01
	403	92	0.01
	404	92	0.00
	405	92	0.02
	406	92	0.01
	407	92	0.00
	408	92	0.00
	409	92	0.01
	410	92	0.00
	411	93	0.01
	412	93	0.01
	413	93	0.01
	414	93	0.01
	415	93	0.01
	416	93	0.00
	417	93	0.00
	418	93	0.00
	419	93	0.01
	420	93	0.00
B6M	501	92	0.01
	502	92	0.01
	503	92	0.02
	504	92	0.02
	505	92	0.00
	506	92	0.01
	507	92	0.00

Table C-11. Individual Animal Absolute WBC Differential Count Data – Males

Group	Animal ID	Day	Basophils (10³/μL)
B6M	508	92	0.01
	509	92	0.00
	510	92	0.00
	511	93	0.00
	512	93	0.00
	513	93	0.02
	514	93	0.00
	515	93	0.01
	516	93	0.01
	517	93	0.01
	518	93	0.02
	519	93	0.02
	520	93	0.01
E0.3M	601	92	0.00
	602	92	0.01
	603	92	0.00
	604	92	0.02
	605	92	0.01
	606	92	0.01
	607	92	0.01
	608	92	0.01
	609	92	0.01
	610	92	0.00
	611	93	0.01
	612	93	0.01
	613	93	0.01
	614	93	0.01
	615	93	0.01
	616	93	0.01

Table C-11. Individual Animal Absolute WBC Differential Count Data – Males

Group	Animal ID	Day	Basophils (10³/μL)
E0.3M	617	93	0.01
	618	93	0.00
	619	93	0.01
	620	93	0.01
E3M	701	92	0.00
	702	92	0.01
	703	92	0.01
	704	92	0.01
	705	92	0.01
	706	92	0.00
	707	92	0.00
	708	92	0.02
	709	92	0.00
	710	92	0.01
	711	93	0.01
	712	93	0.00
	713	93	0.01
	714	93	0.01
	715	93	0.01
	716	93	0.02
E6M	801	92	0.01
	802	92	0.01
	803	92	0.01
	804	92	0.01
	805	92	0.01

Table C-11. Individual Animal Absolute WBC Differential Count Data – Males

Group	Animal ID	Day	Basophils (10³/μL)
E6M	806	92	0.01
	807	92	0.01
	808	92	0.01
	809	92	0.01
	810	92	0.01
	811	93	0.01
	812	93	0.02
	813	93	0.01
	814	93	0.01
	815	93	0.03
	816	93	0.01
	817	93	0.01
	818	93	0.01
	819	93	0.01
	820	93	0.01

Table C-12. Individual Animal Absolute WBC Differential Count Data – Females

Group	Animal ID	Day	White Blood		Total	Monocytes	Eosinophils
			Cell Count (10 ³ /μL)	Neutrophils (10 ³ /μL)	Lymphocytes (10 ³ /μL)	(10 ³ /μL)	(10 ³ /μL)
CF	151	93	4.21	0.65	3.31	0.15	0.10
	152	93	3.39	0.72	2.51	0.10	0.05
	153	93	4.73	0.74	3.82	0.10	0.06
	154	93	5.13	0.87	4.00	0.19	0.06
	155	93	4.00	0.61	3.20	0.11	0.07
	156	93	2.77	0.28	2.44	0.06	0.00
	157	93	4.05	0.60	3.32	0.07	0.05
	158	93	3.54	0.98	2.44	0.08	0.04
	159	93	4.43	0.77	3.43	0.13	0.08
	160	93	2.36	0.44	1.81	0.08	0.03
	161	94	3.17	0.43	2.58	0.10	0.06
	162	94	4.71	0.58	3.96	0.12	0.04
	163	94	4.67	0.52	4.04	0.08	0.03
	164	94	4.04	0.58	3.30	0.09	0.07
	165	94	3.81	0.53	3.10	0.10	0.08
	166	94	4.11	0.61	3.36	0.06	0.07
	167	94	4.77	0.78	3.77	0.17	0.04
	168	94	4.25	0.64	3.38	0.16	0.06
	169	94	2.68	0.43	2.13	0.09	0.03
	170	94	5.14	2.13	2.77	0.18	0.06
NT6F	251	93	5.16	0.56	4.45	0.09	0.05
	252	93	4.94	0.68	4.06	0.11	0.08
	253	93	6.53	0.70	5.55	0.20	0.06
	254	93	6.44	0.83	5.41	0.15	0.05
	255	93	6.59	0.74	5.57	0.15	0.11
	256	93	3.91	0.59	3.19	0.08	0.05
	257	93	4.75	1.00	3.56	0.11	0.07
	258	93	4.47	0.68	3.66	0.08	0.05

Table C-12. Individual Animal Absolute WBC Differential Count Data – Females

Group	Animal ID	Day	White Blood		Total	Monocytes	Eosinophils
			Cell Count (10 ³ /μL)	Neutrophils (10 ³ /μL)	Lymphocytes (10 ³ /μL)	(10 ³ /μL)	(10 ³ /μL)
NT6F	259	93	5.45	0.65	4.63	0.11	0.06
	260	93	3.83	0.58	3.12	0.07	0.06
	261	94	4.66	0.53	4.00	0.10	0.03
	262	94	4.15	0.61	3.35	0.12	0.06
	263	94	5.30	0.48	4.46	0.31	0.05
	264	94	6.89	0.83	5.79	0.19	0.07
	265	94	7.61	1.05	6.32	0.18	0.05
	266	94	5.37	0.64	4.56	0.13	0.03
	267	94	3.06	0.28	2.69	0.04	0.04
	268	94	5.99	0.83	4.94	0.14	0.06
	269	94	3.34	0.43	2.84	0.07	0.00
270	94	3.63	0.55	2.95	0.06	0.06	
B0.3F	351	93	7.28	1.63	5.41	0.20	0.03
	352	93	5.36	0.96	4.10	0.21	0.09
	353	93	2.44	1.28	0.94	0.10	0.11
	354	93	5.29	0.63	4.49	0.14	0.02
	355	93	8.27	1.98	5.85	0.30	0.13
	356	93	3.18	0.49	2.54	0.07	0.07
	357	93	3.50	0.54	2.82	0.08	0.05
	358	93	4.32	0.79	3.31	0.10	0.11
	359	93	4.52	0.56	3.82	0.09	0.04
	360	93	5.25	0.61	4.53	0.05	0.06
	361	94	6.40	0.86	5.28	0.18	0.08
	362	94	4.53	0.38	3.92	0.17	0.06
	363	94	4.54	0.86	3.43	0.13	0.11
	364	94	5.49	0.76	4.45	0.23	0.06
	365	94	6.65	1.46	4.62	0.51	0.05
	366	94	5.15	0.73	4.23	0.13	0.06

Table C-12. Individual Animal Absolute WBC Differential Count Data – Females

Group	Animal ID	Day	White Blood	Neutrophils	Total	Monocytes	Eosinophils
			Cell Count (10 ³ /μL)	(10 ³ /μL)	Lymphocytes (10 ³ /μL)	(10 ³ /μL)	(10 ³ /μL)
B0.3F	367	94	3.66	1.04	2.51	0.05	0.06
	368	94	4.39	0.73	3.45	0.13	0.07
	369	94	4.78	0.77	3.77	0.16	0.07
	370	94	4.06	1.09	2.84	0.07	0.06
B3F	451	93	6.55	1.18	5.08	0.21	0.07
	452	93	4.71	0.82	3.65	0.15	0.09
	453	93	2.78	0.70	1.98	0.06	0.03
	454	93	7.05	0.80	5.96	0.22	0.05
	456	93	3.63	0.65	2.86	0.05	0.06
	457	93	5.63	0.53	4.88	0.10	0.10
	458	93	2.10	0.57	1.51	0.02	0.00
	459	93	4.91	0.48	4.32	0.06	0.05
	460	93	6.22	1.13	4.83	0.18	0.06
	461	94	2.85	0.38	2.30	0.13	0.03
	462	94	5.01	0.81	3.95	0.17	0.07
	463	94	4.33	0.59	3.60	0.09	0.03
	464	94	7.49	1.40	5.78	0.21	0.08
	465	94	4.61	0.60	3.83	0.12	0.05
	466	94	4.70	0.59	3.94	0.14	0.03
	467	94	5.34	0.81	4.27	0.15	0.09
	468	94	2.52	0.50	1.94	0.05	0.02
469	94	2.21	0.39	1.76	0.04	0.03	
470	94	2.71	0.21	2.45	0.03	0.03	
B6F	551	93	6.21	1.17	4.77	0.22	0.04
	552	93	4.19	0.73	3.30	0.11	0.05
	553	93	7.03	1.22	5.44	0.22	0.15
	554	93	5.76	0.71	4.81	0.16	0.07
	555	93	5.07	0.74	4.05	0.20	0.08

Table C-12. Individual Animal Absolute WBC Differential Count Data – Females

Group	Animal ID	Day	White Blood		Total	Monocytes	Eosinophils
			Cell Count (10 ³ /μL)	Neutrophils (10 ³ /μL)	Lymphocytes (10 ³ /μL)	(10 ³ /μL)	(10 ³ /μL)
B6F	556	93	4.41	0.47	3.80	0.08	0.06
	557	93	3.29	0.76	2.40	0.09	0.04
	558	93	3.30	0.61	2.57	0.06	0.06
	559	93	3.40	1.04	2.27	0.05	0.05
	560	93	3.80	0.48	3.14	0.14	0.04
	561	94	6.04	0.84	4.97	0.17	0.06
	562	94	5.38	1.07	4.01	0.24	0.06
	563	94	5.84	1.09	4.50	0.15	0.08
	564	94	5.57	0.80	4.61	0.11	0.06
	565	94	7.05	0.55	6.23	0.21	0.07
	566	94	3.65	0.52	2.99	0.10	0.04
	567	94	3.87	0.95	2.77	0.09	0.05
	568	94	3.89	0.64	3.02	0.10	0.12
	569	94	3.24	0.44	2.68	0.07	0.05
	570	94	3.04	0.58	2.40	0.06	0.00
E0.3F	651	93	5.32	0.73	4.39	0.13	0.05
	652	93	5.86	1.24	4.30	0.24	0.07
	653	93	7.54	1.38	5.88	0.22	0.05
	654	93	4.19	0.81	3.21	0.12	0.05
	655	93	4.82	0.89	3.78	0.11	0.04
	656	93	4.13	0.80	3.16	0.11	0.06
	657	93	3.92	0.49	3.26	0.10	0.07
	658	93	4.16	0.63	3.30	0.14	0.08
	659	93	3.46	0.78	2.54	0.10	0.04
	660	93	3.09	0.84	2.11	0.06	0.07
	661	94	5.13	0.90	4.03	0.12	0.07
	662	94	3.54	0.72	2.68	0.09	0.03
	663	94	5.43	0.55	4.59	0.20	0.09

Table C-12. Individual Animal Absolute WBC Differential Count Data – Females

Group	Animal ID	Day	White Blood	Neutrophils	Total	Monocytes	Eosinophils
			Cell Count (10 ³ /μL)	(10 ³ /μL)	Lymphocytes (10 ³ /μL)	(10 ³ /μL)	(10 ³ /μL)
E0.3F	664	94	7.91	1.92	5.60	0.32	0.06
	665	94	6.39	0.96	5.05	0.27	0.10
	666	94	2.49	0.60	1.78	0.06	0.05
	667	94	3.17	0.53	2.49	0.10	0.05
	668	94	2.35	0.49	1.79	0.05	0.03
	669	94	4.04	0.67	3.25	0.07	0.04
	670	94	4.08	0.61	3.35	0.08	0.05
E3F	751	93	5.17	0.49	4.52	0.09	0.07
	752	93	4.81	0.44	4.17	0.14	0.05
	753	93	5.79	1.31	4.13	0.24	0.10
	754	93	5.81	0.85	4.76	0.12	0.06
	755	93	3.85	0.64	3.06	0.12	0.03
	756	93	3.54	0.97	2.44	0.08	0.05
	757	93	3.69	0.60	2.94	0.08	0.06
	758	93	2.05	0.67	1.31	0.04	0.03
	759	93	3.53	0.51	2.91	0.07	0.04
	760	93	3.43	0.39	2.96	0.04	0.04
	761	94	6.46	0.63	5.62	0.15	0.05
	762	94	3.42	0.43	2.83	0.08	0.07
	763	94	6.51	0.73	5.50	0.19	0.08
	764	94	6.17	1.01	4.98	0.10	0.06
	765	94	4.62	0.61	3.76	0.17	0.07
	766	94	3.61	0.72	2.78	0.11	0.00
	767	94	2.98	0.67	2.21	0.06	0.05
	768	94	1.92	0.73	1.17	0.02	0.00
	769	94	4.82	0.96	3.73	0.07	0.04
	770	94	3.67	1.01	2.51	0.12	0.03

Table C-12. Individual Animal Absolute WBC Differential Count Data – Females

Group	Animal ID	Day	White Blood Cell Count (10³/μL)	Neutrophils (10³/μL)	Total Lymphocytes (10³/μL)	Monocytes (10³/μL)	Eosinophils (10³/μL)
E6F	851	93	5.75	0.58	4.99	0.12	0.04
	852	93	5.92	1.02	4.63	0.18	0.09
	853	93	8.43	1.25	6.74	0.32	0.11
	854	93	6.53	0.68	5.56	0.22	0.08
	855	93	7.69	0.79	6.66	0.15	0.07
	856	93	6.33	0.44	5.70	0.06	0.13
	857	93	4.56	0.88	3.39	0.23	0.06
	858	93	3.98	0.69	3.12	0.13	0.03
	859	93	4.88	0.84	3.79	0.18	0.07
	860	93	2.30	0.41	1.82	0.04	0.03
	861	94	3.67	0.57	2.97	0.07	0.05
	862	94	4.60	0.74	3.67	0.12	0.06
	863	94	8.05	1.21	6.50	0.23	0.09
	864	94	8.18	0.96	6.92	0.15	0.13
	865	94	4.36	0.60	3.58	0.12	0.06
	866	94	2.43	0.36	2.00	0.04	0.03
	867	94	4.93	0.60	4.13	0.15	0.05
	868	94	2.92	0.51	2.31	0.06	0.04
	869	94	2.81	0.66	2.05	0.05	0.04
	870	94	5.29	1.33	3.74	0.10	0.11

Table C-12. Individual Animal Absolute WBC Differential Count Data – Females

Group	Animal ID	Day	Basophils (10³/μL)
CF	151	93	0.00
	152	93	0.01
	153	93	0.01
	154	93	0.01
	155	93	0.01
	156	93	0.00
	157	93	0.01
	158	93	0.00
	159	93	0.01
	160	93	0.00
	161	94	0.00
	162	94	0.00
	163	94	0.00
	164	94	0.00
	165	94	0.01
	166	94	0.00
	167	94	0.01
	168	94	0.01
	169	94	0.01
	170	94	0.01
NT6F	251	93	0.01
	252	93	0.01
	253	93	0.01
	254	93	0.00
	255	93	0.01
	256	93	0.00
	257	93	0.01
	258	93	0.00
	259	93	0.01

Table C-12. Individual Animal Absolute WBC Differential Count Data – Females

Group	Animal ID	Day	Basophils (10³/μL)
NT6F	260	93	0.00
	261	94	0.01
	262	94	0.01
	263	94	0.01
	264	94	0.01
	265	94	0.01
	266	94	0.01
	267	94	0.01
	268	94	0.00
	269	94	0.00
	270	94	0.00
B0.3F	351	93	0.01
	352	93	0.00
	353	93	0.00
	354	93	0.01
	355	93	0.01
	356	93	0.01
	357	93	0.00
	358	93	0.01
	359	93	0.01
	360	93	0.00
	361	94	0.01
	362	94	0.00
	363	94	0.01
	364	94	0.00
	365	94	0.01
	366	94	0.00
	367	94	0.00
	368	94	0.01

Table C-12. Individual Animal Absolute WBC Differential Count Data – Females

Group	Animal ID	Day	Basophils (10³/μL)
B0.3F	369	94	0.01
	370	94	0.01
B3F	451	93	0.01
	452	93	0.00
	453	93	0.00
	454	93	0.02
	456	93	0.01
	457	93	0.01
	458	93	0.00
	459	93	0.01
	460	93	0.01
	461	94	0.00
	462	94	0.01
	463	94	0.00
	464	94	0.01
	465	94	0.01
	466	94	0.00
	467	94	0.01
	468	94	0.00
	469	94	0.00
470	94	0.00	
B6F	551	93	0.01
	552	93	0.00
	553	93	0.00
	554	93	0.01
	555	93	0.00
	556	93	0.01
	557	93	0.00
	558	93	0.01

Table C-12. Individual Animal Absolute WBC Differential Count Data – Females

Group	Animal ID	Day	Basophils (10³/μL)
B6F	559	93	0.00
	560	93	0.00
	561	94	0.01
	562	94	0.01
	563	94	0.01
	564	94	0.00
	565	94	0.01
	566	94	0.01
	567	94	0.00
	568	94	0.01
	569	94	0.00
	570	94	0.00
E0.3F	651	93	0.00
	652	93	0.01
	653	93	0.02
	654	93	0.00
	655	93	0.01
	656	93	0.00
	657	93	0.01
	658	93	0.01
	659	93	0.01
	660	93	0.00
	661	94	0.00
	662	94	0.00
	663	94	0.01
	664	94	0.01
	665	94	0.01
	666	94	0.00
	667	94	0.00

Table C-12. Individual Animal Absolute WBC Differential Count Data – Females

Group	Animal ID	Day	Basophils (10³/μL)
E0.3F	668	94	0.00
	669	94	0.01
	670	94	0.00
E3F	751	93	0.01
	752	93	0.01
	753	93	0.01
	754	93	0.01
	755	93	0.00
	756	93	0.01
	757	93	0.00
	758	93	0.00
	759	93	0.00
	760	93	0.00
	761	94	0.01
	762	94	0.01
	763	94	0.01
	764	94	0.02
	765	94	0.01
	766	94	0.00
	767	94	0.00
768	94	0.00	
769	94	0.01	
770	94	0.00	
E6F	851	93	0.01
	852	93	0.00
	853	93	0.01
	854	93	0.00
	855	93	0.01
	856	93	0.00

Table C-12. Individual Animal Absolute WBC Differential Count Data – Females

Group	Animal ID	Day	Basophils (10³/μL)
E6F	857	93	0.00
	858	93	0.00
	859	93	0.01
	860	93	0.00
	861	94	0.01
	862	94	0.01
	863	94	0.01
	864	94	0.02
	865	94	0.00
	866	94	0.00
	867	94	0.00
	868	94	0.00
	869	94	0.00
	870	94	0.01

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Alkaline Phosphatase (U/L)	Aspartate Aminotransferase (U/L)	Gamma Glutamyltransferase (U/L)	Total Bilirubin (mg/dL)
CM	101	92	57	69	0	0.09
	102	92	48	59	0	0.11
	103	92	104	68	0	0.12
	104	92	54	62	0	0.12
	105	92	73	86	0	0.08
	106	92	79	61	0	0.09
	107	92	65	50	0	0.11
	108	92	48	59	0	0.08
	109	92	67	56	0	0.10
	110	92	75	79	0	0.11
	111	93	45	59	0	0.11
	112	93	61	87	0	0.09
	113	93	71	69	0	0.07
	114	93	62	59	0	0.08
	115	93	89	61	0	0.08
	116	93	80	47	0	0.03
	117	93	83	74	0	0.06
	118	93	48	68	0	0.07
	119	93	64	61	0	0.11
	120	93	73	64	0	0.10
NT6M	201	92	86	87	0	0.13
	202	92	73	78	0	0.11
	203	92	47	81	0	0.08
	204	92	62	66	0	0.11
	205	92	70	76	0	0.13
	206	92	94	65	0	0.13
	207	92	64	62	0	0.11
	208	92	69	57	0	0.11

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Alkaline Phosphatase (U/L)	Aspartate Aminotransferase (U/L)	Gamma Glutamyltransferase (U/L)	Total Bilirubin (mg/dL)
NT6M	209	92	80	65	0	0.10
	210	92	109	78	0	0.10
	211	93	49	98	0	0.06
	212	93	84	103	0	0.09
	213	93	63	66	0	0.12
	214	93	60	72	0	0.06
	215	93	66	69	0	0.03
	216	93	83	54	0	0.08
	217	93	100	71	0	0.09
	218	93	67	59	0	0.07
	219	93	68	69	0	0.11
	220	93	123	54	0	0.08
B0.3M	301	92	79	69	0	0.10
	302	92	54	55	0	0.09
	303	92	65	68	0	0.15
	304	92	67	56	0	0.07
	305	92	75	63	0	0.07
	306	92	70	60	0	0.14
	307	92	69	55	0	0.12
	308	92	88	51	0	0.10
	309	92	78	54	0	0.10
	310	92	66	54	0	0.09
	311	93	63	58	0	0.07
	312	93	50	50	0	0.07
	313	93	65	80	0	0.13
	314	93	71	72	0	0.10
	315	93	51	55	0	0.06
	316	93	68	61	0	0.11

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Alkaline Phosphatase (U/L)	Aspartate Aminotransferase (U/L)	Gamma Glutamyltransferase (U/L)	Total Bilirubin (mg/dL)
B0.3M	317	93	104	71	0	0.10
	318	93	91	63	0	0.07
	319	93	79	67	0	0.13
	320	93	90	51	0	0.06
B3M	401	92	71	72	0	0.10
	402	92	75	75	0	0.11
	403	92	89	82	0	0.10
	404	92	66	65	0	0.10
	405	92	64	67	0	0.09
	406	92	89	68	0	0.11
	407	92	87	69	0	0.10
	408	92	58	58	0	0.10
	409	92	69	64	0	0.13
	410	92	61	61	0	0.11
	411	93	54	65	0	0.12
	412	93	64	74	0	0.07
	413	93	59	82	0	0.07
	414	93	55	68	0	0.06
	415	93	72	76	0	0.09
	416	93	90	60	0	0.09
	417	93	86	67	0	0.09
418	93	54	63	0	0.10	
419	93	78	61	0	0.07	
420	93	82	60	0	0.08	
B6M	501	92	74	66	0	0.08
	502	92	59	71	0	0.08
	503	92	66	69	0	0.07
	504	92	73	65	0	0.09

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Alkaline Phosphatase (U/L)	Aspartate Aminotransferase (U/L)	Gamma Glutamyltransferase (U/L)	Total Bilirubin (mg/dL)	
B6M	505	92	47	61	0	0.10	
	506	92	84	54	0	0.10	
	507	92	90	72	0	0.10	
	508	92	69	85	0	0.11	
	509	92	65	62	0	0.11	
	510	92	68	63	0	0.07	
	511	93	65	62	0	0.09	
	512	93	60	60	0	0.12	
	513	93	73	63	0	0.08	
	514	93	68	70	0	0.09	
	515	93	53	51	0	0.08	
	516	93	61	68	0	0.11	
	517	93	79	60	0	0.09	
	518	93	65	60	0	0.05	
	519	93	69	56	0	0.09	
	520	93	87	72	0	0.05	
	E0.3M	601	92	78	79	0	0.08
		602	92	71	73	0	0.14
		603	92	65	73	0	0.06
		604	92	78	66	0	0.10
605		92	63	75	0	0.07	
606		92	101	61	0	0.07	
607		92	72	67	0	0.10	
608		92	67	61	0	0.07	
609		92	74	76	0	0.07	
610		92	81	70	0	0.13	
611		93	60	67	0	0.09	
612		93	52	60	0	0.08	

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Alkaline Phosphatase (U/L)	Aspartate Aminotransferase (U/L)	Gamma Glutamyltransferase (U/L)	Total Bilirubin (mg/dL)
E0.3M	613	93	71	83	0	0.07
	614	93	87	70	0	0.13
	615	93	55	55	0	0.04
	616	93	79	54	0	0.10
	617	93	53	68	0	0.07
	618	93	78	79	0	0.08
	619	93	58	46	0	0.07
	620	93	84	59	0	0.06
E3M	701	92	51	57	0	0.11
	702	92	64	71	0	0.10
	703	92	69	99	0	0.11
	704	92	60	72	0	0.08
	705	92	70	74	0	0.10
	706	92	53	53	0	0.12
	707	92	74	115	0	0.12
	708	92	76	83	0	0.11
	709	92	62	105	0	0.12
	710	92	73	59	0	0.11
	711	93	61	59	0	0.09
	712	93	85	65	0	0.10
	713	93	72	82	0	0.11
	714	93	48	50	0	0.09
	715	93	64	65	0	0.08
	716	93	107	56	0	0.10
	717	93	70	54	0	0.09
	718	93	98	60	0	0.04
	719	93	55	69	0	0.09
	720	93	80	61	0	0.10

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Alkaline Phosphatase (U/L)	Aspartate Aminotransferase (U/L)	Gamma Glutamyltransferase (U/L)	Total Bilirubin (mg/dL)
E6M	801	92	57	57	0	0.07
	802	92	58	65	0	0.10
	803	92	55	59	0	0.11
	804	92	64	77	0	0.07
	805	92	62	72	0	0.11
	806	92	78	67	0	0.05
	807	92	123	77	0	0.12
	808	92	69	59	0	0.11
	809	92	47	64	0	0.08
	810	92	55	67	0	0.10
	811	93	50	58	0	0.11
	812	93	66	111	0	0.08
	813	93	62	72	0	0.09
	814	93	76	64	0	0.08
	815	93	68	70	0	0.08
	816	93	114	99	0	0.08
	817	93	81	57	0	0.07
	818	93	65	51	0	0.09
	819	93	162	62	0	0.07
	820	93	64	68	0	0.08

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Direct Bilirubin (mg/dL)	Total Protein (g/dL)	Glucose (mg/dL)	Albumin (g/dL)
CM	101	92	0.02	6.7	73	4.3
	102	92	0.02	6.4	93	4.3
	103	92	0.03	6.4	89	4.3
	104	92	0.04	6.3	102	4.3
	105	92	0.02	6.7	92	4.6
	106	92	0.02	6.4	96	4.3
	107	92	0.03	6.2	94	4.1
	108	92	0.02	6.2	90	4.1
	109	92	0.02	6.3	78	4.0
	110	92	0.02	6.4	84	4.2
	111	93	0.04	6.0	83	4.1
	112	93	0.04	6.6	86	4.3
	113	93	0.04	6.9	75	4.5
	114	93	0.03	6.3	72	4.1
	115	93	0.04	6.4	78	4.4
	116	93	0.03	6.5	122	4.3
	117	93	0.02	6.4	120	4.1
	118	93	0.03	6.4	96	4.2
	119	93	0.04	6.0	86	4.0
	120	93	0.04	6.8	78	4.5
NT6M	201	92	0.03	6.1	95	4.2
	202	92	0.03	6.6	64	4.7
	203	92	0.02	6.1	80	4.2
	204	92	0.02	6.2	93	4.1
	205	92	0.03	6.5	81	4.2
	206	92	0.04	6.4	86	4.2
	207	92	0.03	6.3	82	4.3
	208	92	0.02	5.8	94	4.2
	209	92	0.03	6.1	87	4.4

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Direct Bilirubin (mg/dL)	Total Protein (g/dL)	Glucose (mg/dL)	Albumin (g/dL)
NT6M	210	92	0.03	6.7	82	4.5
	211	93	0.03	6.0	68	3.8
	212	93	0.05	6.5	79	4.4
	213	93	0.04	6.0	90	4.1
	214	93	0.03	6.0	71	4.1
	215	93	0.03	6.5	74	4.3
	216	93	0.06	6.3	91	4.3
	217	93	0.05	6.3	78	4.3
	218	93	0.03	6.0	79	4.2
	219	93	0.03	6.1	82	4.1
	220	93	0.03	6.1	121	4.0
B0.3M	301	92	0.02	6.5	109	4.3
	302	92	0.02	6.4	84	4.2
	303	92	0.03	6.2	78	4.4
	304	92	0.01	6.2	84	4.1
	305	92	0.01	6.3	81	4.0
	306	92	0.03	6.7	90	4.4
	307	92	0.02	6.3	99	4.2
	308	92	0.03	6.1	102	4.0
	309	92	0.02	6.2	110	4.2
	310	92	0.03	6.9	84	4.7
	311	93	0.05	6.2	81	4.1
	312	93	0.04	6.1	78	4.0
	313	93	0.05	6.2	72	4.5
	314	93	0.05	6.4	77	4.4
	315	93	0.03	6.7	75	4.1
	316	93	0.04	6.6	106	4.1
	317	93	0.04	6.6	114	4.3
	318	93	0.03	6.2	102	4.2

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Direct Bilirubin (mg/dL)	Total Protein (g/dL)	Glucose (mg/dL)	Albumin (g/dL)
B0.3M	319	93	0.05	6.8	77	4.5
	320	93	0.03	6.7	99	4.2
B3M	401	92	0.02	6.5	79	4.5
	402	92	0.03	6.1	89	4.2
	403	92	0.02	6.4	82	4.4
	404	92	0.02	6.8	79	4.2
	405	92	0.01	6.5	86	4.4
	406	92	0.03	6.3	85	4.1
	407	92	0.03	6.4	99	4.3
	408	92	0.01	6.1	108	4.0
	409	92	0.04	6.8	97	4.5
	410	92	0.02	5.9	96	4.1
	411	93	0.05	6.7	82	4.3
	412	93	0.04	6.4	87	4.2
	413	93	0.04	5.9	86	4.0
	414	93	0.03	6.2	77	4.2
	415	93	0.03	6.0	62	4.0
	416	93	0.04	6.3	101	4.3
	417	93	0.03	5.9	98	4.0
	418	93	0.04	6.1	90	3.9
	419	93	0.03	6.5	101	4.3
420	93	0.04	6.4	125	4.3	
B6M	501	92	0.03	6.5	70	4.3
	502	92	0.02	6.5	81	4.4
	503	92	0.03	6.0	66	4.2
	504	92	0.04	6.6	66	4.8
	505	92	0.03	5.8	83	4.2
	506	92	0.01	6.0	92	4.0
	507	92	0.03	5.9	90	4.3

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Direct Bilirubin (mg/dL)	Total Protein (g/dL)	Glucose (mg/dL)	Albumin (g/dL)
B6M	508	92	0.02	6.1	84	4.2
	509	92	0.03	6.2	81	4.3
	510	92	0.02	6.3	90	4.4
	511	93	0.04	5.8	83	4.0
	512	93	0.03	5.9	82	3.9
	513	93	0.03	6.2	71	3.8
	514	93	0.05	6.5	67	4.3
	515	93	0.03	6.0	88	4.0
	516	93	0.04	6.0	104	4.3
	517	93	0.04	6.4	80	4.2
	518	93	0.04	6.1	128	4.1
	519	93	0.04	6.2	80	4.2
	520	93	0.03	6.4	130	4.0
E0.3M	601	92	0.04	6.5	86	4.6
	602	92	0.04	6.0	82	4.1
	603	92	0.03	6.9	66	4.6
	604	92	0.01	6.7	88	4.4
	605	92	0.04	6.8	83	4.7
	606	92	0.02	6.8	101	4.4
	607	92	0.03	6.2	89	4.3
	608	92	0.02	6.2	94	4.2
	609	92	0.02	6.7	80	4.5
	610	92	0.02	6.2	100	4.2
	611	93	0.04	6.4	91	4.1
	612	93	0.04	6.4	112	4.1
	613	93	0.03	6.3	81	4.1
	614	93	0.05	6.7	66	4.5
	615	93	0.03	6.4	73	4.1
	616	93	0.05	6.8	107	4.5

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Direct Bilirubin (mg/dL)	Total Protein (g/dL)	Glucose (mg/dL)	Albumin (g/dL)
E0.3M	617	93	0.03	6.3	102	4.0
	618	93	0.04	6.1	89	4.2
	619	93	0.03	6.3	92	4.0
	620	93	0.03	6.5	106	4.2
E3M	701	92	0.02	6.0	91	4.1
	702	92	0.03	6.7	74	4.5
	703	92	0.03	6.1	80	4.3
	704	92	0.02	6.5	73	4.7
	705	92	0.02	5.9	75	4.1
	706	92	0.02	6.3	85	4.2
	707	92	0.03	6.5	95	4.5
	708	92	0.03	6.2	85	4.1
	709	92	0.02	6.2	86	4.1
	710	92	0.03	6.5	76	4.3
	711	93	0.04	6.6	83	4.3
	712	93	0.05	6.7	82	4.2
	713	93	0.04	6.1	91	4.1
	714	93	0.05	6.2	71	4.2
	715	93	0.03	6.3	84	4.1
	716	93	0.04	6.6	117	4.3
	717	93	0.04	6.2	87	4.2
	718	93	0.03	6.0	136	3.9
	719	93	0.04	6.3	103	4.0
	720	93	0.05	6.4	81	4.2
E6M	801	92	0.02	6.1	75	4.1
	802	92	0.03	6.4	79	4.5
	803	92	0.03	5.8	101	4.3
	804	92	0.03	6.6	75	4.4
	805	92	0.04	6.1	85	4.4

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Direct Bilirubin (mg/dL)	Total Protein (g/dL)	Glucose (mg/dL)	Albumin (g/dL)
E6M	806	92	0.02	5.9	83	4.0
	807	92	0.04	6.2	86	4.2
	808	92	0.02	6.0	76	4.1
	809	92	0.02	6.1	79	4.2
	810	92	0.02	6.2	80	4.2
	811	93	0.03	6.1	74	4.0
	812	93	0.08	5.8	84	4.2
	813	93	0.04	6.5	92	4.3
	814	93	0.04	6.1	67	4.0
	815	93	0.05	6.1	69	4.1
	816	93	0.05	6.5	109	4.1
	817	93	0.04	6.1	98	4.0
	818	93	0.05	6.1	82	4.2
	819	93	0.02	6.1	97	3.9
	820	93	0.03	5.9	86	4.0

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
CM	101	92	2.4	1.79	11	0.7
	102	92	2.1	2.05	16	0.7
	103	92	2.1	2.05	16	0.7
	104	92	2.0	2.15	17	0.7
	105	92	2.1	2.19	14	0.8
	106	92	2.1	2.05	16	0.8
	107	92	2.1	1.95	13	0.7
	108	92	2.1	1.95	17	0.7
	109	92	2.3	1.74	13	0.7
	110	92	2.2	1.91	14	0.7
	111	93	1.9	2.16	17	0.6
	112	93	2.3	1.87	14	0.7
	113	93	2.4	1.88	10	0.6
	114	93	2.2	1.86	16	0.7
	115	93	2.0	2.20	18	0.7
	116	93	2.2	1.95	13	0.7
	117	93	2.3	1.78	13	0.7
	118	93	2.2	1.91	13	0.7
	119	93	2.0	2.00	15	0.7
	120	93	2.3	1.96	13	0.7
NT6M	201	92	1.9	2.21	14	0.6
	202	92	1.9	2.47	17	0.7
	203	92	1.9	2.21	18	0.6
	204	92	2.1	1.95	18	0.7
	205	92	2.3	1.83	14	0.6
	206	92	2.2	1.91	22	0.8
	207	92	2.0	2.15	16	0.7
	208	92	1.6	2.63	23	0.7
	209	92	1.7	2.59	19	0.7

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
NT6M	210	92	2.2	2.05	21	0.7
	211	93	2.2	1.73	18	0.6
	212	93	2.1	2.10	19	0.7
	213	93	1.9	2.16	21	0.6
	214	93	1.9	2.16	23	0.7
	215	93	2.2	1.95	14	0.8
	216	93	2.0	2.15	20	0.8
	217	93	2.0	2.15	17	0.7
	218	93	1.8	2.33	19	0.8
	219	93	2.0	2.05	15	0.7
	220	93	2.1	1.90	21	0.7
B0.3M	301	92	2.2	1.95	14	0.7
	302	92	2.2	1.91	15	0.7
	303	92	1.8	2.44	13	0.7
	304	92	2.1	1.95	16	0.7
	305	92	2.3	1.74	22	0.7
	306	92	2.3	1.91	15	0.8
	307	92	2.1	2.00	20	0.8
	308	92	2.1	1.90	14	0.7
	309	92	2.0	2.10	13	0.7
	310	92	2.2	2.14	13	0.8
	311	93	2.1	1.95	14	0.7
	312	93	2.1	1.90	16	0.7
	313	93	1.7	2.65	13	0.7
	314	93	2.0	2.20	12	0.7
	315	93	2.6	1.58	11	0.7
	316	93	2.5	1.64	11	0.7
	317	93	2.3	1.87	17	0.7
	318	93	2.0	2.10	16	0.7

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
B0.3M	319	93	2.3	1.96	20	0.8
	320	93	2.5	1.68	14	0.7
B3M	401	92	2.0	2.25	16	0.7
	402	92	1.9	2.21	16	0.7
	403	92	2.0	2.20	18	0.7
	404	92	2.6	1.62	18	0.7
	405	92	2.1	2.10	19	0.7
	406	92	2.2	1.86	19	0.8
	407	92	2.1	2.05	12	0.7
	408	92	2.1	1.90	15	0.7
	409	92	2.3	1.96	18	0.7
	410	92	1.8	2.28	17	0.7
	411	93	2.4	1.79	18	0.7
	412	93	2.2	1.91	15	0.6
	413	93	1.9	2.11	14	0.6
	414	93	2.0	2.10	17	0.7
	415	93	2.0	2.00	14	0.7
	416	93	2.0	2.15	16	0.7
	417	93	1.9	2.11	17	0.7
	418	93	2.2	1.77	14	0.7
419	93	2.2	1.95	15	0.7	
420	93	2.1	2.05	14	0.7	
B6M	501	92	2.2	1.95	16	0.7
	502	92	2.1	2.10	17	0.7
	503	92	1.8	2.33	16	0.6
	504	92	1.8	2.67	19	0.7
	505	92	1.6	2.63	16	0.7
	506	92	2.0	2.00	14	0.7
	507	92	1.6	2.69	16	0.7

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
B6M	508	92	1.9	2.21	12	0.7
	509	92	1.9	2.26	15	0.7
	510	92	1.9	2.32	16	0.7
	511	93	1.8	2.22	16	0.7
	512	93	2.0	1.95	19	0.6
	513	93	2.4	1.58	21	0.7
	514	93	2.2	1.95	18	0.6
	515	93	2.0	2.00	15	0.6
	516	93	1.7	2.53	20	0.7
	517	93	2.2	1.91	20	0.8
	518	93	2.0	2.05	20	0.7
	519	93	2.0	2.10	17	0.7
	520	93	2.4	1.67	14	0.7
E0.3M	601	92	1.9	2.42	14	0.7
	602	92	1.9	2.16	17	0.7
	603	92	2.3	2.00	14	0.8
	604	92	2.3	1.91	15	0.7
	605	92	2.1	2.24	15	0.7
	606	92	2.4	1.83	14	0.7
	607	92	1.9	2.26	19	0.7
	608	92	2.0	2.10	13	0.7
	609	92	2.2	2.05	13	0.7
	610	92	2.0	2.10	14	0.7
	611	93	2.3	1.78	19	0.7
	612	93	2.3	1.78	18	0.6
	613	93	2.2	1.86	16	0.8
	614	93	2.2	2.05	12	0.7
	615	93	2.3	1.78	13	0.7
	616	93	2.3	1.96	13	0.7

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
E0.3M	617	93	2.3	1.74	16	0.8
	618	93	1.9	2.21	14	0.7
	619	93	2.3	1.74	11	0.7
	620	93	2.3	1.83	12	0.7
E3M	701	92	1.9	2.16	15	0.6
	702	92	2.2	2.05	13	0.7
	703	92	1.8	2.39	16	0.7
	704	92	1.8	2.61	18	0.7
	705	92	1.8	2.28	16	0.6
	706	92	2.1	2.00	14	0.7
	707	92	2.0	2.25	15	0.7
	708	92	2.1	1.95	14	0.7
	709	92	2.1	1.95	17	0.7
	710	92	2.2	1.95	17	0.8
	711	93	2.3	1.87	14	0.7
	712	93	2.5	1.68	14	0.7
	713	93	2.0	2.05	17	0.7
	714	93	2.0	2.10	15	0.6
	715	93	2.2	1.86	19	0.7
	716	93	2.3	1.87	15	0.7
	717	93	2.0	2.10	13	0.7
	718	93	2.1	1.86	13	0.7
	719	93	2.3	1.74	14	0.7
	720	93	2.2	1.91	18	0.7
E6M	801	92	2.0	2.05	19	0.7
	802	92	1.9	2.37	15	0.7
	803	92	1.5	2.87	16	0.7
	804	92	2.2	2.00	16	0.7
	805	92	1.7	2.59	17	0.6

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
E6M	806	92	1.9	2.11	14	0.7
	807	92	2.0	2.10	24	0.8
	808	92	1.9	2.16	16	0.7
	809	92	1.9	2.21	14	0.7
	810	92	2.0	2.10	14	0.7
	811	93	2.1	1.90	17	0.7
	812	93	1.6	2.63	17	0.6
	813	93	2.2	1.95	18	0.7
	814	93	2.1	1.90	20	0.7
	815	93	2.0	2.05	17	0.7
	816	93	2.4	1.71	19	0.7
	817	93	2.1	1.90	19	0.7
	818	93	1.9	2.21	19	0.7
	819	93	2.2	1.77	16	0.7
	820	93	1.9	2.11	14	0.6

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
CM	101	92	95	85	11.2	7.2
	102	92	32	60	11.1	7.2
	103	92	71	68	11.8	7.6
	104	92	33	67	11.4	9.1
	105	92	37	86	11.2	6.9
	106	92	33	58	11.3	7.3
	107	92	140	100	11.5	5.8
	108	92	88	66	11.2	6.5
	109	92	79	68	11.2	6.2
	110	92	38	72	11.2	6.7
	111	93	50	93	11.2	7.8
	112	93	41	77	10.8	7.7
	113	93	73	106	11.4	8.0
	114	93	55	80	11.1	9.2
	115	93	24	86	11.2	9.2
	116	93	49	89	11.3	7.5
	117	93	50	75	10.7	6.2
	118	93	98	82	10.7	4.8
	119	93	44	85	10.9	9.1
	120	93	66	86	10.9	5.3
NT6M	201	92	24	59	11.2	8.8
	202	92	37	73	12.0	9.9
	203	92	47	66	11.7	9.9
	204	92	29	81	12.1	10.7
	205	92	42	91	12.2	10.6
	206	92	60	82	11.8	9.0
	207	92	37	87	11.6	6.7
	208	92	19	78	11.6	10.3
	209	92	30	73	11.5	8.8

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
NT6M	210	92	70	83	12.1	9.2
	211	93	94	91	11.5	8.5
	212	93	19	55	11.0	8.7
	213	93	23	72	11.4	11.2
	214	93	29	64	11.0	9.8
	215	93	27	93	11.0	7.8
	216	93	42	81	11.0	8.3
	217	93	50	76	11.0	6.5
	218	93	24	89	11.0	10.0
	219	93	24	77	11.4	8.4
	220	93	87	83	11.4	7.1
B0.3M	301	92	32	70	11.4	8.4
	302	92	35	82	11.6	8.1
	303	92	24	64	11.8	8.0
	304	92	57	94	11.7	9.7
	305	92	59	83	11.8	9.9
	306	92	53	88	11.4	6.7
	307	92	80	63	11.3	5.9
	308	92	35	91	11.6	7.5
	309	92	108	81	11.3	6.7
	310	92	41	67	11.4	6.9
	311	93	35	68	11.2	7.8
	312	93	52	62	11.0	9.1
	313	93	48	69	11.7	8.2
	314	93	54	77	11.4	8.7
	315	93	63	97	11.6	9.6
	316	93	43	102	11.4	6.6
	317	93	76	100	11.3	6.2
	318	93	86	42	10.4	6.5

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
B0.3M	319	93	48	75	10.9	6.6
	320	93	79	96	10.6	5.0
B3M	401	92	55	70	11.6	9.6
	402	92	46	71	11.7	9.8
	403	92	23	90	11.1	9.2
	404	92	75	66	12.1	10.1
	405	92	30	72	12.1	9.6
	406	92	53	54	11.0	6.4
	407	92	43	74	11.1	6.8
	408	92	62	100	11.6	6.8
	409	92	55	91	11.9	8.6
	410	92	35	62	11.4	7.8
	411	93	62	86	11.8	9.8
	412	93	45	84	11.4	9.4
	413	93	27	105	10.9	8.8
	414	93	41	95	11.5	11.1
	415	93	27	65	11.0	8.3
	416	93	69	77	11.1	6.8
	417	93	23	67	10.9	8.7
	418	93	18	89	10.9	7.7
419	93	27	67	10.9	7.6	
420	93	21	99	10.8	6.3	
B6M	501	92	42	71	11.7	9.7
	502	92	31	68	11.2	7.2
	503	92	30	66	11.7	11.1
	504	92	33	90	12.2	9.5
	505	92	32	72	11.9	10.0
	506	92	44	96	11.8	7.6
	507	92	18	75	11.3	8.0

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
B6M	508	92	19	80	11.4	8.1
	509	92	55	79	11.1	7.9
	510	92	53	75	11.3	7.2
	511	93	29	68	11.5	11.3
	512	93	24	58	11.7	12.7
	513	93	40	76	11.4	13.0
	514	93	55	93	11.6	11.7
	515	93	44	86	11.7	11.5
	516	93	27	68	11.0	6.4
	517	93	81	70	10.7	5.9
	518	93	39	84	11.4	7.7
	519	93	36	85	10.8	7.1
	520	93	43	81	11.3	8.6
E0.3M	601	92	28	79	11.2	7.1
	602	92	26	68	11.1	8.1
	603	92	44	54	11.7	7.5
	604	92	28	49	11.9	8.9
	605	92	44	77	11.2	6.8
	606	92	71	71	11.7	7.7
	607	92	27	78	11.3	9.5
	608	92	56	64	11.5	7.6
	609	92	40	72	11.6	7.9
	610	92	61	112	10.8	5.3
	611	93	41	89	11.6	9.4
	612	93	39	89	11.7	8.7
	613	93	53	79	11.0	9.7
	614	93	45	74	11.0	7.7
	615	93	74	105	11.3	7.9
	616	93	95	95	11.3	7.2

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
E0.3M	617	93	42	63	10.5	6.6
	618	93	36	75	10.8	6.7
	619	93	58	82	11.1	8.6
	620	93	70	90	11.3	7.5
E3M	701	92	21	71	11.7	9.5
	702	92	24	80	11.2	8.4
	703	92	34	54	11.7	9.4
	704	92	34	62	11.7	8.3
	705	92	41	83	11.9	9.4
	706	92	45	66	11.4	6.6
	707	92	49	86	11.8	7.6
	708	92	44	60	11.0	8.3
	709	92	55	104	11.5	8.6
	710	92	32	78	11.4	11.5
	711	93	30	96	11.4	9.5
	712	93	54	86	12.1	10.7
	713	93	17	58	10.4	9.4
	714	93	54	80	11.4	9.4
	715	93	31	83	10.9	7.8
	716	93	175	102	11.5	7.0
717	93	23	89	11.0	6.9	
718	93	21	76	11.2	8.1	
719	93	87	87	11.5	8.3	
720	93	41	64	11.0	7.6	
E6M	801	92	26	72	11.7	9.7
	802	92	34	90	11.6	9.1
	803	92	30	64	11.7	12.7
	804	92	43	85	12.1	9.4
	805	92	26	78	11.7	9.3

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
E6M	806	92	28	63	11.0	7.8
	807	92	27	67	11.8	9.9
	808	92	33	86	11.5	7.8
	809	92	27	69	11.4	7.8
	810	92	95	68	11.5	7.6
	811	93	23	98	11.0	9.4
	812	93	32	76	11.5	10.4
	813	93	37	86	11.4	9.7
	814	93	39	69	11.3	8.8
	815	93	60	94	11.6	9.7
	816	93	111	87	11.4	5.6
	817	93	67	95	11.1	6.0
	818	93	31	60	11.0	9.0
	819	93	32	75	10.8	6.3
	820	93	51	87	10.8	7.3

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
CM	101	92	145	5.6	100
	102	92	143	5.2	98
	103	92	145	5.6	100
	104	92	143	5.6	99
	105	92	143	5.6	99
	106	92	146	5.9	101
	107	92	145	6.1	100
	108	92	144	6.0	100
	109	92	145	6.5	99
	110	92	146	5.5	100
	111	93	146	5.6	100
	112	93	147	5.4	101
	113	93	148	5.6	99
	114	93	147	5.5	99
	115	93	145	5.9	96
	116	93	146	5.9	101
	117	93	147	5.1	103
	118	93	144	5.3	101
	119	93	146	6.2	101
	120	93	147	5.6	100
NT6M	201	92	144	5.5	102
	202	92	148	6.0	101
	203	92	148	5.6	100
	204	92	146	6.1	100
	205	92	147	5.5	97
	206	92	146	6.4	100
	207	92	147	6.2	101
	208	92	146	6.2	101
	209	92	147	6.0	102

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
NT6M	210	92	147	6.6	100
	211	93	146	6.0	100
	212	93	146	5.9	99
	213	93	146	5.6	100
	214	93	147	6.3	100
	215	93	148	5.6	98
	216	93	146	6.3	99
	217	93	145	6.5	101
	218	93	147	6.1	101
	219	93	149	6.0	101
	220	93	145	5.8	99
B0.3M	301	92	144	5.6	102
	302	92	147	5.8	103
	303	92	147	5.8	101
	304	92	144	6.4	98
	305	92	147	6.3	100
	306	92	146	6.6	99
	307	92	146	5.8	101
	308	92	147	6.0	102
	309	92	145	5.8	102
	310	92	148	6.0	100
	311	93	147	5.4	100
	312	93	146	5.6	99
	313	93	146	6.2	101
	314	93	147	6.4	99
	315	93	147	5.8	98
	316	93	146	6.3	100
	317	93	148	6.0	101
	318	93	147	5.3	102

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
B0.3M	319	93	146	6.1	99
	320	93	145	5.5	101
B3M	401	92	144	6.3	100
	402	92	146	5.1	100
	403	92	145	5.4	98
	404	92	146	6.5	99
	405	92	147	5.7	101
	406	92	145	6.2	101
	407	92	145	5.3	100
	408	92	146	5.9	99
	409	92	146	5.3	99
	410	92	146	6.0	100
	411	93	148	5.6	98
	412	93	148	5.9	100
	413	93	146	5.6	100
	414	93	147	5.2	99
	415	93	148	6.0	99
	416	93	146	5.9	100
	417	93	147	5.8	103
	418	93	149	5.9	102
	419	93	148	6.0	102
	420	93	146	5.3	105
B6M	501	92	147	5.7	102
	502	92	145	5.2	99
	503	92	145	5.9	101
	504	92	147	6.5	102
	505	92	149	4.6	101
	506	92	146	5.8	101
	507	92	147	5.6	101

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
B6M	508	92	146	6.3	102
	509	92	145	5.3	100
	510	92	146	5.8	99
	511	93	146	6.3	101
	512	93	147	5.2	99
	513	93	147	6.6	100
	514	93	146	5.8	98
	515	93	148	5.7	98
	516	93	147	5.0	102
	517	93	146	5.7	100
	518	93	146	5.6	103
	519	93	146	6.1	101
	520	93	147	5.3	100
E0.3M	601	92	146	5.0	102
	602	92	146	5.7	101
	603	92	145	5.5	99
	604	92	145	5.5	99
	605	92	146	5.4	97
	606	92	145	6.3	102
	607	92	147	5.1	101
	608	92	145	5.9	99
	609	92	146	6.3	101
	610	92	144	5.1	100
	611	93	147	6.3	100
	612	93	145	5.4	100
	613	93	145	5.3	98
	614	93	148	5.3	99
	615	93	148	6.3	101
	616	93	147	5.8	100

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
E0.3M	617	93	144	5.7	99
	618	93	147	5.7	102
	619	93	147	5.8	101
	620	93	145	5.8	100
E3M	701	92	148	5.5	102
	702	92	145	6.0	99
	703	92	146	5.7	100
	704	92	148	6.1	101
	705	92	146	5.8	99
	706	92	147	6.1	103
	707	92	145	6.1	99
	708	92	145	5.5	101
	709	92	146	6.2	100
	710	92	148	6.2	101
	711	93	148	6.0	102
	712	93	147	6.7	100
	713	93	144	5.2	100
	714	93	148	5.9	101
	715	93	146	5.6	98
	716	93	146	5.9	100
	717	93	148	5.8	102
	718	93	146	4.9	102
	719	93	146	6.5	100
	720	93	147	5.9	100
E6M	801	92	147	6.0	103
	802	92	147	6.2	100
	803	92	147	5.3	103
	804	92	147	6.6	100
	805	92	148	5.2	99

Table C-13. Individual Animal Serum Chemistry Data – Males

Group	Animal ID	Day	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
E6M	806	92	145	5.9	101
	807	92	147	6.1	100
	808	92	147	6.0	100
	809	92	146	6.0	101
	810	92	148	5.9	100
	811	93	146	5.5	100
	812	93	147	6.0	100
	813	93	146	5.8	100
	814	93	147	6.3	101
	815	93	147	6.4	98
	816	93	144	6.2	99
	817	93	145	5.6	100
	818	93	146	6.9	99
	819	93	145	6.0	102
	820	93	147	5.5	100

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Alkaline Phosphatase (U/L)	Aspartate Aminotransferase (U/L)	Gamma Glutamyltransferase (U/L)	Total Bilirubin (mg/dL)
CF	151	93	28	62	0	0.09
	152	93	27	68	0	0.14
	153	93	36	62	0	0.12
	154	93	23	64	0	0.18
	155	93	35	73	0	0.10
	156	93	56	88	0	0.07
	157	93	34	61	0	0.11
	158	93	33	71	0	0.11
	159	93	30	78	0	0.10
	160	93	19	68	0	0.10
	161	94	41	81	0	0.13
	162	94	20	64	0	0.10
	163	94	32	64	0	0.13
	164	94	18	57	0	0.08
	165	94	32	65	0	0.12
	166	94	45	133	0	0.06
	167	94	27	133	0	0.13
	168	94	34	71	0	0.08
	169	94	25	55	0	0.07
	170	94	22	149	0	0.08
NT6F	251	93	32	64	0	0.10
	252	93	22	70	0	0.12
	253	93	41	110	0	0.12
	254	93	37	67	0	0.10
	255	93	28	73	0	0.09
	256	93	32	70	0	0.09
	257	93	51	68	0	0.08
	258	93	70	75	0	0.11

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Alkaline Phosphatase (U/L)	Aspartate Aminotransferase (U/L)	Gamma Glutamyltransferase (U/L)	Total Bilirubin (mg/dL)
NT6F	259	93	73	111	0	0.13
	260	93	44	70	0	0.09
	261	94	48	78	0	0.09
	262	94	36	86	0	0.09
	263	94	32	64	0	0.12
	264	94	42	59	0	0.09
	265	94	38	69	0	0.13
	266	94	38	70	0	0.10
	267	94	24	47	0	0.06
	268	94	38	68	0	0.14
	269	94	37	70	0	0.10
	270	94	42	79	0	0.07
B0.3F	351	93	41	83	0	0.16
	352	93	30	69	0	0.14
	353	93	18	96	0	0.11
	354	93	19	78	0	0.08
	355	93	33	79	0	0.12
	356	93	58	70	0	0.08
	357	93	29	82	0	0.10
	358	93	31	60	0	0.10
	359	93	29	63	0	0.12
	360	93	17	55	0	0.07
	361	94	20	74	0	0.07
	362	94	20	52	0	0.09
	363	94	29	66	0	0.11
	364	94	22	81	0	0.10
	365	94	35	68	0	0.12
	366	94	27	76	0	0.08

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Alkaline Phosphatase (U/L)	Aspartate Aminotransferase (U/L)	Gamma Glutamyltransferase (U/L)	Total Bilirubin (mg/dL)
B0.3F	367	94	28	109	0	0.11
	368	94	31	61	0	0.10
	369	94	48	52	0	0.11
	370	94	52	77	0	0.06
B3F	451	93	27	71	0	0.11
	452	93	16	60	0	0.10
	453	93	31	76	0	0.09
	454	93	32	71	0	0.10
	456	93	35	61	0	0.11
	457	93	31	72	0	0.10
	458	93	27	86	0	0.10
	459	93	24	53	0	0.11
	460	93	24	55	0	0.08
	461	94	22	68	0	0.13
	462	94	30	68	0	0.09
	463	94	19	61	0	0.13
	464	94	31	59	0	0.13
	465	94	20	66	0	0.13
	466	94	36	72	0	0.14
	467	94	28	64	0	0.14
	468	94	38	67	0	0.10
469	94	57	67	0	0.09	
470	94	38	76	0	0.14	
B6F	551	93	29	94	0	0.11
	552	93	62	68	0	0.10
	553	93	56	61	0	0.12
	554	93	21	64	0	0.11
	555	93	24	103	0	0.12

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Alkaline Phosphatase (U/L)	Aspartate Aminotransferase (U/L)	Gamma Glutamyltransferase (U/L)	Total Bilirubin (mg/dL)
B6F	556	93	25	71	0	0.14
	557	93	46	60	0	0.13
	558	93	30	65	0	0.12
	559	93	55	66	0	0.08
	560	93	51	69	0	0.16
	561	94	29	59	0	0.08
	562	94	50	81	0	0.11
	563	94	34	84	0	0.09
	564	94	29	66	0	0.08
	565	94	21	80	0	0.11
	566	94	31	69	0	0.11
	567	94	53	52	0	0.09
	568	94	35	66	0	0.12
	569	94	42	71	0	0.11
	570	94	64	66	0	0.06
E0.3F	651	93	24	66	0	0.12
	652	93	34	108	0	0.10
	653	93	39	103	0	0.11
	654	93	43	74	0	0.08
	655	93	30	64	0	0.10
	656	93	36	58	0	0.09
	657	93	30	54	0	0.11
	658	93	24	76	0	0.09
	659	93	29	59	0	0.09
	660	93	27	67	0	0.11
	661	94	15	57	0	0.07
	662	94	29	68	0	0.13
	663	94	22	56	0	0.14

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Alkaline Phosphatase (U/L)	Aspartate Aminotransferase (U/L)	Gamma Glutamyltransferase (U/L)	Total Bilirubin (mg/dL)
E0.3F	664	94	22	62	0	0.07
	665	94	26	66	0	0.08
	666	94	57	69	0	0.10
	667	94	25	50	0	0.10
	668	94	31	129	0	0.10
	669	94	45	73	0	0.12
	670	94	33	68	0	0.14
E3F	751	93	27	81	0	0.13
	752	93	22	70	0	0.12
	753	93	18	56	0	0.13
	754	93	35	60	0	0.09
	755	93	34	75	0	0.08
	756	93	59	73	0	0.12
	757	93	32	63	0	0.10
	758	93	48	62	0	0.10
	759	93	19	59	0	0.09
	760	93	30	123	0	0.08
	761	94	26	57	0	0.10
	762	94	23	105	0	0.10
	763	94	29	62	0	0.11
	764	94	26	78	0	0.12
	765	94	17	63	0	0.13
	766	94	53	71	0	0.10
	767	94	49	61	0	0.13
	768	94	51	67	0	0.11
	769	94	32	53	0	0.11
	770	94	52	63	0	0.10

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Alkaline Phosphatase (U/L)	Aspartate Aminotransferase (U/L)	Gamma Glutamyltransferase (U/L)	Total Bilirubin (mg/dL)
E6F	851	93	57	75	0	0.10
	852	93	42	65	0	0.10
	853	93	29	66	0	0.08
	854	93	47	94	0	0.09
	855	93	39	70	0	0.12
	856	93	32	66	0	0.07
	857	93	25	72	0	0.15
	858	93	33	61	0	0.12
	859	93	46	65	0	0.10
	860	93	47	96	0	0.12
	861	94	21	87	0	0.11
	862	94	17	73	0	0.08
	863	94	38	75	0	0.09
	864	94	32	76	0	0.09
	865	94	35	88	0	0.10
	866	94	37	102	0	0.09
	867	94	27	96	0	0.10
	868	94	40	70	0	0.12
	869	94	91	81	0	0.09
	870	94	77	90	0	0.15

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Direct Bilirubin (mg/dL)	Total Protein (g/dL)	Glucose (mg/dL)	Albumin (g/dL)
CF	151	93	0.03	7.8	65	5.4
	152	93	0.03	7.4	83	5.2
	153	93	0.04	7.4	85	5.5
	154	93	0.06	7.5	75	5.6
	155	93	0.04	6.7	86	4.7
	156	93	0.03	7.0	118	5.0
	157	93	0.05	7.4	78	5.5
	158	93	0.03	7.4	74	4.9
	159	93	0.03	7.0	72	4.9
	160	93	0.02	7.2	72	5.1
	161	94	0.05	7.2	80	5.1
	162	94	0.03	6.8	74	4.9
	163	94	0.04	7.4	85	5.3
	164	94	0.03	6.7	80	4.6
	165	94	0.04	7.1	89	5.2
	166	94	0.06	7.1	101	5.1
	167	94	0.06	7.3	100	5.2
	168	94	0.04	7.1	86	4.8
	169	94	0.03	6.7	74	4.5
	170	94	0.03	7.1	83	5.1
NT6F	251	93	0.03	6.4	78	4.5
	252	93	0.04	6.9	69	4.9
	253	93	0.05	6.9	63	4.9
	254	93	0.03	6.6	83	4.6
	255	93	0.04	6.6	82	4.9
	256	93	0.04	6.7	83	4.7
	257	93	0.04	6.3	78	4.4
	258	93	0.03	6.0	89	4.3
	259	93	0.06	6.6	93	4.5

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Direct Bilirubin (mg/dL)	Total Protein (g/dL)	Glucose (mg/dL)	Albumin (g/dL)
NT6F	260	93	0.03	6.3	69	4.5
	261	94	0.04	6.9	67	4.9
	262	94	0.03	6.6	87	4.5
	263	94	0.04	7.0	66	5.0
	264	94	0.03	6.0	69	4.2
	265	94	0.05	6.7	85	4.7
	266	94	0.05	7.0	90	4.6
	267	94	0.03	6.7	100	4.7
	268	94	0.04	6.5	80	4.7
	269	94	0.04	6.6	67	4.6
	270	94	0.04	6.3	75	4.5
B0.3F	351	93	0.05	6.7	85	4.9
	352	93	0.04	7.1	88	5.1
	353	93	0.04	6.9	63	5.1
	354	93	0.03	6.3	85	4.4
	355	93	0.03	6.5	81	4.8
	356	93	0.02	6.9	85	4.9
	357	93	0.03	6.6	87	4.7
	358	93	0.03	6.7	80	4.8
	359	93	0.02	6.9	94	5.1
	360	93	0.02	7.1	72	4.9
	361	94	0.04	6.9	67	4.8
	362	94	0.03	6.6	66	4.6
	363	94	0.04	7.0	91	4.9
	364	94	0.04	6.2	80	4.2
	365	94	0.06	6.9	71	4.9
	366	94	0.04	7.5	81	5.0
	367	94	0.06	6.9	101	5.0
	368	94	0.03	7.1	91	5.0

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Direct Bilirubin (mg/dL)	Total Protein (g/dL)	Glucose (mg/dL)	Albumin (g/dL)
B0.3F	369	94	0.06	7.3	69	5.2
	370	94	0.02	7.0	78	4.8
B3F	451	93	0.03	6.9	74	4.8
	452	93	0.02	7.2	90	5.2
	453	93	0.03	6.7	88	4.6
	454	93	0.02	6.4	72	4.4
	456	93	0.03	6.8	91	4.9
	457	93	0.03	6.6	80	4.5
	458	93	0.04	7.5	71	5.4
	459	93	0.04	7.0	80	5.1
	460	93	0.04	6.6	79	4.8
	461	94	0.06	8.1	58	5.7
	462	94	0.04	6.5	66	4.8
	463	94	0.06	6.7	81	4.9
	464	94	0.05	6.8	74	4.8
	465	94	0.04	7.4	73	5.4
	466	94	0.04	6.9	83	4.8
	467	94	0.05	6.7	78	5.1
	468	94	0.03	6.9	91	5.1
469	94	0.04	7.0	76	5.1	
470	94	0.04	7.1	90	5.0	
B6F	551	93	0.04	6.9	103	4.7
	552	93	0.04	6.6	82	4.7
	553	93	0.04	6.8	70	4.9
	554	93	0.04	6.6	80	4.5
	555	93	0.03	7.2	83	5.0
	556	93	0.05	7.0	79	5.1
	557	93	0.04	6.6	84	4.8
	558	93	0.04	6.3	74	4.5

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Direct Bilirubin (mg/dL)	Total Protein (g/dL)	Glucose (mg/dL)	Albumin (g/dL)
B6F	559	93	0.04	6.6	69	4.7
	560	93	0.04	6.7	69	4.7
	561	94	0.05	6.6	77	4.8
	562	94	0.03	6.7	57	4.7
	563	94	0.03	6.3	68	4.4
	564	94	0.03	7.0	70	4.9
	565	94	0.04	6.3	74	4.3
	566	94	0.04	6.3	86	4.4
	567	94	0.04	6.8	92	4.7
	568	94	0.05	6.4	71	4.7
	569	94	0.04	6.7	70	4.6
	570	94	0.03	6.7	85	4.6
E0.3F	651	93	0.04	7.1	68	4.9
	652	93	0.06	6.9	71	4.9
	653	93	0.04	6.8	81	4.6
	654	93	0.04	6.9	73	4.9
	655	93	0.03	6.1	85	4.5
	656	93	0.04	6.9	84	4.9
	657	93	0.03	7.1	79	5.0
	658	93	0.03	7.1	88	5.2
	659	93	0.03	7.6	65	5.5
	660	93	0.04	7.0	79	5.1
	661	94	0.03	7.1	68	4.9
	662	94	0.03	7.3	73	4.9
	663	94	0.04	7.2	73	5.1
	664	94	0.03	6.4	75	4.4
	665	94	0.04	7.3	76	4.8
	666	94	0.05	7.1	92	5.2
	667	94	0.04	6.9	88	4.8

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Direct Bilirubin (mg/dL)	Total Protein (g/dL)	Glucose (mg/dL)	Albumin (g/dL)
E0.3F	668	94	0.05	7.0	84	5.0
	669	94	0.04	6.6	78	4.5
	670	94	0.05	7.6	85	5.5
E3F	751	93	0.04	6.9	69	4.7
	752	93	0.05	7.1	73	4.9
	753	93	0.04	7.6	75	5.5
	754	93	0.04	7.1	67	5.1
	755	93	0.04	6.9	88	5.0
	756	93	0.04	6.6	85	4.7
	757	93	0.04	6.7	72	5.0
	758	93	0.04	7.5	79	5.2
	759	93	0.03	6.4	91	4.6
	760	93	0.03	7.3	65	5.1
	761	94	0.03	6.6	63	4.6
	762	94	0.05	6.1	71	4.3
	763	94	0.05	7.2	79	5.1
	764	94	0.04	7.0	81	4.6
	765	94	0.05	7.1	82	5.2
	766	94	0.06	7.3	98	5.4
	767	94	0.06	7.2	96	5.1
768	94	0.04	7.6	81	5.3	
769	94	0.04	7.3	90	5.1	
770	94	0.03	6.6	78	4.6	
E6F	851	93	0.03	6.7	98	4.5
	852	93	0.06	6.1	81	4.3
	853	93	0.04	6.9	66	4.8
	854	93	0.03	6.8	81	4.8
	855	93	0.06	7.1	70	4.9
	856	93	0.03	6.3	74	4.4

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Direct Bilirubin (mg/dL)	Total Protein (g/dL)	Glucose (mg/dL)	Albumin (g/dL)
E6F	857	93	0.05	6.8	70	4.7
	858	93	0.04	6.6	76	4.7
	859	93	0.05	6.3	78	4.5
	860	93	0.03	6.8	86	4.9
	861	94	0.02	6.4	75	4.4
	862	94	0.03	6.5	68	4.5
	863	94	0.04	7.1	65	4.9
	864	94	0.03	6.5	75	4.6
	865	94	0.04	6.3	82	4.3
	866	94	0.05	6.4	74	4.6
	867	94	0.05	6.7	71	4.6
	868	94	0.05	7.1	65	5.0
	869	94	0.03	6.7	80	4.5
	870	94	0.07	6.2	69	4.6

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
CF	151	93	2.4	2.25	19	0.9
	152	93	2.2	2.36	20	0.9
	153	93	1.9	2.89	18	0.8
	154	93	1.9	2.95	23	0.8
	155	93	2.0	2.35	18	0.8
	156	93	2.0	2.50	17	0.9
	157	93	1.9	2.89	21	0.9
	158	93	2.5	1.96	18	0.9
	159	93	2.1	2.33	21	0.8
	160	93	2.1	2.43	13	0.7
	161	94	2.1	2.43	17	0.8
	162	94	1.9	2.58	23	0.7
	163	94	2.1	2.52	18	0.8
	164	94	2.1	2.19	24	0.7
	165	94	1.9	2.74	17	0.8
	166	94	2.0	2.55	20	0.8
	167	94	2.1	2.48	21	0.8
168	94	2.3	2.09	17	0.8	
169	94	2.2	2.05	14	0.7	
170	94	2.0	2.55	14	0.8	
NT6F	251	93	1.9	2.37	27	0.9
	252	93	2.0	2.45	19	0.8
	253	93	2.0	2.45	32	0.8
	254	93	2.0	2.30	22	0.7
	255	93	1.7	2.88	22	0.7
	256	93	2.0	2.35	18	0.8
	257	93	1.9	2.32	21	0.7
	258	93	1.7	2.53	16	0.8
	259	93	2.1	2.14	17	0.8

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
NT6F	260	93	1.8	2.50	18	0.8
	261	94	2.0	2.45	25	0.9
	262	94	2.1	2.14	20	0.8
	263	94	2.0	2.50	19	0.7
	264	94	1.8	2.33	28	0.7
	265	94	2.0	2.35	20	0.7
	266	94	2.4	1.92	21	0.9
	267	94	2.0	2.35	19	0.7
	268	94	1.8	2.61	17	0.8
	269	94	2.0	2.30	19	0.8
	270	94	1.8	2.50	19	0.7
B0.3F	351	93	1.8	2.72	15	0.9
	352	93	2.0	2.55	19	0.8
	353	93	1.8	2.83	23	0.9
	354	93	1.9	2.32	18	0.6
	355	93	1.7	2.82	18	0.8
	356	93	2.0	2.45	20	0.9
	357	93	1.9	2.47	18	0.9
	358	93	1.9	2.53	15	0.8
	359	93	1.8	2.83	13	0.7
	360	93	2.2	2.23	12	0.7
	361	94	2.1	2.29	20	0.8
	362	94	2.0	2.30	22	0.7
	363	94	2.1	2.33	20	0.7
	364	94	2.0	2.10	20	0.7
	365	94	2.0	2.45	21	0.8
	366	94	2.5	2.00	17	0.8
	367	94	1.9	2.63	20	0.8
	368	94	2.1	2.38	14	0.7

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
B0.3F	369	94	2.1	2.48	18	0.9
	370	94	2.2	2.18	15	0.8
B3F	451	93	2.1	2.29	24	0.8
	452	93	2.0	2.60	20	0.8
	453	93	2.1	2.19	25	0.8
	454	93	2.0	2.20	19	0.7
	456	93	1.9	2.58	23	0.9
	457	93	2.1	2.14	21	0.8
	458	93	2.1	2.57	17	0.8
	459	93	1.9	2.68	21	0.8
	460	93	1.8	2.67	21	0.7
	461	94	2.4	2.38	23	0.8
	462	94	1.7	2.82	21	0.7
	463	94	1.8	2.72	17	0.6
	464	94	2.0	2.40	24	0.8
	465	94	2.0	2.70	18	0.8
	466	94	2.1	2.29	19	0.8
	467	94	1.6	3.19	19	0.8
	468	94	1.8	2.83	19	0.8
469	94	1.9	2.68	19	0.8	
470	94	2.1	2.38	20	0.9	
B6F	551	93	2.2	2.14	20	0.8
	552	93	1.9	2.47	22	0.8
	553	93	1.9	2.58	18	0.8
	554	93	2.1	2.14	19	0.7
	555	93	2.2	2.27	19	0.7
	556	93	1.9	2.68	18	0.9
	557	93	1.8	2.67	20	0.8
	558	93	1.8	2.50	21	0.8

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
B6F	559	93	1.9	2.47	21	0.8
	560	93	2.0	2.35	19	0.7
	561	94	1.8	2.67	21	0.7
	562	94	2.0	2.35	23	0.8
	563	94	1.9	2.32	21	0.7
	564	94	2.1	2.33	24	0.7
	565	94	2.0	2.15	20	0.7
	566	94	1.9	2.32	23	0.8
	567	94	2.1	2.24	21	0.8
	568	94	1.7	2.76	17	0.7
	569	94	2.1	2.19	24	0.8
	570	94	2.1	2.19	24	0.7
E0.3F	651	93	2.2	2.23	18	0.8
	652	93	2.0	2.45	21	0.8
	653	93	2.2	2.09	19	0.8
	654	93	2.0	2.45	18	0.7
	655	93	1.6	2.81	23	0.7
	656	93	2.0	2.45	17	0.8
	657	93	2.1	2.38	18	0.8
	658	93	1.9	2.74	18	0.8
	659	93	2.1	2.62	19	0.8
	660	93	1.9	2.68	17	0.8
	661	94	2.2	2.23	20	0.7
	662	94	2.4	2.04	26	0.8
	663	94	2.1	2.43	18	0.8
	664	94	2.0	2.20	18	0.7
	665	94	2.5	1.92	20	0.8
	666	94	1.9	2.74	20	0.8
	667	94	2.1	2.29	14	0.8

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
E0.3F	668	94	2.0	2.50	17	0.8
	669	94	2.1	2.14	18	0.8
	670	94	2.1	2.62	16	0.8
E3F	751	93	2.2	2.14	23	0.7
	752	93	2.2	2.23	20	0.7
	753	93	2.1	2.62	21	0.7
	754	93	2.0	2.55	18	0.7
	755	93	1.9	2.63	23	0.9
	756	93	1.9	2.47	19	0.8
	757	93	1.7	2.94	20	0.8
	758	93	2.3	2.26	19	0.8
	759	93	1.8	2.56	20	0.7
	760	93	2.2	2.32	14	0.8
	761	94	2.0	2.30	20	0.7
	762	94	1.8	2.39	20	0.7
	763	94	2.1	2.43	19	0.8
	764	94	2.4	1.92	17	0.7
	765	94	1.9	2.74	17	0.8
	766	94	1.9	2.84	19	0.8
	767	94	2.1	2.43	18	0.8
768	94	2.3	2.30	18	0.8	
769	94	2.2	2.32	24	0.8	
770	94	2.0	2.30	19	0.8	
E6F	851	93	2.2	2.05	23	0.8
	852	93	1.8	2.39	24	0.8
	853	93	2.1	2.29	17	0.7
	854	93	2.0	2.40	24	0.7
	855	93	2.2	2.23	23	0.7
	856	93	1.9	2.32	25	0.8

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
E6F	857	93	2.1	2.24	21	0.8
	858	93	1.9	2.47	19	0.8
	859	93	1.8	2.50	24	0.8
	860	93	1.9	2.58	18	0.8
	861	94	2.0	2.20	22	0.7
	862	94	2.0	2.25	17	0.7
	863	94	2.2	2.23	22	0.8
	864	94	1.9	2.42	21	0.7
	865	94	2.0	2.15	23	0.8
	866	94	1.8	2.56	25	0.7
	867	94	2.1	2.19	18	0.7
	868	94	2.1	2.38	21	0.9
	869	94	2.2	2.05	23	0.8
	870	94	1.6	2.88	22	0.8

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
CF	151	93	38	72	12.4	8.7
	152	93	29	71	11.2	5.9
	153	93	27	66	11.6	7.2
	154	93	34	64	11.7	7.1
	155	93	33	64	11.2	7.2
	156	93	53	70	11.6	4.6
	157	93	42	57	11.4	5.7
	158	93	46	80	11.5	5.3
	159	93	53	56	11.1	5.1
	160	93	26	62	11.2	6.2
	161	94	27	72	12.3	9.8
	162	94	44	47	12.0	7.7
	163	94	33	96	11.9	7.2
	164	94	35	51	11.4	8.4
	165	94	25	59	11.8	8.8
	166	94	26	91	11.1	6.9
	167	94	48	75	12.4	9.1
168	94	32	90	11.6	7.5	
169	94	40	74	11.4	6.9	
170	94	26	51	10.9	7.6	
NT6F	251	93	20	56	11.9	11.9
	252	93	39	84	11.7	9.2
	253	93	63	79	11.5	7.2
	254	93	25	96	11.3	9.0
	255	93	47	97	11.3	7.7
	256	93	39	77	11.7	5.1
	257	93	50	48	10.9	7.1
	258	93	41	57	10.8	6.5
	259	93	71	69	11.5	5.0

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
NT6F	260	93	18	35	11.1	9.1
	261	94	29	45	11.6	8.8
	262	94	36	89	11.4	8.9
	263	94	27	91	11.6	7.4
	264	94	22	34	11.2	10.2
	265	94	32	65	11.5	7.6
	266	94	36	73	11.4	8.3
	267	94	34	87	10.8	6.1
	268	94	29	72	11.4	8.2
	269	94	39	66	11.1	7.3
	270	94	34	81	11.3	8.9
B0.3F	351	93	31	61	11.5	8.9
	352	93	46	72	11.1	7.5
	353	93	32	82	11.7	9.1
	354	93	32	66	11.5	9.3
	355	93	46	70	11.5	7.3
	356	93	37	69	11.5	5.5
	357	93	34	54	10.7	4.9
	358	93	52	75	10.9	5.3
	359	93	58	67	11.1	6.3
	360	93	19	62	11.2	8.1
	361	94	21	50	11.7	9.4
	362	94	54	74	11.3	8.4
	363	94	29	75	11.1	9.1
	364	94	24	62	11.3	9.5
	365	94	29	63	11.5	8.8
	366	94	31	74	11.6	4.9
	367	94	31	65	11.3	6.6
	368	94	30	96	11.7	8.3

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
B0.3F	369	94	61	100	11.6	7.9
	370	94	29	41	10.5	7.1
B3F	451	93	28	42	11.8	10.1
	452	93	35	89	11.5	7.1
	453	93	20	72	11.1	8.8
	454	93	32	78	11.5	9.1
	456	93	21	79	10.9	6.9
	457	93	28	85	11.3	7.3
	458	93	55	65	11.2	5.7
	459	93	87	77	11.8	7.1
	460	93	35	75	11.7	10.0
	461	94	35	62	13.8	11.6
	462	94	38	70	11.7	7.8
	463	94	31	59	11.7	7.8
	464	94	35	73	11.4	8.7
	465	94	33	61	11.8	8.2
	466	94	62	71	11.6	7.3
	467	94	44	76	11.3	6.2
	468	94	25	73	10.7	7.5
469	94	33	84	11.5	6.3	
470	94	36	77	11.8	7.5	
B6F	551	93	25	87	11.6	9.1
	552	93	30	87	11.4	11.3
	553	93	44	78	11.4	7.5
	554	93	28	73	11.6	8.2
	555	93	27	126	12.2	9.9
	556	93	36	70	11.1	5.0
	557	93	24	75	10.8	5.2
	558	93	30	69	10.7	6.1

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
B6F	559	93	46	58	11.0	6.6
	560	93	33	74	11.4	8.3
	561	94	36	73	11.7	9.2
	562	94	35	81	11.6	10.9
	563	94	43	93	10.8	6.9
	564	94	30	64	11.8	9.5
	565	94	26	43	11.4	8.2
	566	94	47	76	11.3	7.4
	567	94	35	79	11.3	6.7
	568	94	53	93	11.3	7.1
	569	94	42	77	11.1	8.5
	570	94	33	65	11.5	9.4
	E0.3F	651	93	34	53	11.9
652		93	34	59	11.6	8.9
653		93	33	90	11.3	6.7
654		93	30	52	11.4	8.4
655		93	21	42	11.2	7.5
656		93	30	74	11.4	5.1
657		93	44	65	11.3	5.4
658		93	48	66	11.5	5.7
659		93	42	44	11.7	5.2
660		93	29	83	11.2	7.7
661		94	53	69	11.9	8.4
662		94	36	73	11.6	8.2
663		94	26	82	11.5	7.8
664		94	36	70	11.4	8.3
665		94	21	67	11.7	8.4
666		94	22	65	11.1	4.7
667		94	22	87	11.2	5.8

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
E0.3F	668	94	27	100	11.0	6.9
	669	94	42	106	10.9	6.2
	670	94	41	83	11.7	7.4
E3F	751	93	42	81	12.0	9.9
	752	93	35	82	12.0	9.8
	753	93	60	106	12.3	7.2
	754	93	43	66	11.7	8.9
	755	93	30	71	11.6	7.5
	756	93	28	85	10.7	4.9
	757	93	45	98	11.5	5.4
	758	93	41	66	11.6	6.0
	759	93	33	45	11.3	7.6
	760	93	28	58	11.8	7.0
	761	94	38	92	11.3	7.5
	762	94	44	74	11.7	8.8
	763	94	32	52	11.8	8.1
	764	94	28	98	11.4	9.2
	765	94	32	75	11.4	6.7
	766	94	29	71	11.3	5.7
	767	94	33	78	11.6	6.5
768	94	25	80	11.3	8.6	
769	94	20	76	11.1	8.0	
770	94	46	77	11.2	6.9	
E6F	851	93	41	76	11.5	9.4
	852	93	31	64	11.1	7.7
	853	93	42	76	11.8	7.0
	854	93	40	107	12.0	9.1
	855	93	36	71	11.9	9.3
	856	93	43	75	10.8	6.9

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
E6F	857	93	53	91	11.2	5.5
	858	93	59	68	10.8	6.0
	859	93	76	80	11.2	8.2
	860	93	46	86	11.1	7.5
	861	94	45	78	11.9	9.2
	862	94	32	83	11.5	8.1
	863	94	33	80	11.7	8.5
	864	94	28	63	11.8	7.9
	865	94	32	70	11.5	8.8
	866	94	49	70	11.4	7.1
	867	94	68	94	11.2	6.7
	868	94	43	64	11.5	6.6
	869	94	34	100	11.3	9.6
	870	94	47	95	10.9	7.8

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
CF	151	93	148	6.0	100
	152	93	146	5.0	100
	153	93	147	5.5	99
	154	93	142	5.4	94
	155	93	145	5.2	98
	156	93	146	5.4	102
	157	93	143	6.0	99
	158	93	146	5.2	98
	159	93	145	5.7	99
	160	93	145	5.0	101
	161	94	147	5.7	100
	162	94	145	5.0	100
	163	94	145	5.7	96
	164	94	147	4.6	102
	165	94	147	5.5	101
	166	94	143	4.7	100
	167	94	146	5.7	101
168	94	145	5.6	100	
169	94	145	5.6	99	
170	94	145	4.7	101	
NT6F	251	93	149	5.1	104
	252	93	148	5.9	102
	253	93	146	6.1	100
	254	93	147	5.8	99
	255	93	146	6.2	100
	256	93	148	5.5	102
	257	93	146	5.8	100
	258	93	147	5.7	104
	259	93	147	5.9	102

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
NT6F	260	93	147	5.0	103
	261	94	147	5.5	101
	262	94	147	5.3	99
	263	94	146	5.8	99
	264	94	146	5.6	101
	265	94	144	5.5	99
	266	94	145	5.8	98
	267	94	143	5.6	98
	268	94	148	5.1	100
	269	94	146	5.5	99
	270	94	144	5.7	99
B0.3F	351	93	145	4.9	97
	352	93	145	4.3	102
	353	93	144	4.6	100
	354	93	146	4.8	99
	355	93	147	5.6	99
	356	93	147	5.3	101
	357	93	147	5.4	102
	358	93	145	4.9	99
	359	93	145	5.6	99
	360	93	145	4.6	103
	361	94	145	6.0	98
	362	94	144	5.7	99
	363	94	147	4.7	99
	364	94	145	4.3	99
	365	94	145	5.6	98
	366	94	146	5.5	98
	367	94	146	6.3	102
	368	94	145	5.8	100

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
B0.3F	369	94	145	5.8	96
	370	94	143	5.0	99
B3F	451	93	147	5.8	101
	452	93	146	5.0	101
	453	93	145	4.6	100
	454	93	146	5.9	101
	456	93	147	5.6	101
	457	93	147	5.7	100
	458	93	148	5.2	104
	459	93	146	5.7	98
	460	93	142	5.2	98
	461	94	144	7.3	100
	462	94	146	5.7	100
	463	94	147	5.4	98
	464	94	143	5.7	95
	465	94	145	5.5	97
	466	94	145	6.1	101
	467	94	145	4.9	99
	468	94	148	4.2	104
469	94	145	5.6	98	
470	94	145	5.4	100	
B6F	551	93	146	4.9	102
	552	93	147	5.8	101
	553	93	145	5.3	98
	554	93	144	6.2	100
	555	93	147	5.9	98
	556	93	147	5.1	100
	557	93	146	5.7	101
	558	93	145	4.6	101

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
B6F	559	93	148	5.0	102
	560	93	145	6.1	102
	561	94	146	5.8	102
	562	94	149	5.7	98
	563	94	147	5.0	100
	564	94	145	6.3	100
	565	94	145	6.1	100
	566	94	144	5.6	98
	567	94	145	5.6	100
	568	94	147	5.3	102
	569	94	147	5.7	99
	570	94	146	4.7	100
E0.3F	651	93	146	5.8	101
	652	93	146	5.6	101
	653	93	144	5.2	96
	654	93	147	5.8	100
	655	93	146	5.3	100
	656	93	148	5.2	101
	657	93	145	5.6	99
	658	93	146	4.7	101
	659	93	145	5.7	99
	660	93	145	4.9	100
	661	94	144	5.8	100
	662	94	146	5.2	99
	663	94	144	5.7	100
	664	94	145	5.6	98
	665	94	143	5.9	96
	666	94	147	4.7	104
	667	94	145	5.1	100

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
E0.3F	668	94	144	5.3	99
	669	94	145	5.4	99
	670	94	145	5.1	99
E3F	751	93	146	5.4	99
	752	93	147	5.8	98
	753	93	144	5.2	96
	754	93	146	6.5	99
	755	93	146	5.0	98
	756	93	146	5.6	101
	757	93	146	5.6	100
	758	93	146	4.9	100
	759	93	145	4.9	101
	760	93	145	5.2	99
	761	94	146	6.2	100
	762	94	147	6.1	100
	763	94	145	6.0	99
	764	94	144	5.7	98
	765	94	145	5.0	97
	766	94	145	5.8	102
	767	94	145	5.1	100
768	94	146	5.2	98	
769	94	146	5.3	100	
770	94	143	5.3	95	
E6F	851	93	148	4.4	99
	852	93	147	5.4	97
	853	93	145	5.9	100
	854	93	144	5.9	99
	855	93	148	5.6	100
	856	93	146	5.6	99

Table C-14. Individual Animal Serum Chemistry Data – Females

Group	Animal ID	Day	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
E6F	857	93	146	5.2	100
	858	93	147	5.3	101
	859	93	145	5.2	99
	860	93	144	5.6	100
	861	94	147	6.1	101
	862	94	146	6.1	100
	863	94	145	6.0	101
	864	94	146	6.6	101
	865	94	145	6.1	98
	866	94	144	6.0	100
	867	94	144	5.8	98
	868	94	145	5.4	97
	869	94	146	4.8	98
	870	94	145	5.5	97

Table C-15. Individual Animal Coagulation Data – Males

Group	Animal ID	Day	Prothrombin Time (Seconds)
CM	101	92	13.3
	102	92	14.7
	103	92	15.5
	104	92	14.6
	106	92	15.9
	107	92	15.3
	108	92	15.9
	109	92	15.9
	110	92	15.0
	111	93	14.0
	112	93	15.2
	113	93	15.1
	114	93	14.6
	115	93	14.2
	116	93	15.7
117	93	15.8	
118	93	16.5	
119	93	14.3	
120	93	15.5	
NT6M	201	92	15.3
	202	92	13.7
	203	92	14.3
	204	92	16.4
	205	92	14.9
	206	92	16.3
	208	92	16.5
	209	92	16.4
	210	92	15.4
	211	93	14.7

Table C-15. Individual Animal Coagulation Data – Males

Group	Animal ID	Day	Prothrombin Time (Seconds)
NT6M	212	93	16.5
	213	93	15.7
	214	93	16.2
	215	93	15.3
	216	93	16.3
	217	93	16.8
	218	93	16.8
	219	93	16.8
	220	93	17.0
B0.3M	301	92	15.0
	303	92	15.0
	304	92	15.4
	305	92	14.7
	306	92	15.1
	307	92	17.0
	308	92	15.6
	309	92	15.3
	310	92	13.6
	311	93	14.6
	312	93	16.4
	313	93	15.8
	314	93	15.0
	315	93	15.4
	316	93	15.9
	317	93	16.1
	318	93	16.8
319	93	16.7	
320	93	15.9	

Table C-15. Individual Animal Coagulation Data – Males

Group	Animal ID	Day	Prothrombin Time (Seconds)
B3M	401	92	15.4
	402	92	14.1
	403	92	15.1
	404	92	14.5
	405	92	14.4
	406	92	15.6
	407	92	15.8
	408	92	14.7
	409	92	17.1
	410	92	15.6
	411	93	15.9
	412	93	16.1
	413	93	15.7
	414	93	15.0
	415	93	15.7
	416	93	16.7
	417	93	16.1
	418	93	17.1
	419	93	16.6
	420	93	15.5
B6M	501	92	14.8
	502	92	14.6
	503	92	15.6
	504	92	14.9
	505	92	15.4
	506	92	16.2
	507	92	16.9
	508	92	16.8
	509	92	15.6

Table C-15. Individual Animal Coagulation Data – Males

Group	Animal ID	Day	Prothrombin Time (Seconds)
B6M	510	92	14.4
	511	93	15.7
	512	93	16.6
	513	93	14.1
	514	93	14.5
	515	93	15.7
	516	93	17.3
	517	93	16.1
	518	93	16.7
	519	93	17.6
	520	93	16.2
E0.3M	601	92	15.5
	602	92	14.2
	603	92	15.1
	604	92	15.4
	605	92	14.9
	606	92	15.7
	607	92	16.0
	608	92	14.6
	609	92	15.6
	610	92	15.7
	611	93	15.1
	612	93	15.5
	613	93	14.9
	614	93	16.1
	615	93	15.5
	616	93	16.4
	617	93	16.1
	618	93	15.3

Table C-15. Individual Animal Coagulation Data – Males

Group	Animal ID	Day	Prothrombin Time (Seconds)
E0.3M	619	93	16.8
	620	93	15.1
E3M	701	92	17.2
	702	92	14.3
	703	92	15.4
	704	92	14.8
	705	92	15.4
	706	92	15.6
	707	92	14.5
	708	92	16.3
	709	92	16.7
	710	92	14.9
	711	93	14.9
	712	93	15.2
	713	93	16.1
	714	93	14.2
	715	93	15.7
	716	93	16.5
	717	93	15.5
	718	93	16.8
719	93	15.9	
720	93	16.0	
E6M	801	92	16.7
	802	92	14.0
	803	92	15.1
	804	92	15.2
	805	92	14.9
	806	92	15.3
	807	92	17.1

Table C-15. Individual Animal Coagulation Data – Males

Group	Animal ID	Day	Prothrombin Time (Seconds)
E6M	808	92	17.1
	809	92	17.0
	810	92	14.9
	811	93	15.3
	812	93	15.2
	813	93	NT ^a
	814	93	15.6
	815	93	17.2
	816	93	17.6
	817	93	15.9
	818	93	16.3
	819	93	17.2
	820	93	15.9

(a) NT = Not taken.

Table C-16. Individual Animal Coagulation Data – Females

Group	Animal ID	Day	Prothrombin Time (Seconds)
CF	152	93	16.3
	153	93	16.1
	154	93	16.2
	155	93	15.7
	157	93	15.8
	158	93	16.8
	159	93	17.0
	160	93	17.0
	161	94	15.5
	162	94	15.9
	163	94	16.1
	164	94	15.7
	165	94	14.8
	166	94	15.4
	167	94	16.6
	168	94	16.4
	169	94	16.2
170	94	17.2	
NT6F	251	93	16.1
	252	93	15.4
	253	93	15.6
	254	93	14.8
	255	93	14.9
	256	93	15.7
	257	93	17.9
	258	93	18.0
	259	93	16.3
	260	93	17.9
	261	94	15.7

Table C-16. Individual Animal Coagulation Data – Females

Group	Animal ID	Day	Prothrombin Time (Seconds)
NT6F	262	94	15.7
	263	94	16.1
	264	94	15.6
	265	94	15.5
	267	94	15.1
	268	94	16.7
	269	94	16.5
B0.3F	352	93	16.3
	353	93	15.4
	355	93	15.2
	356	93	15.6
	357	93	16.4
	358	93	16.4
	359	93	16.5
	360	93	16.9
	361	94	15.5
	362	94	16.0
	363	94	17.3
	364	94	16.3
	365	94	15.6
	366	94	15.8
367	94	15.8	
B3F	451	93	16.1
	452	93	16.5
	453	93	16.2
	456	93	15.5

Table C-16. Individual Animal Coagulation Data – Females

Group	Animal ID	Day	Prothrombin Time (Seconds)
B3F	457	93	16.6
	458	93	15.8
	459	93	15.9
	460	93	14.9
	461	94	15.7
	462	94	16.5
	463	94	16.1
	464	94	15.9
	465	94	15.3
	466	94	15.3
	467	94	15.6
B6F	468	94	16.5
	469	94	16.0
	551	93	15.4
	552	93	16.9
	553	93	16.7
	554	93	16.0
	555	93	15.5
	556	93	15.5
	557	93	17.1
	558	93	16.5
	559	93	16.3
	560	93	15.4
	561	94	15.4
	562	94	16.1
	563	94	15.1
564	94	15.6	
565	94	16.1	
566	94	15.2	

Table C-16. Individual Animal Coagulation Data – Females

Group	Animal ID	Day	Prothrombin Time (Seconds)
B6F	567	94	15.4
	568	94	14.9
	569	94	15.6
	570	94	15.1
E0.3F	651	93	15.5
	652	93	15.2
	653	93	15.6
	654	93	15.0
	655	93	16.9
	656	93	15.4
	657	93	17.0
	658	93	17.3
	659	93	17.3
	660	93	14.8
	661	94	15.4
	662	94	15.9
	663	94	15.7
	664	94	15.3
	665	94	15.8
	666	94	15.7
	667	94	14.8
668	94	15.5	
669	94	17.2	
670	94	14.9	
E3F	751	93	15.4
	752	93	15.0
	753	93	15.4
	754	93	14.8
	755	93	16.8

Table C-16. Individual Animal Coagulation Data – Females

Group	Animal ID	Day	Prothrombin Time (Seconds)
E3F	756	93	16.0
	757	93	16.1
	758	93	16.4
	761	94	15.5
	762	94	16.7
	763	94	15.2
	764	94	16.3
	765	94	15.9
	766	94	15.8
	767	94	15.7
	768	94	14.8
	769	94	16.7
	770	94	15.3
E6F	851	93	15.3
	852	93	16.0
	853	93	15.5
	854	93	15.2
	856	93	16.0
	857	93	17.3
	858	93	16.5
	859	93	17.3
	860	93	15.1
	861	94	15.4
	862	94	16.4
	863	94	14.8
	864	94	15.3
	865	94	16.7
	866	94	15.7
867	94	15.3	

Table C-16. Individual Animal Coagulation Data – Females

Group	Animal		Prothrombin Time
	ID	Day	(Seconds)
E6F	868	94	15.8
	869	94	15.4
	870	94	15.1

APPENDIX D: PATHOLOGY INDIVIDUAL ANIMAL DATA

Table D-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal		Adrenal Glands	Brain	Epididymides	Heart	Kidneys
	ID	Day					
CM	101	92	0.050	2.031	1.3261	1.322	2.394
	102	92	0.048	1.897	1.1603	1.051	2.059
	103	92	0.049	1.904	1.2844	0.995	2.202
	104	92	0.045	1.830	1.2186	1.105	2.548
	105	92	0.051	1.989	1.2422	1.484	1.946
	106	92	0.038	1.996	1.2310	0.847	1.675
	107	92	0.053	1.828	1.2452	1.251	2.276
	108	92	0.061	2.059	1.3124	1.095	1.959
	109	92	0.065	2.044	1.2709	1.034	2.044
	110	92	0.044	2.112	1.2442	1.044	2.129
	111	93	0.058	1.987	1.1957	1.093	2.151
	112	93	0.052	2.134	1.1988	0.974	2.062
	113	93	0.063	1.920	1.4059	1.143	2.303
	114	93	0.059	2.007	1.2368	1.110	2.223
	115	93	0.058	1.974	1.1177	1.135	2.156
	116	93	0.066	2.158	1.4695	1.139	2.531
	117	93	0.049	2.090	1.2160	1.105	2.103
	118	93	0.061	2.107	1.1139	1.045	2.252
	119	93	0.063	2.154	1.3716	1.216	2.302
	120	93	0.062	2.131	1.4217	1.318	2.069
NT6M	201	92	0.052	2.029	1.2896	1.129	2.248
	202	92	0.055	1.871	1.3307	0.943	1.639
	203	92	0.059	2.002	1.1206	1.032	2.011
	204	92	0.049	2.070	1.2307	0.884	1.845
	205	92	0.060	1.991	1.1338	0.945	2.033
	206	92	0.062	2.070	1.1403	0.945	1.924
	207	92	0.073	2.143	1.2356	0.986	1.853
	208	92	0.060	2.022	1.1913	0.972	1.977
	209	92	0.052	2.021	1.2655	0.880	1.892

Table D-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal		Adrenal Glands	Brain	Epididymides	Heart	Kidneys
	ID	Day					
NT6M	210	92	0.053	2.032	1.3422	0.972	1.922
	211	93	0.055	1.899	1.3195	0.955	2.053
	212	93	0.061	1.991	1.3040	1.092	2.088
	213	93	0.058	1.957	1.2308	0.853	1.968
	214	93	0.052	2.011	1.1047	0.981	1.874
	215	93	0.058	1.895	1.1510	0.979	2.266
	216	93	0.064	1.960	1.0858	0.850	1.802
	217	93	0.049	2.061	1.1057	0.804	1.559
	218	93	0.060	2.143	1.3218	0.896	1.925
	219	93	0.055	1.999	1.2146	0.982	2.061
	220	93	0.065	1.974	1.2545	0.970	1.974
B0.3M	301	92	0.062	2.181	1.4151	1.184	2.302
	302	92	0.063	2.076	1.2928	1.100	2.289
	303	92	0.049	2.112	1.2895	1.139	1.957
	304	92	0.045	1.864	1.2809	0.818	1.720
	305	92	0.056	2.023	1.4569	1.198	2.290
	306	92	0.053	2.105	1.1740	1.146	2.159
	307	92	0.047	2.013	1.0471	1.008	1.735
	308	92	0.051	2.138	1.3467	1.146	2.305
	309	92	0.063	2.084	1.2939	1.015	2.167
	310	92	0.066	2.052	1.3396	1.181	1.999
	311	93	0.062	2.105	1.3082	1.065	2.257
	312	93	0.046	1.992	1.1427	1.049	1.893
	313	93	0.042	1.963	1.4612	0.972	1.625
	314	93	0.044	2.114	1.4203	1.231	2.322
	315	93	0.082	2.075	1.3386	1.180	2.173
	316	93	0.063	2.132	1.1850	1.078	2.190
	317	93	0.048	1.984	1.2646	1.026	2.406

Table D-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal		Adrenal Glands	Brain	Epididymides	Heart	Kidneys
	ID	Day					
B0.3M	318	93	0.056	2.015	1.0618	0.906	1.859
	319	93	0.049	2.068	1.2134	0.942	1.979
	320	93	0.039	1.948	1.4368	1.113	1.975
B3M	401	92	0.047	1.840	1.1996	0.923	1.822
	402	92	0.070	1.979	1.1918	1.056	2.080
	403	92	0.052	2.067	1.3596	1.094	2.133
	404	92	0.071	2.122	1.2853	1.155	2.168
	405	92	0.053	1.898	1.2253	1.076	2.118
	406	92	0.052	1.945	1.1792	0.965	1.827
	407	92	0.053	2.120	1.2994	0.925	2.026
	408	92	0.051	2.140	1.3505	1.111	2.443
	409	92	0.058	2.097	1.0926	0.940	2.021
	410	92	0.056	2.216	1.5117	1.034	2.049
	411	93	0.049	2.012	1.2638	1.088	2.143
	412	93	0.074	2.152	1.3524	1.200	2.526
	413	93	0.056	1.917	1.2325	1.047	2.136
	414	93	0.060	1.840	1.3101	0.983	2.065
	415	93	0.051	2.036	1.3305	0.987	1.890
	416	93	0.074	2.178	1.4226	1.137	2.308
	417	93	0.041	2.002	1.2260	1.024	1.973
418	93	0.044	1.939	1.1743	0.806	1.618	
419	93	0.067	2.187	1.1550	1.057	2.440	
420	93	0.070	2.115	1.3192	1.011	2.204	
B6M	501	92	0.057	1.896	1.4088	1.073	2.038
	502	92	0.047	1.920	1.0110	0.873	1.858
	503	92	0.037	1.994	1.1935	0.997	1.827
	504	92	0.060	1.926	1.3676	1.063	2.196
	505	92	0.054	2.022	1.1411	0.887	1.831

Table D-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal		Adrenal Glands	Brain	Epididymides	Heart	Kidneys
	ID	Day					
B6M	506	92	0.055	2.046	1.2568	1.096	2.053
	507	92	0.049	1.852	1.2363	0.854	1.617
	508	92	0.051	2.055	1.1769	0.978	1.994
	509	92	0.070	1.956	1.1919	1.035	2.219
	510	92	0.047	1.992	1.1572	0.927	1.828
	511	93	0.062	2.089	1.0469	0.860	2.024
	512	93	0.054	1.990	1.3308	0.915	1.885
	513	93	0.045	1.977	1.3544	0.872	1.878
	514	93	0.051	2.074	1.1462	1.004	2.161
	515	93	0.056	1.926	1.0972	0.845	1.911
	516	93	0.049	2.096	1.3202	0.939	2.113
	517	93	0.052	2.006	1.2921	0.978	1.752
	518	93	0.055	2.107	1.3127	1.009	2.035
	519	93	0.051	2.058	1.2175	0.921	1.849
	520	93	0.053	2.088	1.4116	1.048	2.108
E0.3M	601	92	0.047	1.885	1.2875	0.964	2.040
	602	92	0.072	2.100	1.3460	1.019	2.148
	603	92	0.071	2.020	1.1061	1.079	2.138
	604	92	0.051	2.076	1.1467	1.187	2.169
	605	92	0.063	2.035	1.5236	1.122	2.271
	606	92	0.053	2.030	1.2241	1.121	2.153
	607	92	0.052	2.009	1.3940	0.888	1.780
	608	92	0.054	2.008	1.3441	1.147	2.192
	609	92	0.060	2.041	1.3717	1.039	2.113
	610	92	0.060	2.133	1.4425	1.189	2.279
	611	93	0.049	2.005	1.0886	0.966	1.951
	612	93	0.052	1.967	0.9926	1.198	2.078
	613	93	0.069	1.961	1.4002	1.203	2.133

Table D-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal		Adrenal Glands	Brain	Epididymides	Heart	Kidneys
	ID	Day					
E0.3M	614	93	0.040	1.921	1.3158	0.871	1.983
	615	93	0.059	2.104	1.1874	1.245	2.208
	616	93	0.047	2.156	1.3641	1.084	2.206
	617	93	0.060	2.062	1.2337	1.043	1.987
	618	93	0.054	1.878	1.3792	0.947	2.084
	619	93	0.059	1.979	1.2366	1.095	2.043
	620	93	0.064	2.099	1.1097	1.129	2.066
E3M	701	92	0.070	2.124	1.3358	0.999	2.195
	702	92	0.049	2.035	1.3015	1.032	2.028
	703	92	0.060	2.069	1.4220	0.998	2.087
	704	92	0.069	2.107	1.3523	0.996	1.948
	705	92	0.055	1.997	1.3953	1.115	2.060
	706	92	0.060	1.991	1.1573	0.904	1.945
	707	92	0.056	2.188	1.2381	1.177	2.587
	708	92	0.053	1.988	1.4115	0.993	2.186
	709	92	0.054	2.050	1.4133	1.065	2.025
	710	92	0.056	1.999	1.2711	1.089	1.903
	711	93	0.047	1.889	1.3629	1.024	1.958
	712	93	0.053	2.061	1.4687	1.056	2.025
	713	93	0.049	2.120	1.1200	1.037	2.164
	714	93	0.066	2.113	1.2874	0.985	2.317
	715	93	0.043	2.043	1.1889	1.159	2.432
	716	93	0.060	2.111	1.1994	1.080	2.448
	717	93	0.054	2.007	1.1311	0.955	2.041
	718	93	0.041	2.017	1.1711	0.833	1.821
	719	93	0.054	2.185	1.7154	1.072	2.602
	720	93	0.047	2.047	1.1804	1.003	1.825

Table D-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal		Adrenal Glands	Brain	Epididymides	Heart	Kidneys
	ID	Day					
E6M	801	92	0.061	1.962	1.3088	0.893	1.981
	802	92	0.054	2.054	1.2766	0.960	2.004
	803	92	0.065	1.884	1.2389	0.915	2.043
	804	92	0.073	2.140	1.1970	1.195	2.198
	805	92	0.044	1.950	1.2005	0.938	1.883
	806	92	0.045	2.054	1.3380	0.960	2.088
	807	92	0.046	2.030	1.0871	0.864	1.967
	808	92	0.059	2.108	1.2120	0.825	1.765
	809	92	0.063	2.032	1.2634	0.901	1.798
	810	92	0.060	1.928	1.0363	0.965	1.837
	811	93	0.056	2.005	1.2885	0.998	1.956
	812	93	0.048	2.064	1.3020	1.068	2.575
	813	93	0.055	2.002	0.8476	1.296	2.123
	814	93	0.054	2.025	1.3040	0.947	2.033
	815	93	0.080	2.202	1.2227	0.974	2.230
	816	93	0.042	1.940	1.1770	0.906	2.028
	817	93	0.050	1.994	1.2173	1.026	1.933
	818	93	0.054	2.014	1.2613	0.968	2.370
	819	93	0.045	2.007	1.2503	0.910	2.036
	820	93	0.050	2.070	1.1413	1.053	2.247

Table D-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal		Liver	Lungs	Pituitary Gland	Prostate	Salivary Gland
	ID	Day					
CM	101	92	8.956	3.074	0.011	1.049	0.606
	102	92	7.596	1.770	0.014	1.191	0.573
	103	92	8.689	3.574	0.013	1.205	0.687
	104	92	9.806	3.201	0.013	1.021	0.645
	105	92	8.541	3.907	0.009	1.223	0.644
	106	92	6.488	2.426	0.013	0.941	0.591
	107	92	9.203	3.632	0.013	1.153	0.599
	108	92	8.315	2.700	0.012	1.124	0.597
	109	92	8.785	3.422	0.011	1.378	0.498
	110	92	8.593	3.773	0.015	1.189	0.604
	111	93	9.126	2.306	0.016	1.318	0.636
	112	93	8.461	4.205	0.011	1.144	0.709
	113	93	9.203	3.708	0.012	1.025	0.634
	114	93	8.942	2.913	0.011	1.237	0.661
	115	93	8.590	3.211	0.013	1.025	0.581
	116	93	9.286	2.848	0.013	1.035	0.723
	117	93	8.844	2.501	0.013	1.233	0.696
	118	93	8.568	2.222	0.013	1.007	0.691
	119	93	8.905	3.779	0.012	1.293	0.666
	120	93	8.756	3.387	0.017	1.002	0.645
NT6M	201	92	8.629	2.020	0.014	1.076	0.625
	202	92	6.239	2.714	0.011	0.827	0.648
	203	92	8.270	3.573	0.012	0.989	0.627
	204	92	7.294	2.910	0.009	0.836	0.698
	205	92	7.369	3.104	0.010	0.853	0.638
	206	92	7.262	3.322	0.011	0.827	0.653
	207	92	6.369	3.219	0.015	0.870	0.679
	208	92	7.380	3.421	0.012	1.186	0.695

Table D-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal		Liver	Lungs	Pituitary Gland	Prostate	Salivary Gland
	ID	Day					
NT6M	209	92	6.884	3.667	0.014	0.853	0.633
	210	92	7.600	3.365	0.011	1.056	0.686
	211	93	7.403	1.924	0.009	1.016	0.592
	212	93	7.199	3.219	0.011	0.863	0.669
	213	93	7.348	1.809	0.012	0.993	0.675
	214	93	6.530	3.187	0.018	1.202	0.647
	215	93	7.757	2.488	0.013	1.045	0.648
	216	93	6.947	3.028	0.013	0.800	0.588
	217	93	5.877	2.227	0.012	0.828	0.499
	218	93	7.187	2.347	0.011	1.252	0.743
	219	93	7.828	2.858	0.012	1.292	0.627
	220	93	10.504	3.001	0.011	0.957	0.646
B0.3M	301	92	9.849	3.827	0.011	1.378	0.868
	302	92	9.153	3.953	0.011	1.143	0.695
	303	92	8.266	2.341	0.010	1.261	0.683
	304	92	6.977	2.898	0.012	1.260	0.533
	305	92	8.955	3.852	0.010	1.191	0.714
	306	92	9.780	4.208	0.013	1.128	0.651
	307	92	7.580	2.722	0.010	1.215	0.533
	308	92	8.540	3.980	0.014	1.210	0.649
	309	92	8.631	3.299	0.013	1.536	0.738
	310	92	8.557	3.695	0.012	1.336	0.741
	311	93	8.460	2.387	0.013	1.419	0.614
	312	93	7.865	2.132	0.014	1.024	0.704
	313	93	7.053	2.666	0.006	0.963	0.515
	314	93	9.302	2.659	0.011	1.150	0.681
	315	93	9.222	3.353	0.011	1.222	0.578
		316	93	9.048	3.208	0.014	0.999

Table D-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal		Liver	Lungs	Pituitary Gland	Prostate	Salivary Gland
	ID	Day					
B0.3M	317	93	9.966	2.374	0.011	1.409	0.612
	318	93	6.983	2.597	0.008	1.399	0.634
	319	93	7.369	3.461	0.011	1.126	0.563
	320	93	8.812	2.543	0.013	1.108	0.558
B3M	401	92	6.930	2.441	0.010	0.942	0.609
	402	92	8.822	2.737	0.014	1.293	0.652
	403	92	8.621	2.785	0.012	0.990	0.661
	404	92	8.326	3.660	0.015	1.378	0.627
	405	92	8.759	3.431	0.011	1.432	0.733
	406	92	7.045	3.166	0.010	0.730	0.568
	407	92	8.426	2.113	0.010	1.319	0.697
	408	92	8.534	3.642	0.012	1.291	0.650
	409	92	7.897	2.826	0.014	1.180	0.649
	410	92	7.751	3.330	0.013	1.331	0.789
	411	93	8.821	2.240	0.016	1.026	0.742
	412	93	10.795	4.421	0.014	1.165	0.822
	413	93	7.848	2.015	0.009	1.194	0.545
	414	93	8.265	3.496	0.012	0.923	0.697
	415	93	7.362	2.967	0.014	0.955	0.601
	416	93	9.665	2.027	0.015	1.391	0.842
	417	93	7.681	3.172	0.012	1.082	0.677
	418	93	6.096	2.353	0.011	0.805	0.586
	419	93	9.563	4.096	0.016	0.997	0.680
	420	93	8.555	2.469	0.014	1.276	0.642
B6M	501	92	7.412	2.816	0.011	0.885	0.577
	502	92	6.894	3.153	0.010	0.798	0.576
	503	92	6.833	2.545	0.011	0.971	0.616
	504	92	7.722	3.161	0.015	1.299	0.634

Table D-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal		Liver	Lungs	Pituitary Gland	Prostate	Salivary Gland
	ID	Day					
B6M	505	92	7.080	3.650	0.018	1.104	0.658
	506	92	7.784	2.645	0.013	1.291	0.639
	507	92	5.807	2.757	0.009	1.041	0.672
	508	92	7.809	3.334	0.016	1.243	0.788
	509	92	9.438	3.711	0.013	1.190	0.925
	510	92	7.789	3.092	0.015	0.890	0.650
	511	93	8.029	2.632	0.011	0.758	0.731
	512	93	6.587	2.105	0.010	1.391	0.633
	513	93	6.622	3.944	0.012	1.081	0.726
	514	93	7.749	3.760	0.014	1.084	0.578
	515	93	6.622	2.048	0.011	0.856	0.650
	516	93	6.747	2.845	0.011	0.806	0.616
	517	93	6.747	2.125	0.012	0.948	0.557
	518	93	8.959	2.592	0.016	1.125	0.633
	519	93	7.305	2.422	0.009	0.943	0.603
520	93	8.445	3.024	0.012	1.065	0.758	
E0.3M	601	92	7.558	2.096	0.010	1.300	0.546
	602	92	8.608	3.185	0.015	1.163	0.740
	603	92	8.311	2.688	0.010	1.194	0.574
	604	92	8.997	3.404	0.013	1.046	0.621
	605	92	9.131	3.454	0.011	1.192	0.718
	606	92	8.696	3.240	0.013	1.037	0.683
	607	92	6.605	3.077	0.012	1.112	0.547
	608	92	8.599	3.679	0.011	1.281	0.661
	609	92	7.881	2.886	0.013	0.981	0.704
	610	92	9.503	2.840	0.012	1.405	0.646
	611	93	7.290	3.403	0.012	1.330	0.671
	612	93	8.282	2.414	0.013	1.109	0.716

Table D-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal		Liver	Lungs	Pituitary Gland	Prostate	Salivary Gland
	ID	Day					
E0.3M	613	93	8.919	4.261	0.015	1.298	0.880
	614	93	7.822	2.207	0.010	1.093	0.542
	615	93	8.719	3.713	0.013	1.048	0.741
	616	93	9.653	2.456	0.011	1.322	0.728
	617	93	7.827	3.382	0.010	0.986	0.621
	618	93	6.855	2.176	0.013	0.997	0.536
	619	93	8.721	2.736	0.011	1.350	0.632
	620	93	8.966	3.057	0.013	1.017	0.615
E3M	701	92	8.169	3.121	0.014	1.005	0.690
	702	92	8.084	3.136	0.011	1.374	0.706
	703	92	7.688	3.316	0.011	1.399	0.629
	704	92	8.231	3.506	0.011	1.129	0.681
	705	92	7.983	2.402	0.012	1.430	0.722
	706	92	7.155	3.190	0.012	1.226	0.568
	707	92	10.424	4.519	0.013	1.553	0.806
	708	92	7.871	3.328	0.010	1.007	0.610
	709	92	8.156	1.827	0.015	1.249	0.699
	710	92	7.974	3.047	0.012	1.322	0.679
	711	93	7.928	2.628	0.010	1.046	0.485
	712	93	8.161	3.597	0.012	1.437	0.642
	713	93	7.784	2.425	0.010	1.209	0.660
	714	93	8.500	2.242	0.011	1.078	0.614
	715	93	10.599	3.643	0.015	0.964	0.810
	716	93	10.584	3.617	0.014	1.331	0.725
	717	93	7.307	3.097	0.011	1.012	0.667
	718	93	6.561	2.386	0.010	1.059	0.586
	719	93	10.253	3.171	0.018	1.323	0.773
	720	93	6.437	3.120	0.013	0.908	0.620

Table D-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal		Liver	Lungs	Pituitary Gland	Prostate	Salivary Gland
	ID	Day					
E6M	801	92	7.010	3.016	0.010	0.933	0.572
	802	92	8.153	3.149	0.008	0.967	0.710
	803	92	7.412	2.932	0.008	1.205	0.635
	804	92	8.705	3.644	0.016	1.138	0.712
	805	92	7.527	2.223	0.010	0.890	0.633
	806	92	7.875	3.568	0.011	1.084	0.674
	807	92	6.378	3.053	0.008	1.005	0.618
	808	92	6.702	2.721	0.013	1.246	0.687
	809	92	7.023	2.875	0.010	1.212	0.654
	810	92	7.932	3.576	0.006	1.011	0.584
	811	93	7.435	2.700	0.009	1.234	0.649
	812	93	7.794	3.269	0.011	0.976	0.630
	813	93	8.518	3.890	0.014	1.110	0.673
	814	93	7.086	3.106	0.010	1.317	0.596
	815	93	7.786	3.086	0.011	1.231	0.747
	816	93	9.026	2.438	0.009	0.590	0.576
	817	93	7.845	2.558	0.011	0.940	0.614
	818	93	8.224	2.541	0.017	0.795	0.679
	819	93	8.586	2.035	0.009	0.876	0.703
	820	93	10.194	3.424	0.011	0.873	0.602

Table D-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal ID	Day	Seminal Vesicles	Spleen	Testes	Thymus	Thyroid Glands
CM	101	92	1.367	0.596	3.431	0.485	0.026
	102	92	1.321	0.597	3.286	0.367	0.025
	103	92	1.536	0.551	3.748	0.337	0.032
	104	92	1.092	0.653	3.645	0.398	0.033
	105	92	1.461	0.531	4.008	0.378	0.033
	106	92	0.991	0.512	3.088	0.326	0.025
	107	92	0.983	0.584	3.740	0.420	0.040
	108	92	1.177	0.694	3.908	0.331	0.029
	109	92	1.620	0.588	3.733	0.321	0.024
	110	92	1.277	0.591	3.317	0.351	0.037
	111	93	1.425	0.605	3.138	0.325	0.038
	112	93	1.152	0.534	3.480	0.389	0.036
	113	93	1.279	0.600	3.523	0.348	0.034
	114	93	1.341	0.522	3.436	0.413	0.036
	115	93	1.048	0.519	3.335	0.411	0.026
	116	93	1.182	0.612	4.287	0.549	0.031
	117	93	1.425	0.522	3.663	0.470	0.027
	118	93	1.181	0.546	2.890	0.387	0.037
	119	93	1.424	0.733	4.243	0.420	0.027
	120	93	1.219	0.675	4.203	0.459	0.033
NT6M	201	92	1.175	0.717	3.814	0.459	0.027
	202	92	1.207	0.476	3.749	0.205	0.034
	203	92	0.819	0.540	3.656	0.250	0.039
	204	92	1.312	0.469	3.305	0.286	0.043
	205	92	1.101	0.662	4.195	0.348	0.020
	206	92	1.166	0.524	3.171	0.399	0.031
	207	92	0.932	0.365	3.709	0.298	0.037
	208	92	1.189	0.600	3.664	0.315	0.025

Table D-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal ID	Day	Seminal Vesicles	Spleen	Testes	Thymus	Thyroid Glands
NT6M	209	92	0.879	0.559	3.774	0.354	0.030
	210	92	1.243	0.532	4.004	0.353	0.025
	211	93	1.053	0.479	3.929	0.395	0.030
	212	93	1.139	0.634	3.410	0.312	0.032
	213	93	0.793	0.573	3.904	0.341	0.033
	214	93	1.178	0.587	3.580	0.352	0.033
	215	93	1.339	0.653	4.112	0.346	0.033
	216	93	0.935	0.448	3.167	0.370	0.026
	217	93	1.188	0.393	3.293	0.275	0.026
	218	93	1.297	0.591	3.772	0.350	0.028
	219	93	0.932	0.672	3.458	0.312	0.030
	220	93	0.974	0.615	3.555	0.272	0.032
B0.3M	301	92	1.455	0.732	4.111	0.388	0.022
	302	92	1.234	0.790	3.543	0.416	0.028
	303	92	1.119	0.518	3.512	0.381	0.034
	304	92	1.029	0.468	3.737	0.389	0.040
	305	92	1.385	0.516	4.013	0.412	0.032
	306	92	1.114	0.689	3.882	0.524	0.036
	307	92	0.786	0.603	3.551	0.334	0.022
	308	92	1.024	0.665	4.067	0.466	0.029
	309	92	1.304	0.635	3.824	0.301	0.033
	310	92	1.064	0.592	3.292	0.386	0.027
	311	93	1.277	0.648	4.076	0.342	0.033
	312	93	1.024	0.606	3.352	0.475	0.031
	313	93	1.286	0.801	3.771	0.430	0.034
	314	93	1.280	0.667	3.511	0.444	0.031
	315	93	1.049	0.522	3.828	0.467	0.022
	316	93	0.865	0.892	3.726	0.421	0.035

Table D-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal ID	Day	Seminal Vesicles	Spleen	Testes	Thymus	Thyroid Glands
B0.3M	317	93	1.393	0.679	3.668	0.403	0.025
	318	93	1.297	0.547	3.558	0.301	0.026
	319	93	0.985	0.656	3.471	0.387	0.028
	320	93	0.723	0.555	3.408	0.461	0.028
B3M	401	92	1.052	0.498	3.372	0.331	0.031
	402	92	1.362	0.576	3.498	0.330	0.036
	403	92	1.436	0.622	3.844	0.586	0.039
	404	92	1.054	0.585	3.838	0.324	0.029
	405	92	1.145	0.693	3.422	0.348	0.034
	406	92	0.896	0.566	3.607	0.489	0.032
	407	92	1.335	0.496	3.886	0.355	0.033
	408	92	1.363	0.620	4.018	0.333	0.038
	409	92	0.747	0.594	3.736	0.281	0.036
	410	92	1.194	0.625	4.132	0.282	0.038
	411	93	1.073	0.657	3.846	0.392	0.036
	412	93	1.370	0.652	3.732	0.308	0.039
	413	93	1.429	0.639	3.935	0.298	0.022
	414	93	1.224	0.584	3.823	0.389	0.027
	415	93	0.773	0.653	3.962	0.310	0.036
	416	93	1.239	0.661	4.060	0.275	0.028
	417	93	1.124	0.678	3.710	0.306	0.035
418	93	1.045	0.444	3.324	0.336	0.024	
419	93	1.282	0.711	3.662	0.294	0.029	
420	93	1.507	0.609	4.024	0.304	0.029	
B6M	501	92	1.241	0.569	4.095	0.351	0.027
	502	92	1.176	0.496	3.224	0.335	0.034
	503	92	1.606	0.592	3.682	0.316	0.021
	504	92	1.297	0.637	4.069	0.404	0.017

Table D-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal ID	Day	Seminal Vesicles	Spleen	Testes	Thymus	Thyroid Glands
B6M	505	92	1.111	0.496	3.676	0.283	0.037
	506	92	1.178	0.580	3.383	0.291	0.029
	507	92	0.828	0.540	3.669	0.360	0.020
	508	92	1.117	0.545	3.377	0.404	0.023
	509	92	1.120	0.574	3.818	0.397	0.034
	510	92	1.106	0.502	3.623	0.305	0.027
	511	93	0.012	0.650	3.324	0.342	0.023
	512	93	1.164	0.553	3.888	0.241	0.025
	513	93	1.007	0.464	3.641	0.423	0.029
	514	93	1.120	0.447	3.792	0.231	0.035
	515	93	0.753	0.480	3.409	0.276	0.024
	516	93	1.237	0.606	3.937	0.355	0.029
	517	93	0.737	0.532	3.913	0.409	0.024
	518	93	0.904	0.634	3.533	0.442	0.035
	519	93	0.609	0.709	3.706	0.370	0.023
520	93	1.182	0.488	4.088	0.491	0.023	
E0.3M	601	92	1.350	0.540	3.494	0.328	0.027
	602	92	1.396	0.672	3.823	0.629	0.034
	603	92	1.254	0.655	3.511	0.454	0.025
	604	92	1.221	0.553	3.309	0.397	0.027
	605	92	1.232	0.704	4.116	0.342	0.023
	606	92	1.206	0.487	3.598	0.422	0.037
	607	92	1.084	0.500	3.479	0.382	0.027
	608	92	1.038	0.610	3.400	0.389	0.048
	609	92	1.071	0.657	3.906	0.346	0.020
	610	92	1.277	0.819	3.844	0.399	0.021
	611	93	0.779	0.550	3.350	0.358	0.042
	612	93	1.198	0.620	3.444	0.339	0.039

Table D-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal ID	Day	Seminal Vesicles	Spleen	Testes	Thymus	Thyroid Glands
E0.3M	613	93	1.192	0.688	4.458	0.454	0.034
	614	93	1.093	0.563	3.323	0.353	0.025
	615	93	1.201	0.654	3.860	0.529	0.029
	616	93	1.226	0.740	3.893	0.476	0.033
	617	93	1.107	0.579	3.350	0.329	0.019
	618	93	1.428	0.608	3.490	0.447	0.035
	619	93	1.450	0.634	3.904	0.348	0.031
	620	93	1.195	0.605	3.588	0.349	0.029
E3M	701	92	0.843	0.607	3.709	0.245	0.031
	702	92	1.186	0.585	3.540	0.368	0.029
	703	92	1.163	0.586	4.037	0.398	0.047
	704	92	0.999	0.614	3.731	0.387	0.032
	705	92	1.474	0.625	3.812	0.359	0.031
	706	92	1.263	0.506	3.415	0.295	0.037
	707	92	1.681	0.720	3.861	0.399	0.031
	708	92	1.302	0.673	3.922	0.463	0.027
	709	92	1.074	0.686	3.905	0.434	0.037
	710	92	1.191	0.675	3.861	0.501	0.045
	711	93	1.504	0.612	3.681	0.315	0.024
	712	93	1.276	0.624	4.118	0.313	0.026
	713	93	1.648	0.612	3.568	0.354	0.035
	714	93	1.452	0.612	3.865	0.411	0.028
	715	93	1.158	0.627	3.620	0.473	0.039
	716	93	1.370	0.689	3.445	0.437	0.036
	717	93	1.161	0.676	3.661	0.363	0.030
	718	93	0.838	0.549	3.490	0.287	0.025
	719	93	1.607	0.790	4.302	0.502	0.031
	720	93	1.068	0.497	3.376	0.310	0.029

Table D-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal ID	Day	Seminal Vesicles	Spleen	Testes	Thymus	Thyroid Glands
E6M	801	92	1.203	0.543	3.561	0.320	0.030
	802	92	0.914	0.594	3.284	0.529	0.024
	803	92	1.161	0.676	3.594	0.307	0.028
	804	92	1.007	0.567	3.704	0.399	0.030
	805	92	1.349	0.499	3.838	0.327	0.032
	806	92	1.181	0.649	4.135	0.201	0.026
	807	92	1.207	0.495	3.336	0.365	0.014
	808	92	1.309	0.467	3.953	0.273	0.022
	809	92	0.862	0.622	3.596	0.488	0.022
	810	92	1.163	0.492	3.315	0.239	0.024
	811	93	1.091	0.574	3.225	0.383	0.024
	812	93	0.975	0.659	4.162	0.293	0.025
	813	93	1.190	0.552	0.757	0.298	0.027
	814	93	1.177	0.528	3.571	0.324	0.019
	815	93	1.133	0.571	3.545	0.338	0.018
	816	93	0.858	0.572	3.174	0.364	0.039
	817	93	1.038	0.558	3.894	0.338	0.033
	818	93	1.071	0.531	3.748	0.407	0.029
	819	93	1.063	0.540	4.189	0.428	0.023
	820	93	0.805	0.546	3.759	0.389	0.027

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal		Adrenal Glands	Brain	Heart	Kidneys	Liver
	ID	Day					
CF	151	93	0.056	1.804	0.664	1.233	5.182
	152	93	0.063	1.869	0.742	1.411	5.232
	153	93	0.056	1.749	0.679	1.233	4.799
	154	93	0.074	1.908	0.735	1.327	5.267
	155	93	0.050	1.939	0.734	1.530	5.246
	156	93	0.056	1.889	0.676	1.276	5.775
	157	93	0.058	1.758	0.709	1.259	5.068
	158	93	0.058	1.865	0.645	1.404	5.081
	159	93	0.064	1.891	0.873	1.374	5.523
	160	93	0.071	1.864	0.696	1.355	5.076
	161	94	0.069	2.012	0.741	1.395	5.390
	162	94	0.054	1.875	0.765	1.316	5.346
	163	94	0.056	1.815	0.689	1.210	4.605
	164	94	0.079	1.919	0.792	1.532	5.582
	165	94	0.065	1.903	0.807	1.427	5.047
	166	94	0.060	1.944	0.750	1.320	5.381
	167	94	0.064	1.807	0.759	1.364	5.242
168	94	0.060	1.878	0.688	1.318	5.218	
169	94	0.071	1.998	0.809	1.727	6.381	
170	94	0.094	2.000	0.721	1.431	5.977	
NT6F	251	93	0.057	1.915	0.669	1.108	4.640
	252	93	0.057	1.741	0.661	1.304	5.440
	253	93	0.048	1.853	0.581	1.063	4.467
	254	93	0.055	1.873	0.610	1.285	5.332
	255	93	0.050	1.831	0.616	1.232	5.018
	256	93	0.060	1.949	0.718	1.292	4.682
	257	93	0.063	2.033	0.680	1.264	4.759
	258	93	0.059	1.971	0.690	1.236	5.189

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal		Adrenal Glands	Brain	Heart	Kidneys	Liver
	ID	Day					
NT6F	259	93	0.038	1.683	0.571	1.193	5.400
	260	93	0.050	1.713	0.531	0.981	3.514
	261	94	0.065	1.831	0.630	1.124	4.503
	262	94	0.058	1.868	0.678	1.202	4.996
	263	94	0.050	1.831	0.751	1.253	5.067
	264	94	0.052	1.782	0.614	1.093	4.402
	265	94	0.060	1.940	0.779	1.402	5.812
	266	94	0.068	1.826	0.657	1.124	4.892
	267	94	0.053	1.877	0.710	1.438	5.461
	268	94	0.048	1.755	0.606	1.148	4.614
	269	94	0.068	1.786	0.637	1.226	4.417
270	94	0.054	1.821	0.731	1.236	4.808	
B0.3F	351	93	0.085	1.683	0.682	1.289	5.330
	352	93	0.063	1.879	0.738	1.555	5.875
	353	93	0.070	1.841	0.808	1.274	5.504
	354	93	0.065	1.845	0.723	1.470	5.551
	355	93	0.065	1.781	0.774	1.392	6.083
	356	93	0.068	1.775	0.747	1.212	4.894
	357	93	0.063	1.773	0.699	1.216	4.698
	358	93	0.057	1.685	0.648	1.191	5.238
	359	93	0.069	1.973	0.826	1.448	5.680
	360	93	0.057	1.762	0.777	1.325	5.222
	361	94	0.077	1.958	0.789	1.546	5.633
	362	94	0.062	1.887	0.768	1.432	5.332
	363	94	0.058	1.898	0.747	1.442	5.584
	364	94	0.051	1.917	0.791	1.507	5.202
	365	94	0.061	1.889	0.632	1.195	5.026
	366	94	0.069	1.836	0.697	1.358	5.449

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal		Adrenal Glands	Brain	Heart	Kidneys	Liver
	ID	Day					
B0.3F	367	94	0.058	1.949	0.720	1.419	5.621
	368	94	0.070	1.991	0.764	1.567	5.642
	369	94	0.051	1.810	0.644	1.312	5.185
	370	94	0.074	1.999	0.715	1.464	5.177
B3F	451	93	0.046	1.784	0.641	1.153	4.354
	452	93	0.061	1.782	0.656	1.337	5.169
	453	93	0.074	1.831	0.696	1.319	4.989
	454	93	0.055	1.877	0.700	1.327	4.896
	456	93	0.078	1.911	0.702	1.260	5.147
	457	93	0.072	1.968	0.803	1.595	5.348
	458	93	0.065	1.913	0.632	1.196	4.750
	459	93	0.062	1.836	0.797	1.392	5.631
	460	93	0.055	1.938	0.610	1.162	4.912
	461	94	0.067	1.939	0.665	1.181	4.694
	462	94	0.070	1.842	0.705	1.325	4.965
	463	94	0.065	1.765	0.809	1.386	5.105
	464	94	0.068	1.958	0.631	1.272	5.172
	465	94	0.067	1.689	0.711	1.394	5.208
	466	94	0.061	1.928	0.769	1.312	4.968
	467	94	0.067	1.806	0.685	1.273	6.013
	468	94	0.074	2.043	0.711	1.389	5.482
469	94	0.047	1.904	0.707	1.448	5.690	
470	94	0.056	1.796	0.661	1.097	4.550	
B6F	551	93	0.059	1.880	0.615	1.335	5.058
	552	93	0.037	1.817	0.551	1.066	4.333
	553	93	0.060	1.750	0.653	1.171	4.615
	554	93	0.065	1.731	0.720	1.348	5.615
	555	93	0.071	1.827	0.708	1.409	5.826

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal		Adrenal Glands	Brain	Heart	Kidneys	Liver
	ID	Day					
B6F	556	93	0.059	1.827	0.683	1.182	4.820
	557	93	0.057	1.945	0.587	1.181	5.133
	558	93	0.055	1.891	0.638	1.301	4.777
	559	93	0.044	1.825	0.515	0.958	4.180
	560	93	0.047	1.912	0.561	1.355	4.502
	561	94	0.052	1.707	0.658	1.116	5.031
	562	94	0.057	1.905	0.641	1.211	4.710
	563	94	0.055	1.583	0.537	1.012	4.330
	564	94	0.044	1.786	0.653	1.186	4.712
	565	94	0.057	1.823	0.584	1.211	4.323
	566	94	0.050	1.930	0.692	1.417	5.376
	567	94	0.059	1.992	0.703	1.418	5.916
	568	94	0.058	1.888	0.686	1.209	5.346
	569	94	0.047	1.921	0.655	1.304	4.884
	570	94	0.053	1.842	0.613	1.276	5.438
E0.3F	651	93	0.070	1.875	0.729	1.269	5.342
	652	93	0.068	1.986	0.710	1.283	5.067
	653	93	0.068	1.776	0.766	1.269	5.962
	654	93	0.069	1.828	0.723	1.365	5.118
	655	93	0.061	1.796	0.610	1.194	4.707
	656	93	0.058	1.909	0.660	1.403	5.362
	657	93	0.070	1.883	0.706	1.343	5.392
	658	93	0.063	1.882	0.682	1.475	5.489
	659	93	0.059	1.800	0.670	1.224	4.371
	660	93	0.087	1.967	0.681	1.468	5.678
	661	94	0.059	1.792	0.822	1.475	5.748
	662	94	0.068	1.901	0.659	1.385	4.983
	663	94	0.058	1.892	0.711	1.442	5.281

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal		Adrenal Glands	Brain	Heart	Kidneys	Liver
	ID	Day					
E0.3F	664	94	0.064	1.869	0.718	1.419	5.623
	665	94	0.073	1.989	0.799	1.515	5.884
	666	94	0.061	1.855	0.647	1.236	4.652
	667	94	0.048	1.825	0.697	1.244	5.273
	668	94	0.072	1.849	0.729	1.258	4.938
	669	94	0.060	1.724	0.710	1.166	5.021
	670	94	0.056	2.021	0.692	1.361	5.332
E3F	751	93	0.088	1.956	0.757	1.385	5.650
	752	93	0.050	1.824	0.618	1.291	4.424
	753	93	0.062	2.011	0.849	1.511	6.039
	754	93	0.063	2.016	0.741	1.329	5.190
	755	93	0.068	1.939	0.694	1.372	5.352
	756	93	0.066	1.930	0.665	1.242	5.919
	757	93	0.070	1.843	0.681	1.195	4.972
	758	93	0.083	1.898	0.755	1.547	6.631
	759	93	0.049	1.882	0.727	1.338	4.647
	760	93	0.066	1.905	0.740	1.308	4.349
	761	94	0.049	1.944	0.662	1.350	4.887
	762	94	0.062	1.946	0.713	1.274	4.399
	763	94	0.060	1.905	0.715	1.223	4.919
	764	94	0.074	1.898	0.750	1.495	5.978
	765	94	0.058	1.737	0.754	1.434	5.602
	766	94	0.059	2.005	0.696	1.409	5.334
	767	94	0.074	1.825	0.695	1.385	6.109
	768	94	0.091	1.983	0.784	1.423	5.566
	769	94	0.054	1.914	0.723	1.472	5.959
	770	94	0.057	1.915	0.697	1.345	5.432

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal		Adrenal Glands	Brain	Heart	Kidneys	Liver
	ID	Day					
E6F	851	93	0.052	1.916	0.623	1.284	5.015
	852	93	0.049	1.828	0.579	1.168	4.425
	853	93	0.060	1.877	0.672	1.328	5.790
	854	93	0.050	1.808	0.689	1.118	5.214
	855	93	0.066	1.863	0.635	1.293	5.117
	856	93	0.051	1.829	0.676	1.171	4.891
	857	93	0.059	1.876	0.680	1.176	4.749
	858	93	0.061	1.708	0.547	1.171	3.970
	859	93	0.049	1.746	0.605	1.073	4.763
	860	93	0.057	1.791	0.625	1.335	5.817
	861	94	0.044	1.749	0.651	1.182	4.982
	862	94	0.056	1.881	0.677	1.301	4.935
	863	94	0.060	2.031	0.607	1.255	4.852
	864	94	0.062	1.788	0.649	1.230	4.942
	865	94	0.053	1.896	0.621	1.326	4.727
	866	94	0.041	1.835	0.569	1.166	4.805
	867	94	0.059	1.938	0.577	1.187	4.713
	868	94	0.053	1.743	0.556	0.996	4.442
	869	94	0.051	1.860	0.630	1.190	5.150
	870	94	0.062	1.775	0.605	1.283	5.335

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal		Lungs	Ovaries	Pituitary Gland	Salivary Gland	Spleen
	ID	Day					
CF	151	93	1.790	0.074	0.017	0.503	0.454
	152	93	2.340	0.088	0.019	0.448	0.349
	153	93	1.564	0.088	0.017	0.386	0.432
	154	93	2.139	0.082	0.018	0.446	0.496
	155	93	2.466	0.096	0.015	0.429	0.471
	156	93	2.252	0.104	0.020	0.466	0.363
	157	93	2.246	0.106	0.013	0.341	0.494
	158	93	1.696	0.076	0.016	0.410	0.430
	159	93	1.797	0.111	0.018	0.473	0.578
	160	93	1.526	0.098	0.016	0.432	0.470
	161	94	2.473	0.102	0.020	0.412	0.431
	162	94	1.715	0.093	0.015	0.436	0.412
	163	94	2.319	0.076	0.016	0.401	0.401
	164	94	2.662	0.090	0.018	0.411	0.471
	165	94	2.651	0.080	0.014	0.427	0.412
	166	94	2.409	0.077	0.017	0.486	0.423
	167	94	2.129	0.097	0.018	0.469	0.403
168	94	2.111	0.105	0.019	0.469	0.421	
169	94	1.871	0.133	0.019	0.523	0.485	
170	94	2.433	0.109	0.016	0.501	0.494	
NT6F	251	93	2.420	0.078	0.016	0.502	0.375
	252	93	2.136	0.090	0.014	0.493	0.400
	253	93	2.132	0.073	0.015	0.435	0.424
	254	93	2.164	0.081	0.016	0.445	0.452
	255	93	2.460	0.082	0.013	0.403	0.428
	256	93	1.976	0.084	0.016	0.463	0.408
	257	93	1.700	0.089	0.013	0.458	0.380
	258	93	2.439	0.078	0.017	0.445	0.512

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal		Lungs	Ovaries	Pituitary Gland	Salivary Gland	Spleen
	ID	Day					
NT6F	259	93	1.573	0.096	0.016	0.461	0.511
	260	93	1.328	0.080	0.013	0.371	0.354
	261	94	1.670	0.114	0.017	0.396	0.375
	262	94	1.502	0.094	0.014	0.505	0.339
	263	94	2.271	0.076	0.016	0.477	0.465
	264	94	1.602	0.114	0.014	0.354	0.498
	265	94	2.406	0.100	0.017	0.439	0.454
	266	94	2.372	0.099	0.011	0.433	0.448
	267	94	2.704	0.085	0.016	0.434	0.429
	268	94	2.081	0.079	0.018	0.490	0.399
	269	94	1.512	0.101	0.015	0.454	0.320
	270	94	2.441	0.084	0.015	0.377	0.377
B0.3F	351	93	2.160	0.112	0.018	0.442	0.488
	352	93	1.826	0.089	0.018	0.451	0.519
	353	93	2.482	0.076	0.017	0.469	0.360
	354	93	1.876	0.091	0.015	0.447	0.454
	355	93	2.751	0.093	0.017	0.500	0.562
	356	93	2.539	0.091	0.016	0.396	0.514
	357	93	1.771	0.098	0.015	0.455	0.523
	358	93	2.008	0.087	0.017	0.433	0.388
	359	93	2.715	0.084	0.016	0.488	0.532
	360	93	2.185	0.116	0.013	0.416	0.414
	361	94	2.357	0.101	0.018	0.506	0.510
	362	94	2.549	0.096	0.017	0.463	0.369
	363	94	1.854	0.096	0.017	0.444	0.406
	364	94	1.951	0.101	0.019	0.446	0.487
	365	94	2.437	0.102	0.016	0.424	0.459
	366	94	2.617	0.141	0.020	0.454	0.458

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal		Lungs	Ovaries	Pituitary Gland	Salivary Gland	Spleen
	ID	Day					
B0.3F	367	94	2.335	0.134	0.019	0.509	0.323
	368	94	1.934	0.137	0.018	0.536	0.497
	369	94	2.186	0.098	0.013	0.414	0.497
	370	94	1.816	0.118	0.015	0.459	0.378
B3F	451	93	1.819	0.090	0.015	0.420	0.372
	452	93	1.557	0.074	0.018	0.425	0.371
	453	93	2.590	0.079	0.018	0.489	0.390
	454	93	2.428	0.132	0.018	0.372	0.475
	456	93	2.206	0.082	0.018	0.467	0.380
	457	93	2.392	0.096	0.019	0.499	0.469
	458	93	2.156	0.094	0.021	0.457	0.395
	459	93	2.506	0.110	0.017	0.491	0.467
	460	93	2.019	0.098	0.012	0.424	0.430
	461	94	2.435	0.098	0.015	0.462	0.417
	462	94	1.723	0.088	0.016	0.437	0.385
	463	94	2.324	0.076	0.018	0.445	0.431
	464	94	2.034	0.086	0.016	0.482	0.443
	465	94	1.916	0.085	0.018	0.460	0.432
	466	94	2.725	0.099	0.018	0.508	0.446
	467	94	2.616	0.099	0.017	0.413	0.434
	468	94	2.446	0.099	0.016	0.469	0.542
469	94	2.846	0.108	0.020	0.555	0.496	
470	94	2.673	0.094	0.017	0.385	0.353	
B6F	551	93	1.979	0.090	0.015	0.452	0.424
	552	93	1.706	0.059	0.012	0.358	0.349
	553	93	1.576	0.082	0.015	0.498	0.421
	554	93	2.581	0.086	0.016	0.453	0.472
	555	93	1.859	0.053	0.020	0.566	0.431

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal		Lungs	Ovaries	Pituitary Gland	Salivary Gland	Spleen
	ID	Day					
B6F	556	93	2.021	0.107	0.017	0.510	0.356
	557	93	1.499	0.100	0.017	0.427	0.364
	558	93	2.248	0.106	0.018	0.489	0.417
	559	93	1.379	0.097	0.012	0.355	0.370
	560	93	2.027	0.080	0.015	0.370	0.426
	561	94	1.445	0.086	0.015	0.414	0.385
	562	94	2.174	0.076	0.013	0.426	0.411
	563	94	1.524	0.051	0.013	0.370	0.411
	564	94	2.473	0.081	0.013	0.453	0.406
	565	94	2.399	0.083	0.011	0.526	0.430
	566	94	2.242	0.091	0.015	0.410	0.545
	567	94	1.923	0.094	0.019	0.419	0.445
	568	94	1.677	0.074	0.015	0.460	0.447
	569	94	1.974	0.098	0.012	0.455	0.367
	570	94	1.602	0.105	0.015	0.465	0.445
E0.3F	651	93	2.257	0.109	0.014	0.544	0.419
	652	93	2.210	0.078	0.021	0.464	0.446
	653	93	2.506	0.087	0.017	0.482	0.440
	654	93	2.760	0.133	0.019	0.429	0.434
	655	93	1.766	0.126	0.017	0.413	0.471
	656	93	1.440	0.077	0.018	0.481	0.472
	657	93	1.638	0.112	0.016	0.448	0.401
	658	93	1.706	0.091	0.018	0.438	0.525
	659	93	1.897	0.080	0.013	0.412	0.380
	660	93	2.163	0.093	0.018	0.428	0.497
	661	94	2.031	0.096	0.014	0.423	0.404
	662	94	2.736	0.076	0.019	0.531	0.380
	663	94	2.628	0.084	0.020	0.427	0.458

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal		Lungs	Ovaries	Pituitary Gland	Salivary Gland	Spleen
	ID	Day					
E0.3F	664	94	2.459	0.113	0.020	0.459	0.445
	665	94	2.855	0.103	0.021	0.452	0.521
	666	94	2.281	0.099	0.016	0.329	0.462
	667	94	2.040	0.101	0.019	0.445	0.493
	668	94	2.455	0.083	0.018	0.427	0.385
	669	94	1.798	0.095	0.016	0.446	0.453
	670	94	2.219	0.094	0.017	0.418	0.403
E3F	751	93	2.755	0.093	0.016	0.454	0.480
	752	93	2.338	0.068	0.013	0.365	0.314
	753	93	2.876	0.065	0.015	0.474	0.571
	754	93	2.980	0.089	0.016	0.476	0.461
	755	93	2.006	0.114	0.014	0.441	0.522
	756	93	1.721	0.100	0.020	0.407	0.441
	757	93	1.766	0.079	0.013	0.425	0.356
	758	93	2.880	0.115	0.018	0.526	0.491
	759	93	1.543	0.106	0.013	0.396	0.386
	760	93	2.209	0.073	0.017	0.401	0.317
	761	94	2.370	0.081	0.019	0.477	0.362
	762	94	2.154	0.078	0.015	0.459	0.385
	763	94	2.004	0.086	0.017	0.461	0.455
	764	94	2.659	0.100	0.022	0.493	0.478
	765	94	2.241	0.074	0.023	0.481	0.524
	766	94	2.837	0.113	0.019	0.450	0.458
	767	94	1.620	0.108	0.018	0.516	0.508
	768	94	3.328	0.132	0.017	0.413	0.397
	769	94	2.770	0.126	0.020	0.490	0.431
	770	94	2.190	0.101	0.018	0.493	0.423

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal		Lungs	Ovaries	Pituitary Gland	Salivary Gland	Spleen
	ID	Day					
E6F	851	93	2.066	0.069	0.013	0.382	0.412
	852	93	1.399	0.073	0.015	0.522	0.375
	853	93	1.678	0.091	0.013	0.532	0.421
	854	93	2.215	0.075	0.015	0.426	0.335
	855	93	2.333	0.082	0.017	0.492	0.419
	856	93	1.496	0.079	0.016	0.430	0.442
	857	93	2.231	0.088	0.015	0.490	0.338
	858	93	1.727	0.089	0.014	0.457	0.360
	859	93	1.351	0.084	0.015	0.413	0.380
	860	93	1.993	0.094	0.012	0.451	0.426
	861	94	1.729	0.079	0.017	0.445	0.425
	862	94	2.054	0.083	0.018	0.437	0.410
	863	94	2.414	0.067	0.016	0.505	0.427
	864	94	2.301	0.097	0.015	0.443	0.471
	865	94	1.780	0.090	0.011	0.448	0.442
	866	94	1.946	0.077	0.016	0.448	0.337
	867	94	1.723	0.088	0.018	0.365	0.386
	868	94	1.449	0.063	0.014	0.419	0.427
	869	94	2.146	0.083	0.014	0.416	0.358
	870	94	1.753	0.082	0.017	0.443	0.387

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal		Thymus	Thyroid Glands	Uterus
	ID	Day			
CF	151	93	0.317	0.022	1.011
	152	93	0.307	0.030	0.866
	153	93	0.272	0.023	0.717
	154	93	0.353	0.031	2.664
	155	93	0.335	0.020	0.500
	156	93	0.356	0.019	0.606
	157	93	0.394	0.034	0.495
	158	93	0.284	0.025	0.653
	159	93	0.287	0.030	0.568
	160	93	0.346	0.026	0.826
	161	94	0.317	0.028	0.376
	162	94	0.297	0.030	0.467
	163	94	0.289	0.031	0.627
	164	94	0.449	0.030	0.521
	165	94	0.254	0.023	1.103
	166	94	0.248	0.015	0.462
	167	94	0.275	0.029	0.777
168	94	0.274	0.032	0.845	
169	94	0.328	0.022	1.324	
170	94	0.323	0.026	0.743	
NT6F	251	93	0.239	0.018	0.442
	252	93	0.302	0.017	0.723
	253	93	0.285	0.024	0.594
	254	93	0.275	0.017	1.071
	255	93	0.210	0.017	0.436
	256	93	0.227	0.017	0.430
	257	93	0.244	0.028	0.468
	258	93	0.275	0.026	0.392

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal		Thymus	Thyroid Glands	Uterus
	ID	Day			
NT6F	259	93	0.435	0.031	0.811
	260	93	0.177	0.017	0.387
	261	94	0.298	0.023	0.862
	262	94	0.223	0.028	1.534
	263	94	0.237	0.030	0.566
	264	94	0.257	0.022	0.398
	265	94	0.352	0.021	0.782
	266	94	0.385	0.021	0.678
	267	94	0.274	0.026	0.527
	268	94	0.338	0.034	0.978
	269	94	0.324	0.024	0.483
	270	94	0.237	0.029	0.456
B0.3F	351	93	0.341	0.036	0.610
	352	93	0.323	0.033	0.548
	353	93	0.252	0.025	0.788
	354	93	0.293	0.024	0.387
	355	93	0.397	0.036	0.520
	356	93	0.364	0.020	0.475
	357	93	0.323	0.027	0.568
	358	93	0.325	0.030	0.493
	359	93	0.368	0.032	0.451
	360	93	0.368	0.027	0.361
	361	94	0.339	0.023	0.507
	362	94	0.362	0.027	0.388
	363	94	0.319	0.025	0.733
	364	94	0.322	0.021	0.516
	365	94	0.288	0.025	0.729
	366	94	0.330	0.026	0.370

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal ID	Day	Thymus	Thyroid Glands	Uterus
B0.3F	367	94	0.281	0.022	0.524
	368	94	0.352	0.020	0.615
	369	94	0.297	0.025	0.404
	370	94	0.306	0.030	0.631
B3F	451	93	0.208	0.024	0.338
	452	93	0.321	0.033	1.533
	453	93	0.260	0.030	0.674
	454	93	0.279	0.022	0.506
	456	93	0.244	0.025	0.531
	457	93	0.388	0.015	0.470
	458	93	0.250	0.033	0.816
	459	93	0.254	0.030	0.499
	460	93	0.274	0.021	0.462
	461	94	0.237	0.030	0.687
	462	94	0.262	0.026	0.473
	463	94	0.232	0.025	1.178
	464	94	0.369	0.026	0.776
	465	94	0.379	0.025	0.570
	466	94	0.227	0.023	0.422
	467	94	0.344	0.022	0.560
	468	94	0.342	0.022	0.771
469	94	0.333	0.023	1.224	
470	94	0.328	0.024	0.831	
B6F	551	93	0.202	0.029	0.712
	552	93	0.207	0.023	1.475
	553	93	0.259	0.020	1.221
	554	93	0.400	0.024	0.378
	555	93	0.289	0.025	0.683

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal		Thymus	Thyroid Glands	Uterus
	ID	Day			
B6F	556	93	0.261	0.033	0.535
	557	93	0.279	0.028	0.778
	558	93	0.315	0.024	1.428
	559	93	0.239	0.027	0.738
	560	93	0.248	0.034	0.851
	561	94	0.242	0.023	0.353
	562	94	0.218	0.019	0.488
	563	94	0.236	0.025	0.761
	564	94	0.199	0.018	0.303
	565	94	0.270	0.022	0.414
	566	94	0.327	0.029	0.507
	567	94	0.398	0.029	2.034
	568	94	0.262	0.021	1.102
	569	94	0.351	0.027	0.418
	570	94	0.332	0.030	1.380
E0.3F	651	93	0.345	0.027	0.540
	652	93	0.432	0.028	0.542
	653	93	0.266	0.031	0.549
	654	93	0.331	0.029	1.061
	655	93	0.229	0.036	0.442
	656	93	0.447	0.023	1.359
	657	93	0.227	0.023	0.488
	658	93	0.434	0.024	1.079
	659	93	0.295	0.032	0.315
	660	93	0.300	0.029	0.822
	661	94	0.398	0.023	0.544
	662	94	0.345	0.022	1.081
	663	94	0.321	0.028	0.407

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal		Thymus	Thyroid Glands	Uterus
	ID	Day			
E0.3F	664	94	0.231	0.028	0.491
	665	94	0.337	0.026	0.627
	666	94	0.345	0.030	0.563
	667	94	0.425	0.025	0.404
	668	94	0.321	0.023	0.660
	669	94	0.216	0.027	0.681
	670	94	0.269	0.027	0.539
E3F	751	93	0.217	0.024	0.457
	752	93	0.202	0.026	0.402
	753	93	0.239	0.021	0.675
	754	93	0.271	0.032	0.963
	755	93	0.315	0.026	0.771
	756	93	0.191	0.026	0.789
	757	93	0.212	0.024	0.469
	758	93	0.314	0.030	1.270
	759	93	0.313	0.022	0.420
	760	93	0.238	0.027	0.471
	761	94	0.428	0.028	0.893
	762	94	0.210	0.031	0.484
	763	94	0.315	0.034	1.047
	764	94	0.339	0.028	0.763
	765	94	0.238	0.022	1.373
	766	94	0.273	0.030	1.528
	767	94	0.336	0.026	1.950
	768	94	0.309	0.029	0.813
	769	94	0.286	0.024	0.577
770	94	0.338	0.022	1.129	

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal ID	Day	Thymus	Thyroid Glands	Uterus
E6F	851	93	0.235	0.019	1.079
	852	93	0.237	0.018	1.034
	853	93	0.372	0.031	0.553
	854	93	0.319	0.027	0.529
	855	93	0.199	0.021	0.488
	856	93	0.221	0.019	0.370
	857	93	0.349	0.030	0.911
	858	93	0.244	0.026	1.059
	859	93	0.318	0.025	0.737
	860	93	0.336	0.023	0.871
	861	94	0.305	0.032	0.376
	862	94	0.334	0.028	0.370
	863	94	0.227	0.030	0.597
	864	94	0.340	0.019	0.942
	865	94	0.278	0.022	0.854
	866	94	0.247	0.024	0.422
	867	94	0.231	0.032	0.793
	868	94	0.297	0.030	0.841
	869	94	0.298	0.032	1.946
	870	94	0.233	0.023	0.677

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Males

Group	Animal ID	Day	Terminal					
			Body Weight	Adrenal Glands	Brain	Epididymides	Heart	Kidneys
CM	101	92	403.2	0.013	0.504	0.3289	0.328	0.594
	102	92	334.4	0.014	0.567	0.3470	0.314	0.616
	103	92	373.2	0.013	0.510	0.3442	0.267	0.590
	104	92	374.0	0.012	0.489	0.3258	0.295	0.681
	105	92	351.4	0.015	0.566	0.3535	0.422	0.554
	106	92	331.3	0.012	0.602	0.3716	0.256	0.506
	107	92	401.4	0.013	0.455	0.3102	0.312	0.567
	108	92	371.8	0.016	0.554	0.3530	0.294	0.527
	109	92	397.5	0.016	0.514	0.3197	0.260	0.514
	110	92	379.8	0.012	0.556	0.3276	0.275	0.560
	111	93	374.5	0.015	0.531	0.3193	0.292	0.574
	112	93	392.4	0.013	0.544	0.3055	0.248	0.525
	113	93	391.9	0.016	0.490	0.3587	0.292	0.588
	114	93	382.5	0.015	0.525	0.3233	0.290	0.581
	115	93	357.4	0.016	0.552	0.3127	0.318	0.603
	116	93	381.1	0.017	0.566	0.3856	0.299	0.664
	117	93	408.8	0.012	0.511	0.2975	0.270	0.514
	118	93	397.2	0.015	0.531	0.2804	0.263	0.567
	119	93	417.7	0.015	0.516	0.3284	0.291	0.551
	120	93	373.1	0.017	0.571	0.3811	0.353	0.555
NT6M	201	92	370.9	0.014	0.547	0.3477	0.304	0.606
	202	92	269.7	0.020	0.694	0.4934	0.349	0.608
	203	92	326.3	0.018	0.614	0.3434	0.316	0.616
	204	92	313.0	0.016	0.661	0.3932	0.282	0.589
	205	92	305.1	0.020	0.653	0.3716	0.310	0.666
	206	92	341.1	0.018	0.607	0.3343	0.277	0.564
	207	92	305.8	0.024	0.701	0.4041	0.322	0.606

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Males

Group	Animal ID	Day	Terminal					
			Body Weight	Adrenal Glands	Brain	Epididymides	Heart	Kidneys
NT6M	208	92	357.5	0.017	0.566	0.3332	0.272	0.553
	209	92	335.6	0.015	0.602	0.3771	0.262	0.564
	210	92	343.4	0.015	0.592	0.3909	0.283	0.560
	211	93	315.9	0.017	0.601	0.4177	0.302	0.650
	212	93	330.3	0.018	0.603	0.3948	0.331	0.632
	213	93	315.4	0.018	0.621	0.3902	0.270	0.624
	214	93	351.4	0.015	0.572	0.3144	0.279	0.533
	215	93	347.4	0.017	0.545	0.3313	0.282	0.652
	216	93	314.2	0.020	0.624	0.3456	0.271	0.573
	217	93	278.4	0.017	0.740	0.3972	0.289	0.560
	218	93	337.5	0.018	0.635	0.3916	0.265	0.570
	219	93	350.6	0.016	0.570	0.3464	0.280	0.588
	220	93	373.9	0.017	0.528	0.3355	0.259	0.528
B0.3M	301	92	420.1	0.015	0.519	0.3368	0.282	0.548
	302	92	395.6	0.016	0.525	0.3268	0.278	0.579
	303	92	401.4	0.012	0.526	0.3213	0.284	0.487
	304	92	336.3	0.013	0.554	0.3809	0.243	0.511
	305	92	379.9	0.015	0.533	0.3835	0.315	0.603
	306	92	403.3	0.013	0.522	0.2911	0.284	0.535
	307	92	360.5	0.013	0.558	0.2905	0.280	0.481
	308	92	435.0	0.012	0.491	0.3096	0.263	0.530
	309	92	401.8	0.016	0.519	0.3220	0.252	0.539
	310	92	353.9	0.019	0.580	0.3785	0.334	0.565
	311	93	385.2	0.016	0.546	0.3396	0.277	0.586
	312	93	365.2	0.013	0.545	0.3129	0.287	0.518
	313	93	315.5	0.013	0.622	0.4631	0.308	0.515
	314	93	401.2	0.011	0.527	0.3540	0.307	0.579

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Males

Group	Animal ID	Day	Terminal					
			Body Weight	Adrenal Glands	Brain	Epididymides	Heart	Kidneys
B0.3M	315	93	426.5	0.019	0.487	0.3139	0.277	0.509
	316	93	381.7	0.016	0.559	0.3105	0.282	0.574
	317	93	386.8	0.012	0.513	0.3269	0.265	0.622
	318	93	348.0	0.016	0.579	0.3051	0.260	0.534
	319	93	347.3	0.014	0.595	0.3494	0.271	0.570
	320	93	395.0	0.010	0.493	0.3637	0.282	0.500
B3M	401	92	294.0	0.016	0.626	0.4080	0.314	0.620
	402	92	380.6	0.018	0.520	0.3131	0.278	0.547
	403	92	349.3	0.015	0.592	0.3892	0.313	0.611
	404	92	369.2	0.019	0.575	0.3481	0.313	0.587
	405	92	362.3	0.015	0.524	0.3382	0.297	0.585
	406	92	326.4	0.016	0.596	0.3613	0.296	0.560
	407	92	339.4	0.016	0.625	0.3829	0.273	0.597
	408	92	371.5	0.014	0.576	0.3635	0.299	0.657
	409	92	333.7	0.017	0.628	0.3274	0.282	0.606
	410	92	364.3	0.015	0.608	0.4150	0.284	0.562
	411	93	395.1	0.012	0.509	0.3199	0.275	0.542
	412	93	377.5	0.020	0.570	0.3583	0.318	0.669
	413	93	329.3	0.017	0.582	0.3743	0.318	0.649
	414	93	322.7	0.019	0.570	0.4060	0.305	0.640
	415	93	340.8	0.015	0.597	0.3904	0.290	0.554
	416	93	386.9	0.019	0.563	0.3677	0.294	0.597
	417	93	366.4	0.011	0.546	0.3346	0.279	0.539
	418	93	292.8	0.015	0.662	0.4011	0.275	0.553
	419	93	387.1	0.017	0.565	0.2984	0.273	0.630
	420	93	381.7	0.018	0.554	0.3456	0.265	0.577

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Males

Group	Animal ID	Day	Terminal					
			Body Weight	Adrenal Glands	Brain	Epididymides	Heart	Kidneys
B6M	501	92	343.5	0.017	0.552	0.4101	0.312	0.593
	502	92	299.1	0.016	0.642	0.3380	0.292	0.621
	503	92	303.9	0.012	0.656	0.3927	0.328	0.601
	504	92	329.7	0.018	0.584	0.4148	0.322	0.666
	505	92	319.5	0.017	0.633	0.3572	0.277	0.573
	506	92	343.5	0.016	0.596	0.3659	0.319	0.598
	507	92	269.0	0.018	0.689	0.4596	0.318	0.601
	508	92	344.5	0.015	0.596	0.3416	0.284	0.579
	509	92	353.8	0.020	0.553	0.3369	0.292	0.627
	510	92	324.6	0.014	0.614	0.3565	0.285	0.563
	511	93	354.0	0.017	0.590	0.2957	0.243	0.572
	512	93	310.0	0.017	0.642	0.4293	0.295	0.608
	513	93	313.1	0.014	0.632	0.4326	0.279	0.600
	514	93	294.5	0.017	0.704	0.3892	0.341	0.734
	515	93	291.7	0.019	0.660	0.3761	0.290	0.655
	516	93	313.3	0.016	0.669	0.4214	0.300	0.674
	517	93	317.5	0.016	0.632	0.4070	0.308	0.552
	518	93	387.4	0.014	0.544	0.3388	0.260	0.525
	519	93	328.7	0.016	0.626	0.3704	0.280	0.562
	520	93	372.6	0.014	0.560	0.3789	0.281	0.566
E0.3M	601	92	341.2	0.014	0.553	0.3773	0.282	0.598
	602	92	374.6	0.019	0.561	0.3593	0.272	0.573
	603	92	369.9	0.019	0.546	0.2990	0.292	0.578
	604	92	370.9	0.014	0.560	0.3092	0.320	0.585
	605	92	350.3	0.018	0.581	0.4349	0.320	0.648
	606	92	357.7	0.015	0.567	0.3422	0.313	0.602
	607	92	329.8	0.016	0.609	0.4227	0.269	0.540

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Males

Group	Animal ID	Day	Terminal					
			Body Weight	Adrenal Glands	Brain	Epididymides	Heart	Kidneys
E0.3M	608	92	386.9	0.014	0.519	0.3474	0.297	0.566
	609	92	362.7	0.017	0.563	0.3782	0.286	0.583
	610	92	412.6	0.014	0.517	0.3496	0.288	0.552
	611	93	359.2	0.014	0.558	0.3031	0.269	0.543
	612	93	354.9	0.015	0.554	0.2797	0.338	0.585
	613	93	429.5	0.016	0.457	0.3260	0.280	0.497
	614	93	295.7	0.013	0.650	0.4450	0.295	0.671
	615	93	400.6	0.015	0.525	0.2964	0.311	0.551
	616	93	393.5	0.012	0.548	0.3467	0.276	0.561
	617	93	374.8	0.016	0.550	0.3292	0.278	0.530
	618	93	351.4	0.015	0.534	0.3925	0.269	0.593
	619	93	391.7	0.015	0.505	0.3157	0.280	0.522
	620	93	395.4	0.016	0.531	0.2807	0.285	0.523
E3M	701	92	361.7	0.019	0.587	0.3693	0.276	0.607
	702	92	351.1	0.014	0.580	0.3707	0.294	0.578
	703	92	340.9	0.018	0.607	0.4171	0.293	0.612
	704	92	358.2	0.019	0.588	0.3775	0.278	0.544
	705	92	363.4	0.015	0.550	0.3840	0.307	0.567
	706	92	324.0	0.018	0.615	0.3572	0.279	0.600
	707	92	381.4	0.015	0.574	0.3246	0.309	0.678
	708	92	347.9	0.015	0.571	0.4057	0.285	0.628
	709	92	390.0	0.014	0.526	0.3624	0.273	0.519
	710	92	361.1	0.015	0.554	0.3520	0.302	0.527
	711	93	362.6	0.013	0.521	0.3759	0.282	0.540
	712	93	380.0	0.014	0.542	0.3865	0.278	0.533
	713	93	353.7	0.014	0.599	0.3167	0.293	0.612
	714	93	374.5	0.018	0.564	0.3438	0.263	0.619

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Males

Group	Animal ID	Day	Terminal					
			Body Weight	Adrenal Glands	Brain	Epididymides	Heart	Kidneys
E3M	715	93	401.0	0.011	0.509	0.2965	0.289	0.606
	716	93	418.5	0.014	0.504	0.2866	0.258	0.585
	717	93	328.7	0.016	0.611	0.3441	0.291	0.621
	718	93	316.4	0.013	0.637	0.3701	0.263	0.575
	719	93	455.1	0.012	0.480	0.3769	0.235	0.572
	720	93	335.0	0.014	0.611	0.3524	0.299	0.545
	E6M	801	92	321.2	0.019	0.611	0.4075	0.278
802		92	372.9	0.014	0.551	0.3423	0.257	0.537
803		92	328.4	0.020	0.574	0.3773	0.279	0.622
804		92	343.2	0.021	0.623	0.3488	0.348	0.641
805		92	345.9	0.013	0.564	0.3471	0.271	0.544
806		92	344.6	0.013	0.596	0.3883	0.279	0.606
807		92	334.0	0.014	0.608	0.3255	0.259	0.589
808		92	341.1	0.017	0.618	0.3553	0.242	0.517
809		92	342.1	0.018	0.594	0.3693	0.263	0.525
810		92	327.9	0.018	0.588	0.3160	0.294	0.560
811		93	350.5	0.016	0.572	0.3676	0.285	0.558
812		93	339.1	0.014	0.609	0.3840	0.315	0.759
813		93	359.3	0.015	0.557	0.2359	0.361	0.591
814		93	339.5	0.016	0.597	0.3841	0.279	0.599
815		93	365.8	0.022	0.602	0.3343	0.266	0.610
816		93	346.2	0.012	0.560	0.3400	0.262	0.586
817		93	347.8	0.014	0.573	0.3500	0.295	0.556
818		93	357.5	0.015	0.563	0.3528	0.271	0.663
819		93	338.4	0.013	0.593	0.3695	0.269	0.602
820		93	350.8	0.014	0.590	0.3253	0.300	0.641

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Males

Group	Animal ID	Day	Terminal		Liver	Lungs	Pituitary Gland	Prostate	Salivary Gland
			Body Weight						
CM	101	92	403.2		2.221	0.762	0.003	0.260	0.150
	102	92	334.4		2.272	0.529	0.004	0.356	0.171
	103	92	373.2		2.328	0.958	0.003	0.323	0.184
	104	92	374.0		2.622	0.856	0.003	0.273	0.173
	105	92	351.4		2.431	1.112	0.003	0.348	0.183
	106	92	331.3		1.958	0.732	0.004	0.284	0.178
	107	92	401.4		2.293	0.905	0.003	0.287	0.149
	108	92	371.8		2.236	0.726	0.003	0.302	0.161
	109	92	397.5		2.210	0.861	0.003	0.347	0.125
	110	92	379.8		2.263	0.993	0.004	0.313	0.159
	111	93	374.5		2.437	0.616	0.004	0.352	0.170
	112	93	392.4		2.156	1.071	0.003	0.291	0.181
	113	93	391.9		2.348	0.946	0.003	0.262	0.162
	114	93	382.5		2.338	0.762	0.003	0.323	0.173
	115	93	357.4		2.404	0.899	0.004	0.287	0.163
	116	93	381.1		2.437	0.747	0.003	0.272	0.190
	117	93	408.8		2.163	0.612	0.003	0.302	0.170
	118	93	397.2		2.157	0.559	0.003	0.253	0.174
	119	93	417.7		2.132	0.905	0.003	0.309	0.160
	120	93	373.1		2.347	0.908	0.005	0.269	0.173
NT6M	201	92	370.9		2.327	0.544	0.004	0.290	0.168
	202	92	269.7		2.313	1.006	0.004	0.307	0.240
	203	92	326.3		2.534	1.095	0.004	0.303	0.192
	204	92	313.0		2.330	0.930	0.003	0.267	0.223
	205	92	305.1		2.415	1.017	0.003	0.280	0.209
	206	92	341.1		2.129	0.974	0.003	0.242	0.191
	207	92	305.8		2.083	1.052	0.005	0.285	0.222

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Males

Group	Animal ID	Day	Terminal		Liver	Lungs	Pituitary Gland	Prostate	Salivary Gland
			Body Weight						
NT6M	208	92	357.5		2.064	0.957	0.003	0.332	0.194
	209	92	335.6		2.051	1.093	0.004	0.254	0.189
	210	92	343.4		2.213	0.980	0.003	0.308	0.200
	211	93	315.9		2.343	0.609	0.003	0.322	0.187
	212	93	330.3		2.179	0.975	0.003	0.261	0.202
	213	93	315.4		2.330	0.574	0.004	0.315	0.214
	214	93	351.4		1.858	0.907	0.005	0.342	0.184
	215	93	347.4		2.233	0.716	0.004	0.301	0.187
	216	93	314.2		2.211	0.964	0.004	0.254	0.187
	217	93	278.4		2.111	0.800	0.004	0.298	0.179
	218	93	337.5		2.130	0.695	0.003	0.371	0.220
	219	93	350.6		2.233	0.815	0.004	0.369	0.179
	220	93	373.9		2.809	0.803	0.003	0.256	0.173
B0.3M	301	92	420.1		2.344	0.911	0.002	0.328	0.207
	302	92	395.6		2.314	0.999	0.003	0.289	0.176
	303	92	401.4		2.059	0.583	0.002	0.314	0.170
	304	92	336.3		2.075	0.862	0.004	0.375	0.159
	305	92	379.9		2.357	1.014	0.003	0.314	0.188
	306	92	403.3		2.425	1.043	0.003	0.280	0.161
	307	92	360.5		2.103	0.755	0.003	0.337	0.148
	308	92	435.0		1.963	0.915	0.003	0.278	0.149
	309	92	401.8		2.148	0.821	0.003	0.382	0.184
	310	92	353.9		2.418	1.044	0.003	0.377	0.209
	311	93	385.2		2.196	0.620	0.003	0.368	0.159
	312	93	365.2		2.154	0.584	0.004	0.280	0.193
	313	93	315.5		2.235	0.845	0.002	0.305	0.163
	314	93	401.2		2.318	0.663	0.003	0.287	0.170

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Males

Group	Animal ID	Day	Terminal		Liver	Lungs	Pituitary Gland	Prostate	Salivary Gland
			Body Weight						
B0.3M	315	93	426.5		2.162	0.786	0.003	0.287	0.136
	316	93	381.7		2.371	0.841	0.004	0.262	0.159
	317	93	386.8		2.577	0.614	0.003	0.364	0.158
	318	93	348.0		2.007	0.746	0.002	0.402	0.182
	319	93	347.3		2.122	0.996	0.003	0.324	0.162
	320	93	395.0		2.231	0.644	0.003	0.280	0.141
B3M	401	92	294.0		2.357	0.830	0.003	0.321	0.207
	402	92	380.6		2.318	0.719	0.004	0.340	0.171
	403	92	349.3		2.468	0.797	0.003	0.283	0.189
	404	92	369.2		2.255	0.991	0.004	0.373	0.170
	405	92	362.3		2.418	0.947	0.003	0.395	0.202
	406	92	326.4		2.158	0.970	0.003	0.224	0.174
	407	92	339.4		2.483	0.622	0.003	0.388	0.205
	408	92	371.5		2.297	0.980	0.003	0.348	0.175
	409	92	333.7		2.366	0.847	0.004	0.354	0.195
	410	92	364.3		2.128	0.914	0.004	0.365	0.217
	411	93	395.1		2.233	0.567	0.004	0.260	0.188
	412	93	377.5		2.860	1.171	0.004	0.309	0.218
	413	93	329.3		2.383	0.612	0.003	0.362	0.165
	414	93	322.7		2.561	1.083	0.004	0.286	0.216
	415	93	340.8		2.160	0.870	0.004	0.280	0.176
	416	93	386.9		2.498	0.524	0.004	0.359	0.218
417	93	366.4		2.096	0.866	0.003	0.295	0.185	
418	93	292.8		2.082	0.804	0.004	0.275	0.200	
419	93	387.1		2.470	1.058	0.004	0.257	0.176	
420	93	381.7		2.241	0.647	0.004	0.334	0.168	

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Males

Group	Animal ID	Day	Terminal		Liver	Lungs	Pituitary Gland	Prostate	Salivary Gland
			Body Weight						
B6M	501	92	343.5		2.158	0.820	0.003	0.258	0.168
	502	92	299.1		2.305	1.054	0.003	0.267	0.192
	503	92	303.9		2.248	0.838	0.004	0.319	0.203
	504	92	329.7		2.342	0.959	0.005	0.394	0.192
	505	92	319.5		2.216	1.142	0.006	0.345	0.206
	506	92	343.5		2.266	0.770	0.004	0.376	0.186
	507	92	269.0		2.159	1.025	0.003	0.387	0.250
	508	92	344.5		2.267	0.968	0.005	0.361	0.229
	509	92	353.8		2.667	1.049	0.004	0.336	0.261
	510	92	324.6		2.400	0.953	0.005	0.274	0.200
	511	93	354.0		2.268	0.743	0.003	0.214	0.206
	512	93	310.0		2.125	0.679	0.003	0.449	0.204
	513	93	313.1		2.115	1.260	0.004	0.345	0.232
	514	93	294.5		2.631	1.277	0.005	0.368	0.196
	515	93	291.7		2.270	0.702	0.004	0.293	0.223
	516	93	313.3		2.154	0.908	0.003	0.257	0.196
	517	93	317.5		2.125	0.669	0.004	0.298	0.176
	518	93	387.4		2.313	0.669	0.004	0.290	0.163
	519	93	328.7		2.222	0.737	0.003	0.287	0.184
	520	93	372.6		2.266	0.811	0.003	0.286	0.203
E0.3M	601	92	341.2		2.215	0.614	0.003	0.381	0.160
	602	92	374.6		2.298	0.850	0.004	0.310	0.198
	603	92	369.9		2.247	0.727	0.003	0.323	0.155
	604	92	370.9		2.426	0.918	0.004	0.282	0.167
	605	92	350.3		2.607	0.986	0.003	0.340	0.205
	606	92	357.7		2.431	0.906	0.004	0.290	0.191
	607	92	329.8		2.003	0.933	0.004	0.337	0.166

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Males

Group	Animal ID	Day	Terminal		Liver	Lungs	Pituitary Gland	Prostate	Salivary Gland
			Body Weight						
E0.3M	608	92	386.9		2.223	0.951	0.003	0.331	0.171
	609	92	362.7		2.173	0.796	0.004	0.270	0.194
	610	92	412.6		2.303	0.688	0.003	0.341	0.156
	611	93	359.2		2.030	0.947	0.003	0.370	0.187
	612	93	354.9		2.334	0.680	0.004	0.312	0.202
	613	93	429.5		2.077	0.992	0.004	0.302	0.205
	614	93	295.7		2.645	0.746	0.003	0.370	0.183
	615	93	400.6		2.176	0.927	0.003	0.262	0.185
	616	93	393.5		2.453	0.624	0.003	0.336	0.185
	617	93	374.8		2.088	0.902	0.003	0.263	0.166
	618	93	351.4		1.951	0.619	0.004	0.284	0.153
	619	93	391.7		2.226	0.698	0.003	0.345	0.161
	620	93	395.4		2.268	0.773	0.003	0.257	0.156
E3M	701	92	361.7		2.258	0.863	0.004	0.278	0.191
	702	92	351.1		2.303	0.893	0.003	0.391	0.201
	703	92	340.9		2.255	0.973	0.003	0.410	0.185
	704	92	358.2		2.298	0.979	0.003	0.315	0.190
	705	92	363.4		2.197	0.661	0.003	0.394	0.199
	706	92	324.0		2.208	0.985	0.004	0.378	0.175
	707	92	381.4		2.733	1.185	0.003	0.407	0.211
	708	92	347.9		2.262	0.956	0.003	0.289	0.175
	709	92	390.0		2.091	0.468	0.004	0.320	0.179
	710	92	361.1		2.208	0.844	0.003	0.366	0.188
	711	93	362.6		2.186	0.725	0.003	0.289	0.134
	712	93	380.0		2.148	0.947	0.003	0.378	0.169
	713	93	353.7		2.201	0.686	0.003	0.342	0.187
	714	93	374.5		2.270	0.599	0.003	0.288	0.164

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Males

Group	Animal ID	Day	Terminal		Liver	Lungs	Pituitary Gland	Prostate	Salivary Gland
			Body Weight						
E3M	715	93	401.0		2.643	0.909	0.004	0.240	0.202
	716	93	418.5		2.529	0.864	0.003	0.318	0.173
	717	93	328.7		2.223	0.942	0.003	0.308	0.203
	718	93	316.4		2.074	0.754	0.003	0.335	0.185
	719	93	455.1		2.253	0.697	0.004	0.291	0.170
	720	93	335.0		1.921	0.931	0.004	0.271	0.185
	E6M	801	92	321.2		2.182	0.939	0.003	0.290
802		92	372.9		2.186	0.845	0.002	0.259	0.190
803		92	328.4		2.257	0.893	0.002	0.367	0.193
804		92	343.2		2.536	1.062	0.005	0.332	0.207
805		92	345.9		2.176	0.643	0.003	0.257	0.183
806		92	344.6		2.285	1.035	0.003	0.315	0.196
807		92	334.0		1.909	0.914	0.003	0.301	0.185
808		92	341.1		1.965	0.798	0.004	0.365	0.201
809		92	342.1		2.053	0.841	0.003	0.354	0.191
810		92	327.9		2.419	1.091	0.002	0.308	0.178
811		93	350.5		2.121	0.770	0.003	0.352	0.185
812		93	339.1		2.298	0.964	0.003	0.288	0.186
813		93	359.3		2.371	1.083	0.004	0.309	0.187
814		93	339.5		2.087	0.915	0.003	0.388	0.175
815		93	365.8		2.129	0.844	0.003	0.336	0.204
816		93	346.2		2.607	0.704	0.003	0.171	0.166
817		93	347.8		2.255	0.735	0.003	0.270	0.176
818		93	357.5		2.301	0.711	0.005	0.222	0.190
819		93	338.4		2.537	0.601	0.003	0.259	0.208
820		93	350.8		2.906	0.976	0.003	0.249	0.171

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Males

Group	Animal ID	Day	Terminal Body Weight	Seminal Vesicles	Spleen	Testes	Thymus	Thyroid Glands
CM	101	92	403.2	0.339	0.148	0.851	0.120	0.006
	102	92	334.4	0.395	0.179	0.983	0.110	0.008
	103	92	373.2	0.412	0.148	1.004	0.090	0.009
	104	92	374.0	0.292	0.175	0.975	0.106	0.009
	105	92	351.4	0.416	0.151	1.140	0.107	0.009
	106	92	331.3	0.299	0.155	0.932	0.098	0.008
	107	92	401.4	0.245	0.145	0.932	0.105	0.010
	108	92	371.8	0.316	0.187	1.051	0.089	0.008
	109	92	397.5	0.408	0.148	0.939	0.081	0.006
	110	92	379.8	0.336	0.156	0.873	0.092	0.010
	111	93	374.5	0.380	0.161	0.838	0.087	0.010
	112	93	392.4	0.294	0.136	0.887	0.099	0.009
	113	93	391.9	0.326	0.153	0.899	0.089	0.009
	114	93	382.5	0.350	0.136	0.898	0.108	0.010
	115	93	357.4	0.293	0.145	0.933	0.115	0.007
	116	93	381.1	0.310	0.161	1.125	0.144	0.008
	117	93	408.8	0.349	0.128	0.896	0.115	0.007
	118	93	397.2	0.297	0.137	0.727	0.098	0.009
	119	93	417.7	0.341	0.175	1.016	0.101	0.006
	120	93	373.1	0.327	0.181	1.127	0.123	0.009
NT6M	201	92	370.9	0.317	0.193	1.028	0.124	0.007
	202	92	269.7	0.448	0.177	1.390	0.076	0.013
	203	92	326.3	0.251	0.165	1.120	0.077	0.012
	204	92	313.0	0.419	0.150	1.056	0.091	0.014
	205	92	305.1	0.361	0.217	1.375	0.114	0.006
	206	92	341.1	0.342	0.154	0.930	0.117	0.009
	207	92	305.8	0.305	0.119	1.213	0.097	0.012

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Males

Group	Animal ID	Day	Terminal Body Weight	Seminal Vesicles	Spleen	Testes	Thymus	Thyroid Glands
NT6M	208	92	357.5	0.333	0.168	1.025	0.088	0.007
	209	92	335.6	0.262	0.167	1.125	0.106	0.009
	210	92	343.4	0.362	0.155	1.166	0.103	0.007
	211	93	315.9	0.333	0.152	1.244	0.125	0.010
	212	93	330.3	0.345	0.192	1.032	0.094	0.010
	213	93	315.4	0.252	0.182	1.238	0.108	0.010
	214	93	351.4	0.335	0.167	1.019	0.100	0.009
	215	93	347.4	0.385	0.188	1.184	0.100	0.009
	216	93	314.2	0.298	0.142	1.008	0.118	0.008
	217	93	278.4	0.427	0.141	1.183	0.099	0.009
	218	93	337.5	0.384	0.175	1.118	0.104	0.008
	219	93	350.6	0.266	0.192	0.986	0.089	0.009
	220	93	373.9	0.260	0.164	0.951	0.073	0.009
B0.3M	301	92	420.1	0.346	0.174	0.979	0.092	0.005
	302	92	395.6	0.312	0.200	0.896	0.105	0.007
	303	92	401.4	0.279	0.129	0.875	0.095	0.009
	304	92	336.3	0.306	0.139	1.111	0.116	0.012
	305	92	379.9	0.365	0.136	1.056	0.109	0.008
	306	92	403.3	0.276	0.171	0.962	0.130	0.009
	307	92	360.5	0.218	0.167	0.985	0.093	0.006
	308	92	435.0	0.235	0.153	0.935	0.107	0.007
	309	92	401.8	0.324	0.158	0.952	0.075	0.008
	310	92	353.9	0.301	0.167	0.930	0.109	0.008
	311	93	385.2	0.332	0.168	1.058	0.089	0.009
	312	93	365.2	0.280	0.166	0.918	0.130	0.008
	313	93	315.5	0.408	0.254	1.195	0.136	0.011
	314	93	401.2	0.319	0.166	0.875	0.111	0.008

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Males

Group	Animal ID	Day	Terminal Body Weight	Seminal Vesicles	Spleen	Testes	Thymus	Thyroid Glands
B0.3M	315	93	426.5	0.246	0.122	0.897	0.109	0.005
	316	93	381.7	0.227	0.234	0.976	0.110	0.009
	317	93	386.8	0.360	0.176	0.948	0.104	0.006
	318	93	348.0	0.373	0.157	1.022	0.086	0.007
	319	93	347.3	0.284	0.189	1.000	0.111	0.008
	320	93	395.0	0.183	0.140	0.863	0.117	0.007
B3M	401	92	294.0	0.358	0.169	1.147	0.112	0.011
	402	92	380.6	0.358	0.151	0.919	0.087	0.010
	403	92	349.3	0.411	0.178	1.100	0.168	0.011
	404	92	369.2	0.285	0.158	1.039	0.088	0.008
	405	92	362.3	0.316	0.191	0.944	0.096	0.009
	406	92	326.4	0.275	0.174	1.105	0.150	0.010
	407	92	339.4	0.393	0.146	1.145	0.105	0.010
	408	92	371.5	0.367	0.167	1.082	0.090	0.010
	409	92	333.7	0.224	0.178	1.119	0.084	0.011
	410	92	364.3	0.328	0.172	1.134	0.077	0.010
	411	93	395.1	0.272	0.166	0.974	0.099	0.009
	412	93	377.5	0.363	0.173	0.989	0.082	0.010
	413	93	329.3	0.434	0.194	1.195	0.090	0.007
	414	93	322.7	0.379	0.181	1.185	0.120	0.008
	415	93	340.8	0.227	0.192	1.163	0.091	0.010
	416	93	386.9	0.320	0.171	1.049	0.071	0.007
	417	93	366.4	0.307	0.185	1.012	0.084	0.009
	418	93	292.8	0.357	0.152	1.135	0.115	0.008
419	93	387.1	0.331	0.184	0.946	0.076	0.007	
420	93	381.7	0.395	0.159	1.054	0.080	0.008	

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Males

Group	Animal ID	Day	Terminal Body Weight	Seminal Vesicles	Spleen	Testes	Thymus	Thyroid Glands
B6M	501	92	343.5	0.361	0.166	1.192	0.102	0.008
	502	92	299.1	0.393	0.166	1.078	0.112	0.012
	503	92	303.9	0.528	0.195	1.211	0.104	0.007
	504	92	329.7	0.393	0.193	1.234	0.123	0.005
	505	92	319.5	0.348	0.155	1.150	0.089	0.012
	506	92	343.5	0.343	0.169	0.985	0.085	0.008
	507	92	269.0	0.308	0.201	1.364	0.134	0.008
	508	92	344.5	0.324	0.158	0.980	0.117	0.007
	509	92	353.8	0.317	0.162	1.079	0.112	0.010
	510	92	324.6	0.341	0.155	1.116	0.094	0.008
	511	93	354.0	0.003	0.184	0.939	0.097	0.007
	512	93	310.0	0.376	0.178	1.254	0.078	0.008
	513	93	313.1	0.321	0.148	1.163	0.135	0.009
	514	93	294.5	0.380	0.152	1.287	0.078	0.012
	515	93	291.7	0.258	0.164	1.169	0.095	0.008
	516	93	313.3	0.395	0.194	1.257	0.113	0.009
	517	93	317.5	0.232	0.168	1.233	0.129	0.007
	518	93	387.4	0.233	0.164	0.912	0.114	0.009
	519	93	328.7	0.185	0.216	1.128	0.113	0.007
	520	93	372.6	0.317	0.131	1.097	0.132	0.006
E0.3M	601	92	341.2	0.396	0.158	1.024	0.096	0.008
	602	92	374.6	0.373	0.179	1.020	0.168	0.009
	603	92	369.9	0.339	0.177	0.949	0.123	0.007
	604	92	370.9	0.329	0.149	0.892	0.107	0.007
	605	92	350.3	0.352	0.201	1.175	0.098	0.007
	606	92	357.7	0.337	0.136	1.006	0.118	0.010
	607	92	329.8	0.329	0.152	1.055	0.116	0.008

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Males

Group	Animal ID	Day	Terminal					Thyroid Glands
			Body Weight	Seminal Vesicles	Spleen	Testes	Thymus	
E0.3M	608	92	386.9	0.268	0.158	0.879	0.101	0.012
	609	92	362.7	0.295	0.181	1.077	0.095	0.006
	610	92	412.6	0.310	0.199	0.932	0.097	0.005
	611	93	359.2	0.217	0.153	0.933	0.100	0.012
	612	93	354.9	0.337	0.175	0.970	0.096	0.011
	613	93	429.5	0.278	0.160	1.038	0.106	0.008
	614	93	295.7	0.370	0.190	1.124	0.119	0.008
	615	93	400.6	0.300	0.163	0.964	0.132	0.007
	616	93	393.5	0.312	0.188	0.989	0.121	0.008
	617	93	374.8	0.295	0.154	0.894	0.088	0.005
	618	93	351.4	0.406	0.173	0.993	0.127	0.010
	619	93	391.7	0.370	0.162	0.997	0.089	0.008
620	93	395.4	0.302	0.153	0.907	0.088	0.007	
E3M	701	92	361.7	0.233	0.168	1.025	0.068	0.009
	702	92	351.1	0.338	0.167	1.008	0.105	0.008
	703	92	340.9	0.341	0.172	1.184	0.117	0.014
	704	92	358.2	0.279	0.171	1.042	0.108	0.009
	705	92	363.4	0.406	0.172	1.049	0.099	0.008
	706	92	324.0	0.390	0.156	1.054	0.091	0.011
	707	92	381.4	0.441	0.189	1.012	0.105	0.008
	708	92	347.9	0.374	0.193	1.127	0.133	0.008
	709	92	390.0	0.275	0.176	1.001	0.111	0.010
	710	92	361.1	0.330	0.187	1.069	0.139	0.012
	711	93	362.6	0.415	0.169	1.015	0.087	0.007
	712	93	380.0	0.336	0.164	1.084	0.082	0.007
	713	93	353.7	0.466	0.173	1.009	0.100	0.010
	714	93	374.5	0.388	0.163	1.032	0.110	0.007

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Males

Group	Animal ID	Day	Terminal Body Weight	Seminal Vesicles	Spleen	Testes	Thymus	Thyroid Glands
E3M	715	93	401.0	0.289	0.156	0.903	0.118	0.010
	716	93	418.5	0.327	0.165	0.823	0.104	0.009
	717	93	328.7	0.353	0.206	1.114	0.110	0.009
	718	93	316.4	0.265	0.174	1.103	0.091	0.008
	719	93	455.1	0.353	0.174	0.945	0.110	0.007
	720	93	335.0	0.319	0.148	1.008	0.092	0.009
E6M	801	92	321.2	0.374	0.169	1.109	0.100	0.009
	802	92	372.9	0.245	0.159	0.881	0.142	0.006
	803	92	328.4	0.354	0.206	1.094	0.094	0.009
	804	92	343.2	0.293	0.165	1.079	0.116	0.009
	805	92	345.9	0.390	0.144	1.109	0.095	0.009
	806	92	344.6	0.343	0.188	1.200	0.058	0.007
	807	92	334.0	0.361	0.148	0.999	0.109	0.004
	808	92	341.1	0.384	0.137	1.159	0.080	0.007
	809	92	342.1	0.252	0.182	1.051	0.143	0.006
	810	92	327.9	0.355	0.150	1.011	0.073	0.007
	811	93	350.5	0.311	0.164	0.920	0.109	0.007
	812	93	339.1	0.287	0.194	1.227	0.086	0.007
	813	93	359.3	0.331	0.154	0.211	0.083	0.007
	814	93	339.5	0.347	0.156	1.052	0.095	0.005
	815	93	365.8	0.310	0.156	0.969	0.092	0.005
	816	93	346.2	0.248	0.165	0.917	0.105	0.011
	817	93	347.8	0.299	0.160	1.120	0.097	0.009
	818	93	357.5	0.300	0.149	1.048	0.114	0.008
	819	93	338.4	0.314	0.160	1.238	0.126	0.007
	820	93	350.8	0.229	0.156	1.072	0.111	0.008

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Females

Group	Animal ID	Day	Terminal Body Weight	Adrenal Glands	Brain	Heart	Kidneys	Liver
CF	151	93	205.9	0.027	0.876	0.322	0.599	2.517
	152	93	213.0	0.030	0.877	0.348	0.663	2.456
	153	93	192.3	0.029	0.910	0.353	0.641	2.496
	154	93	199.6	0.037	0.956	0.368	0.665	2.639
	155	93	229.1	0.022	0.846	0.320	0.668	2.290
	156	93	213.4	0.026	0.885	0.317	0.598	2.706
	157	93	211.0	0.027	0.833	0.336	0.597	2.402
	158	93	202.4	0.028	0.921	0.319	0.694	2.510
	159	93	225.6	0.028	0.838	0.387	0.609	2.448
	160	93	216.0	0.033	0.863	0.322	0.627	2.350
	161	94	239.8	0.029	0.839	0.309	0.582	2.248
	162	94	236.7	0.023	0.792	0.323	0.556	2.259
	163	94	178.4	0.031	1.017	0.386	0.678	2.581
	164	94	216.7	0.036	0.886	0.365	0.707	2.576
	165	94	196.3	0.033	0.969	0.411	0.727	2.571
	166	94	218.9	0.027	0.888	0.343	0.603	2.458
	167	94	208.3	0.031	0.868	0.364	0.655	2.517
168	94	227.8	0.026	0.824	0.302	0.578	2.291	
169	94	234.0	0.030	0.854	0.346	0.738	2.727	
170	94	216.1	0.043	0.925	0.333	0.662	2.766	
NT6F	251	93	188.9	0.030	1.014	0.354	0.587	2.456
	252	93	194.2	0.030	0.896	0.340	0.671	2.801
	253	93	173.1	0.028	1.071	0.336	0.614	2.581
	254	93	191.3	0.029	0.979	0.319	0.672	2.787
	255	93	187.7	0.027	0.975	0.328	0.656	2.673
	256	93	182.8	0.033	1.066	0.393	0.707	2.561
	257	93	185.4	0.034	1.096	0.367	0.682	2.567

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Females

Group	Animal ID	Day	Terminal					
			Body Weight	Adrenal Glands	Brain	Heart	Kidneys	Liver
NT6F	258	93	224.2	0.026	0.879	0.308	0.551	2.315
	259	93	195.0	0.020	0.863	0.293	0.612	2.769
	260	93	163.8	0.031	1.046	0.324	0.599	2.145
	261	94	189.0	0.034	0.969	0.333	0.595	2.382
	262	94	191.2	0.030	0.977	0.355	0.628	2.613
	263	94	197.4	0.025	0.928	0.381	0.635	2.567
	264	94	189.2	0.028	0.942	0.324	0.578	2.326
	265	94	203.7	0.029	0.952	0.382	0.688	2.853
	266	94	195.4	0.035	0.934	0.336	0.575	2.503
	267	94	200.7	0.026	0.935	0.354	0.716	2.721
	268	94	191.3	0.025	0.917	0.317	0.600	2.412
	269	94	177.1	0.039	1.008	0.360	0.692	2.494
	270	94	187.9	0.029	0.969	0.389	0.658	2.559
B0.3F	351	93	204.9	0.042	0.821	0.333	0.629	2.601
	352	93	224.3	0.028	0.838	0.329	0.693	2.619
	353	93	208.0	0.034	0.885	0.388	0.613	2.646
	354	93	208.3	0.031	0.886	0.347	0.706	2.665
	355	93	230.5	0.028	0.773	0.336	0.604	2.639
	356	93	204.3	0.033	0.869	0.366	0.593	2.396
	357	93	197.8	0.032	0.897	0.354	0.615	2.375
	358	93	208.2	0.027	0.810	0.311	0.572	2.516
	359	93	223.6	0.031	0.883	0.369	0.648	2.540
	360	93	213.7	0.027	0.824	0.364	0.620	2.444
	361	94	235.9	0.033	0.830	0.334	0.655	2.388
	362	94	216.9	0.028	0.870	0.354	0.660	2.458
	363	94	200.0	0.029	0.949	0.373	0.721	2.792
	364	94	227.6	0.022	0.842	0.347	0.662	2.286

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Females

Group	Animal ID	Day	Terminal Body Weight	Adrenal Glands	Brain	Heart	Kidneys	Liver
B0.3F	365	94	204.9	0.030	0.922	0.309	0.583	2.453
	366	94	216.0	0.032	0.850	0.323	0.629	2.522
	367	94	207.6	0.028	0.939	0.347	0.684	2.707
	368	94	217.8	0.032	0.914	0.351	0.719	2.590
	369	94	199.4	0.025	0.908	0.323	0.658	2.600
	370	94	195.4	0.038	1.023	0.366	0.749	2.649
B3F	451	93	174.9	0.026	1.020	0.366	0.659	2.490
	452	93	202.3	0.030	0.881	0.324	0.661	2.555
	453	93	200.7	0.037	0.913	0.347	0.657	2.486
	454	93	185.1	0.030	1.014	0.378	0.717	2.645
	456	93	194.3	0.040	0.983	0.361	0.648	2.649
	457	93	219.3	0.033	0.897	0.366	0.727	2.439
	458	93	183.1	0.036	1.045	0.345	0.653	2.594
	459	93	226.3	0.027	0.811	0.352	0.615	2.488
	460	93	186.2	0.030	1.041	0.328	0.624	2.638
	461	94	175.7	0.038	1.103	0.378	0.672	2.671
	462	94	185.5	0.038	0.993	0.380	0.714	2.677
	463	94	187.2	0.035	0.943	0.432	0.740	2.727
	464	94	194.2	0.035	1.008	0.325	0.655	2.663
	465	94	199.2	0.034	0.848	0.357	0.700	2.615
	466	94	207.2	0.030	0.930	0.371	0.633	2.397
	467	94	200.9	0.034	0.899	0.341	0.633	2.993
	468	94	210.2	0.035	0.972	0.338	0.661	2.608
	469	94	219.4	0.022	0.868	0.322	0.660	2.594
	470	94	189.1	0.030	0.950	0.350	0.580	2.406

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Females

Group	Animal ID	Day	Terminal					
			Body Weight	Adrenal Glands	Brain	Heart	Kidneys	Liver
B6F	551	93	189.9	0.031	0.990	0.324	0.703	2.663
	552	93	161.5	0.023	1.125	0.341	0.660	2.683
	553	93	181.3	0.033	0.965	0.360	0.646	2.546
	554	93	210.1	0.031	0.824	0.342	0.642	2.673
	555	93	206.7	0.034	0.884	0.343	0.682	2.819
	556	93	196.7	0.030	0.929	0.347	0.601	2.450
	557	93	191.2	0.030	1.017	0.307	0.618	2.685
	558	93	189.8	0.029	0.997	0.336	0.686	2.517
	559	93	163.7	0.027	1.115	0.315	0.585	2.553
	560	93	194.5	0.024	0.983	0.289	0.697	2.315
	561	94	175.2	0.030	0.974	0.375	0.637	2.872
	562	94	171.1	0.033	1.113	0.375	0.708	2.753
	563	94	153.5	0.036	1.031	0.350	0.660	2.821
	564	94	188.5	0.024	0.947	0.347	0.629	2.500
	565	94	182.5	0.031	0.999	0.320	0.664	2.368
	566	94	209.8	0.024	0.920	0.330	0.675	2.562
	567	94	220.5	0.027	0.903	0.319	0.643	2.683
	568	94	178.5	0.033	1.057	0.384	0.677	2.995
	569	94	188.9	0.025	1.017	0.347	0.690	2.586
	570	94	188.8	0.028	0.976	0.325	0.676	2.880
E0.3F	651	93	227.8	0.031	0.823	0.320	0.557	2.345
	652	93	219.1	0.031	0.907	0.324	0.586	2.313
	653	93	208.9	0.033	0.850	0.367	0.608	2.854
	654	93	206.6	0.033	0.885	0.350	0.661	2.477
	655	93	199.6	0.030	0.900	0.306	0.598	2.358
	656	93	209.2	0.028	0.913	0.316	0.671	2.563
	657	93	213.8	0.033	0.881	0.330	0.628	2.522

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Females

Group	Animal ID	Day	Terminal					
			Body Weight	Adrenal Glands	Brain	Heart	Kidneys	Liver
E0.3F	658	93	219.9	0.029	0.856	0.310	0.671	2.496
	659	93	182.9	0.032	0.984	0.366	0.669	2.390
	660	93	211.5	0.041	0.930	0.322	0.694	2.685
	661	94	216.4	0.027	0.828	0.380	0.682	2.656
	662	94	219.4	0.031	0.866	0.301	0.631	2.271
	663	94	220.3	0.026	0.859	0.323	0.655	2.397
	664	94	202.0	0.032	0.925	0.355	0.702	2.784
	665	94	244.9	0.030	0.812	0.326	0.618	2.402
	666	94	196.9	0.031	0.942	0.329	0.628	2.362
	667	94	226.1	0.021	0.807	0.308	0.550	2.332
	668	94	208.7	0.034	0.886	0.349	0.603	2.366
	669	94	190.8	0.032	0.903	0.372	0.611	2.632
	670	94	221.9	0.025	0.911	0.312	0.613	2.403
E3F	751	93	210.3	0.042	0.930	0.360	0.659	2.686
	752	93	184.2	0.027	0.990	0.335	0.701	2.401
	753	93	216.0	0.029	0.931	0.393	0.700	2.796
	754	93	210.6	0.030	0.957	0.352	0.631	2.464
	755	93	212.2	0.032	0.914	0.327	0.647	2.522
	756	93	208.7	0.032	0.925	0.318	0.595	2.836
	757	93	178.6	0.039	1.032	0.381	0.669	2.784
	758	93	216.6	0.038	0.876	0.348	0.714	3.061
	759	93	192.0	0.025	0.980	0.379	0.697	2.420
	760	93	183.0	0.036	1.041	0.404	0.715	2.376
	761	94	217.9	0.023	0.892	0.304	0.620	2.243
	762	94	192.0	0.032	1.013	0.371	0.664	2.291
	763	94	193.3	0.031	0.985	0.370	0.633	2.545
	764	94	220.7	0.034	0.860	0.340	0.677	2.708

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Females

Group	Animal ID	Day	Terminal					
			Body Weight	Adrenal Glands	Brain	Heart	Kidneys	Liver
E3F	765	94	201.8	0.029	0.861	0.374	0.711	2.776
	766	94	208.5	0.028	0.961	0.334	0.676	2.558
	767	94	228.2	0.032	0.800	0.305	0.607	2.677
	768	94	209.5	0.044	0.947	0.374	0.679	2.657
	769	94	200.6	0.027	0.954	0.361	0.734	2.971
	770	94	212.3	0.027	0.902	0.328	0.634	2.559
E6F	851	93	182.9	0.029	1.048	0.341	0.702	2.742
	852	93	181.8	0.027	1.005	0.319	0.643	2.434
	853	93	205.0	0.029	0.916	0.328	0.648	2.824
	854	93	188.7	0.026	0.958	0.365	0.592	2.763
	855	93	187.2	0.035	0.995	0.339	0.691	2.734
	856	93	180.3	0.028	1.014	0.375	0.649	2.712
	857	93	197.0	0.030	0.952	0.345	0.597	2.411
	858	93	180.4	0.034	0.947	0.303	0.649	2.200
	859	93	198.4	0.024	0.880	0.305	0.541	2.400
	860	93	204.7	0.028	0.875	0.305	0.652	2.842
	861	94	194.2	0.022	0.901	0.335	0.609	2.565
	862	94	189.6	0.030	0.992	0.357	0.686	2.603
	863	94	190.9	0.031	1.064	0.318	0.658	2.541
	864	94	189.0	0.033	0.946	0.344	0.651	2.615
	865	94	196.3	0.027	0.966	0.316	0.676	2.408
	866	94	186.4	0.022	0.984	0.305	0.626	2.578
	867	94	184.8	0.032	1.049	0.312	0.642	2.550
	868	94	167.7	0.032	1.039	0.332	0.594	2.648
	869	94	179.5	0.029	1.036	0.351	0.663	2.869
	870	94	188.0	0.033	0.944	0.322	0.682	2.838

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Females

Group	Animal ID	Day	Terminal					
			Body Weight	Lungs	Ovaries	Pituitary Gland	Salivary Gland	Spleen
CF	151	93	205.9	0.869	0.036	0.008	0.244	0.221
	152	93	213.0	1.099	0.041	0.009	0.210	0.164
	153	93	192.3	0.813	0.046	0.009	0.201	0.225
	154	93	199.6	1.072	0.041	0.009	0.223	0.249
	155	93	229.1	1.076	0.042	0.006	0.187	0.205
	156	93	213.4	1.055	0.049	0.010	0.219	0.170
	157	93	211.0	1.065	0.050	0.006	0.162	0.234
	158	93	202.4	0.838	0.037	0.008	0.203	0.212
	159	93	225.6	0.797	0.049	0.008	0.210	0.256
	160	93	216.0	0.707	0.045	0.008	0.200	0.218
	161	94	239.8	1.031	0.043	0.008	0.172	0.180
	162	94	236.7	0.724	0.039	0.006	0.184	0.174
	163	94	178.4	1.300	0.043	0.009	0.225	0.225
	164	94	216.7	1.228	0.042	0.008	0.190	0.217
	165	94	196.3	1.351	0.041	0.007	0.217	0.210
	166	94	218.9	1.101	0.035	0.008	0.222	0.193
	167	94	208.3	1.022	0.047	0.009	0.225	0.193
168	94	227.8	0.927	0.046	0.008	0.206	0.185	
169	94	234.0	0.800	0.057	0.008	0.223	0.207	
170	94	216.1	1.126	0.051	0.007	0.232	0.229	
NT6F	251	93	188.9	1.281	0.042	0.009	0.266	0.199
	252	93	194.2	1.100	0.046	0.007	0.254	0.206
	253	93	173.1	1.232	0.042	0.008	0.251	0.245
	254	93	191.3	1.131	0.042	0.008	0.233	0.236
	255	93	187.7	1.311	0.043	0.007	0.215	0.228
	256	93	182.8	1.081	0.046	0.009	0.253	0.223
	257	93	185.4	0.917	0.048	0.007	0.247	0.205

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Females

Group	Animal ID	Day	Terminal					
			Body Weight	Lungs	Ovaries	Pituitary Gland	Salivary Gland	Spleen
NT6F	258	93	224.2	1.088	0.035	0.008	0.199	0.228
	259	93	195.0	0.806	0.049	0.008	0.236	0.262
	260	93	163.8	0.811	0.049	0.008	0.226	0.216
	261	94	189.0	0.883	0.060	0.009	0.210	0.198
	262	94	191.2	0.785	0.049	0.008	0.264	0.177
	263	94	197.4	1.151	0.038	0.008	0.242	0.235
	264	94	189.2	0.847	0.060	0.007	0.187	0.263
	265	94	203.7	1.181	0.049	0.008	0.215	0.223
	266	94	195.4	1.214	0.051	0.006	0.222	0.229
	267	94	200.7	1.347	0.043	0.008	0.216	0.214
	268	94	191.3	1.088	0.041	0.009	0.256	0.209
	269	94	177.1	0.854	0.057	0.008	0.256	0.181
	270	94	187.9	1.299	0.045	0.008	0.201	0.201
B0.3F	351	93	204.9	1.054	0.055	0.009	0.216	0.238
	352	93	224.3	0.814	0.040	0.008	0.201	0.231
	353	93	208.0	1.193	0.036	0.008	0.226	0.173
	354	93	208.3	0.900	0.044	0.007	0.214	0.218
	355	93	230.5	1.193	0.040	0.007	0.217	0.244
	356	93	204.3	1.243	0.044	0.008	0.194	0.251
	357	93	197.8	0.895	0.049	0.008	0.230	0.265
	358	93	208.2	0.964	0.042	0.008	0.208	0.186
	359	93	223.6	1.214	0.038	0.007	0.218	0.238
	360	93	213.7	1.023	0.054	0.006	0.195	0.194
	361	94	235.9	0.999	0.043	0.007	0.214	0.216
	362	94	216.9	1.175	0.044	0.008	0.213	0.170
	363	94	200.0	0.927	0.048	0.009	0.222	0.203
	364	94	227.6	0.857	0.044	0.008	0.196	0.214

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Females

Group	Animal ID	Day	Terminal					
			Body Weight	Lungs	Ovaries	Pituitary Gland	Salivary Gland	Spleen
B0.3F	365	94	204.9	1.189	0.050	0.008	0.207	0.224
	366	94	216.0	1.212	0.065	0.009	0.210	0.212
	367	94	207.6	1.125	0.064	0.009	0.245	0.156
	368	94	217.8	0.888	0.063	0.008	0.246	0.228
	369	94	199.4	1.096	0.049	0.007	0.207	0.249
	370	94	195.4	0.929	0.060	0.008	0.235	0.193
B3F	451	93	174.9	1.040	0.051	0.008	0.240	0.213
	452	93	202.3	0.770	0.037	0.009	0.210	0.184
	453	93	200.7	1.290	0.039	0.009	0.243	0.194
	454	93	185.1	1.312	0.071	0.010	0.201	0.256
	456	93	194.3	1.136	0.042	0.009	0.240	0.195
	457	93	219.3	1.091	0.044	0.009	0.227	0.214
	458	93	183.1	1.178	0.051	0.011	0.250	0.216
	459	93	226.3	1.107	0.049	0.008	0.217	0.206
	460	93	186.2	1.084	0.053	0.007	0.228	0.231
	461	94	175.7	1.386	0.055	0.009	0.263	0.237
	462	94	185.5	0.929	0.047	0.009	0.235	0.207
	463	94	187.2	1.241	0.041	0.009	0.238	0.230
	464	94	194.2	1.048	0.044	0.008	0.248	0.228
	465	94	199.2	0.962	0.043	0.009	0.231	0.217
	466	94	207.2	1.315	0.048	0.008	0.245	0.215
	467	94	200.9	1.302	0.049	0.009	0.205	0.216
	468	94	210.2	1.164	0.047	0.008	0.223	0.258
	469	94	219.4	1.297	0.049	0.009	0.253	0.226
470	94	189.1	1.414	0.050	0.009	0.203	0.187	

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Females

Group	Animal ID	Day	Terminal					
			Body Weight	Lungs	Ovaries	Pituitary Gland	Salivary Gland	Spleen
B6F	551	93	189.9	1.042	0.047	0.008	0.238	0.223
	552	93	161.5	1.056	0.036	0.008	0.222	0.216
	553	93	181.3	0.869	0.045	0.008	0.275	0.232
	554	93	210.1	1.228	0.041	0.008	0.215	0.225
	555	93	206.7	0.899	0.025	0.010	0.274	0.208
	556	93	196.7	1.028	0.054	0.009	0.259	0.181
	557	93	191.2	0.784	0.052	0.009	0.224	0.190
	558	93	189.8	1.185	0.056	0.009	0.258	0.219
	559	93	163.7	0.843	0.059	0.008	0.217	0.226
	560	93	194.5	1.042	0.041	0.008	0.190	0.219
	561	94	175.2	0.825	0.049	0.009	0.236	0.220
	562	94	171.1	1.271	0.044	0.007	0.249	0.240
	563	94	153.5	0.993	0.033	0.008	0.241	0.267
	564	94	188.5	1.312	0.043	0.007	0.240	0.215
	565	94	182.5	1.315	0.046	0.006	0.288	0.235
	566	94	209.8	1.069	0.043	0.007	0.195	0.260
	567	94	220.5	0.872	0.043	0.009	0.190	0.202
	568	94	178.5	0.939	0.041	0.008	0.258	0.251
	569	94	188.9	1.045	0.052	0.006	0.241	0.194
	570	94	188.8	0.849	0.056	0.008	0.246	0.236
E0.3F	651	93	227.8	0.991	0.048	0.006	0.239	0.184
	652	93	219.1	1.009	0.035	0.009	0.212	0.204
	653	93	208.9	1.200	0.041	0.008	0.231	0.210
	654	93	206.6	1.336	0.064	0.009	0.208	0.210
	655	93	199.6	0.885	0.063	0.008	0.207	0.236
	656	93	209.2	0.688	0.037	0.008	0.230	0.226
	657	93	213.8	0.766	0.052	0.007	0.210	0.187

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Females

Group	Animal ID	Day	Terminal					
			Body Weight	Lungs	Ovaries	Pituitary Gland	Salivary Gland	Spleen
E0.3F	658	93	219.9	0.776	0.041	0.008	0.199	0.239
	659	93	182.9	1.037	0.044	0.007	0.225	0.208
	660	93	211.5	1.022	0.044	0.009	0.202	0.235
	661	94	216.4	0.938	0.045	0.007	0.196	0.187
	662	94	219.4	1.247	0.034	0.009	0.242	0.173
	663	94	220.3	1.193	0.038	0.009	0.194	0.208
	664	94	202.0	1.217	0.056	0.010	0.227	0.220
	665	94	244.9	1.166	0.042	0.009	0.184	0.213
	666	94	196.9	1.159	0.050	0.008	0.167	0.235
	667	94	226.1	0.902	0.045	0.008	0.197	0.218
	668	94	208.7	1.177	0.040	0.009	0.205	0.184
	669	94	190.8	0.942	0.050	0.008	0.234	0.238
	670	94	221.9	1.000	0.042	0.008	0.188	0.182
E3F	751	93	210.3	1.310	0.044	0.008	0.216	0.228
	752	93	184.2	1.269	0.037	0.007	0.198	0.170
	753	93	216.0	1.332	0.030	0.007	0.219	0.264
	754	93	210.6	1.415	0.042	0.008	0.226	0.219
	755	93	212.2	0.945	0.054	0.007	0.208	0.246
	756	93	208.7	0.825	0.048	0.009	0.195	0.211
	757	93	178.6	0.989	0.044	0.007	0.238	0.199
	758	93	216.6	1.330	0.053	0.008	0.243	0.227
	759	93	192.0	0.804	0.055	0.007	0.206	0.201
	760	93	183.0	1.207	0.040	0.009	0.219	0.173
	761	94	217.9	1.088	0.037	0.008	0.219	0.166
	762	94	192.0	1.122	0.041	0.008	0.239	0.200
	763	94	193.3	1.037	0.044	0.009	0.238	0.235
	764	94	220.7	1.205	0.045	0.010	0.223	0.216

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Females

Group	Animal ID	Day	Terminal					
			Body Weight	Lungs	Ovaries	Pituitary Gland	Salivary Gland	Spleen
E3F	765	94	201.8	1.111	0.037	0.011	0.238	0.260
	766	94	208.5	1.361	0.054	0.009	0.216	0.219
	767	94	228.2	0.710	0.047	0.008	0.226	0.223
	768	94	209.5	1.588	0.063	0.008	0.197	0.189
	769	94	200.6	1.381	0.063	0.010	0.244	0.215
	770	94	212.3	1.032	0.048	0.008	0.232	0.199
E6F	851	93	182.9	1.129	0.038	0.007	0.209	0.225
	852	93	181.8	0.769	0.040	0.008	0.287	0.206
	853	93	205.0	0.819	0.044	0.006	0.259	0.206
	854	93	188.7	1.174	0.040	0.008	0.226	0.178
	855	93	187.2	1.246	0.044	0.009	0.263	0.224
	856	93	180.3	0.830	0.044	0.009	0.238	0.245
	857	93	197.0	1.132	0.045	0.008	0.249	0.172
	858	93	180.4	0.957	0.049	0.008	0.253	0.200
	859	93	198.4	0.681	0.043	0.007	0.208	0.192
	860	93	204.7	0.973	0.046	0.006	0.221	0.208
	861	94	194.2	0.890	0.041	0.009	0.229	0.219
	862	94	189.6	1.083	0.044	0.009	0.230	0.216
	863	94	190.9	1.264	0.035	0.008	0.264	0.223
	864	94	189.0	1.217	0.051	0.008	0.234	0.249
	865	94	196.3	0.907	0.046	0.006	0.228	0.225
	866	94	186.4	1.044	0.041	0.008	0.240	0.181
	867	94	184.8	0.933	0.047	0.010	0.198	0.209
	868	94	167.7	0.864	0.038	0.008	0.250	0.255
	869	94	179.5	1.195	0.046	0.008	0.232	0.199
870	94	188.0	0.933	0.043	0.009	0.236	0.206	

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Females

Group	Animal ID	Day	Terminal			
			Body Weight	Thymus	Thyroid Glands	Uterus
CF	151	93	205.9	0.154	0.011	0.491
	152	93	213.0	0.144	0.014	0.406
	153	93	192.3	0.142	0.012	0.373
	154	93	199.6	0.177	0.015	1.335
	155	93	229.1	0.146	0.009	0.218
	156	93	213.4	0.167	0.009	0.284
	157	93	211.0	0.186	0.016	0.235
	158	93	202.4	0.140	0.012	0.323
	159	93	225.6	0.127	0.013	0.252
	160	93	216.0	0.160	0.012	0.383
	161	94	239.8	0.132	0.012	0.157
	162	94	236.7	0.126	0.013	0.197
	163	94	178.4	0.162	0.017	0.351
	164	94	216.7	0.207	0.014	0.240
	165	94	196.3	0.130	0.012	0.562
	166	94	218.9	0.113	0.007	0.211
	167	94	208.3	0.132	0.014	0.373
168	94	227.8	0.120	0.014	0.371	
169	94	234.0	0.140	0.009	0.566	
170	94	216.1	0.149	0.012	0.344	
NT6F	251	93	188.9	0.127	0.010	0.234
	252	93	194.2	0.156	0.009	0.372
	253	93	173.1	0.165	0.014	0.343
	254	93	191.3	0.144	0.009	0.560
	255	93	187.7	0.112	0.009	0.232
	256	93	182.8	0.124	0.009	0.235
	257	93	185.4	0.132	0.015	0.252

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Females

Group	Animal ID	Day	Terminal			
			Body Weight	Thymus	Thyroid Glands	Uterus
NT6F	258	93	224.2	0.123	0.012	0.175
	259	93	195.0	0.223	0.016	0.416
	260	93	163.8	0.108	0.011	0.236
	261	94	189.0	0.157	0.012	0.456
	262	94	191.2	0.117	0.015	0.802
	263	94	197.4	0.120	0.015	0.287
	264	94	189.2	0.136	0.012	0.210
	265	94	203.7	0.173	0.010	0.384
	266	94	195.4	0.197	0.011	0.347
	267	94	200.7	0.137	0.013	0.263
	268	94	191.3	0.177	0.018	0.511
	269	94	177.1	0.183	0.013	0.273
	270	94	187.9	0.126	0.015	0.243
B0.3F	351	93	204.9	0.166	0.017	0.298
	352	93	224.3	0.144	0.015	0.244
	353	93	208.0	0.121	0.012	0.379
	354	93	208.3	0.141	0.011	0.186
	355	93	230.5	0.172	0.016	0.225
	356	93	204.3	0.178	0.010	0.232
	357	93	197.8	0.163	0.013	0.287
	358	93	208.2	0.156	0.014	0.237
	359	93	223.6	0.164	0.014	0.202
	360	93	213.7	0.172	0.013	0.169
	361	94	235.9	0.144	0.010	0.215
	362	94	216.9	0.167	0.013	0.179
	363	94	200.0	0.160	0.013	0.366
	364	94	227.6	0.142	0.009	0.227

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Females

Group	Animal ID	Day	Terminal			
			Body Weight	Thymus	Thyroid Glands	Uterus
B0.3F	365	94	204.9	0.141	0.012	0.356
	366	94	216.0	0.153	0.012	0.171
	367	94	207.6	0.135	0.011	0.252
	368	94	217.8	0.162	0.009	0.282
	369	94	199.4	0.149	0.012	0.203
	370	94	195.4	0.157	0.015	0.323
B3F	451	93	174.9	0.119	0.014	0.193
	452	93	202.3	0.159	0.016	0.758
	453	93	200.7	0.129	0.015	0.336
	454	93	185.1	0.151	0.012	0.273
	456	93	194.3	0.125	0.013	0.273
	457	93	219.3	0.177	0.007	0.214
	458	93	183.1	0.136	0.018	0.446
	459	93	226.3	0.112	0.013	0.221
	460	93	186.2	0.147	0.011	0.248
	461	94	175.7	0.135	0.017	0.391
	462	94	185.5	0.141	0.014	0.255
	463	94	187.2	0.124	0.013	0.629
	464	94	194.2	0.190	0.013	0.400
	465	94	199.2	0.190	0.012	0.286
	466	94	207.2	0.110	0.011	0.204
	467	94	200.9	0.171	0.011	0.279
	468	94	210.2	0.163	0.010	0.367
469	94	219.4	0.152	0.011	0.558	
470	94	189.1	0.174	0.013	0.440	

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Females

Group	Animal ID	Day	Terminal			
			Body Weight	Thymus	Thyroid Glands	Uterus
B6F	551	93	189.9	0.106	0.015	0.375
	552	93	161.5	0.128	0.014	0.913
	553	93	181.3	0.143	0.011	0.674
	554	93	210.1	0.191	0.011	0.180
	555	93	206.7	0.140	0.012	0.330
	556	93	196.7	0.132	0.017	0.272
	557	93	191.2	0.146	0.015	0.407
	558	93	189.8	0.166	0.013	0.753
	559	93	163.7	0.146	0.017	0.451
	560	93	194.5	0.128	0.017	0.438
	561	94	175.2	0.138	0.013	0.201
	562	94	171.1	0.128	0.011	0.285
	563	94	153.5	0.154	0.016	0.496
	564	94	188.5	0.105	0.009	0.161
	565	94	182.5	0.148	0.012	0.227
	566	94	209.8	0.156	0.014	0.241
	567	94	220.5	0.181	0.013	0.923
	568	94	178.5	0.146	0.012	0.617
	569	94	188.9	0.186	0.014	0.221
	570	94	188.8	0.176	0.016	0.731
E0.3F	651	93	227.8	0.151	0.012	0.237
	652	93	219.1	0.197	0.013	0.248
	653	93	208.9	0.127	0.015	0.263
	654	93	206.6	0.160	0.014	0.514
	655	93	199.6	0.115	0.018	0.221
	656	93	209.2	0.214	0.011	0.649
	657	93	213.8	0.106	0.011	0.228

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Females

Group	Animal ID	Day	Terminal			
			Body Weight	Thymus	Thyroid Glands	Uterus
E0.3F	658	93	219.9	0.197	0.011	0.490
	659	93	182.9	0.161	0.017	0.172
	660	93	211.5	0.142	0.014	0.388
	661	94	216.4	0.184	0.011	0.251
	662	94	219.4	0.157	0.010	0.493
	663	94	220.3	0.146	0.013	0.185
	664	94	202.0	0.114	0.014	0.243
	665	94	244.9	0.138	0.011	0.256
	666	94	196.9	0.175	0.015	0.286
	667	94	226.1	0.188	0.011	0.179
	668	94	208.7	0.154	0.011	0.316
	669	94	190.8	0.113	0.014	0.357
	670	94	221.9	0.121	0.012	0.243
E3F	751	93	210.3	0.103	0.012	0.217
	752	93	184.2	0.110	0.014	0.218
	753	93	216.0	0.111	0.010	0.312
	754	93	210.6	0.129	0.015	0.457
	755	93	212.2	0.148	0.012	0.363
	756	93	208.7	0.091	0.013	0.378
	757	93	178.6	0.119	0.013	0.263
	758	93	216.6	0.145	0.014	0.586
	759	93	192.0	0.163	0.012	0.219
	760	93	183.0	0.130	0.015	0.257
	761	94	217.9	0.196	0.013	0.410
	762	94	192.0	0.109	0.016	0.252
	763	94	193.3	0.163	0.017	0.542
	764	94	220.7	0.154	0.013	0.346

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Females

Group	Animal ID	Day	Terminal			
			Body Weight	Thymus	Thyroid Glands	Uterus
E3F	765	94	201.8	0.118	0.011	0.680
	766	94	208.5	0.131	0.014	0.733
	767	94	228.2	0.147	0.011	0.855
	768	94	209.5	0.148	0.014	0.388
	769	94	200.6	0.143	0.012	0.288
	770	94	212.3	0.159	0.010	0.532
E6F	851	93	182.9	0.129	0.010	0.590
	852	93	181.8	0.130	0.010	0.569
	853	93	205.0	0.182	0.015	0.270
	854	93	188.7	0.169	0.014	0.280
	855	93	187.2	0.106	0.011	0.261
	856	93	180.3	0.123	0.011	0.205
	857	93	197.0	0.177	0.015	0.462
	858	93	180.4	0.135	0.014	0.587
	859	93	198.4	0.160	0.013	0.371
	860	93	204.7	0.164	0.011	0.426
	861	94	194.2	0.157	0.016	0.193
	862	94	189.6	0.176	0.015	0.195
	863	94	190.9	0.119	0.016	0.313
	864	94	189.0	0.180	0.010	0.499
	865	94	196.3	0.142	0.011	0.435
	866	94	186.4	0.132	0.013	0.226
	867	94	184.8	0.125	0.017	0.429
	868	94	167.7	0.177	0.018	0.501
	869	94	179.5	0.166	0.018	1.084
870	94	188.0	0.124	0.012	0.360	

Table D-5. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight	Adrenal Glands	Epididymides	Heart	Kidneys	Liver
CM	101	92	2.031	2.48	65.290	65.08	117.88	440.95
	102	92	1.897	2.51	61.165	55.40	108.55	400.44
	103	92	1.904	2.57	67.469	52.26	115.68	456.45
	104	92	1.830	2.44	66.594	60.39	139.25	535.85
	105	92	1.989	2.58	62.450	74.60	97.82	429.39
	106	92	1.996	1.91	61.683	42.44	83.93	325.11
	107	92	1.828	2.88	68.122	68.44	124.52	503.47
	108	92	2.059	2.95	63.737	53.15	95.15	403.82
	109	92	2.044	3.16	62.186	50.58	100.01	429.87
	110	92	2.112	2.10	58.905	49.44	100.77	406.84
	111	93	1.987	2.92	60.173	54.98	108.27	459.26
	112	93	2.134	2.42	56.181	45.63	96.64	396.53
	113	93	1.920	3.26	73.216	59.52	119.92	479.29
	114	93	2.007	2.91	61.621	55.28	110.75	445.50
	115	93	1.974	2.92	56.610	57.49	109.20	435.08
	116	93	2.158	3.06	68.111	52.77	117.31	430.41
	117	93	2.090	2.35	58.185	52.87	100.60	423.17
	118	93	2.107	2.89	52.862	49.59	106.87	406.59
	119	93	2.154	2.93	63.677	56.43	106.85	413.40
	120	93	2.131	2.91	66.712	61.85	97.10	410.89
NT6M	201	92	2.029	2.58	63.552	55.65	110.78	425.25
	202	92	1.871	2.95	71.138	50.39	87.61	333.53
	203	92	2.002	2.93	55.974	51.55	100.43	413.07
	204	92	2.070	2.39	59.448	42.69	89.12	352.34
	205	92	1.991	3.01	56.946	47.48	102.13	370.11
	206	92	2.070	3.01	55.084	45.65	92.96	350.79
	207	92	2.143	3.39	57.657	46.01	86.45	297.21

Table D-5. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight	Adrenal Glands	Epididymides	Heart	Kidneys	Liver
NT6M	208	92	2.022	2.94	58.911	48.05	97.75	364.94
	209	92	2.021	2.57	62.633	43.57	93.66	340.73
	210	92	2.032	2.61	66.053	47.84	94.61	374.02
	211	93	1.899	2.89	69.488	50.28	108.12	389.84
	212	93	1.991	3.04	65.495	54.85	104.86	361.56
	213	93	1.957	2.95	62.889	43.57	100.57	375.45
	214	93	2.011	2.60	54.947	48.77	93.20	324.78
	215	93	1.895	3.08	60.742	51.68	119.57	409.34
	216	93	1.960	3.27	55.401	43.38	91.93	354.46
	217	93	2.061	2.36	53.654	39.01	75.66	285.18
	218	93	2.143	2.81	61.686	41.80	89.82	335.41
	219	93	1.999	2.75	60.760	49.11	103.12	391.59
	220	93	1.974	3.27	63.554	49.13	100.01	532.15
B0.3M	301	92	2.181	2.82	64.895	54.30	105.54	451.66
	302	92	2.076	3.02	62.283	52.97	110.30	440.98
	303	92	2.112	2.30	61.056	53.93	92.65	391.40
	304	92	1.864	2.42	68.722	43.89	92.26	374.34
	305	92	2.023	2.74	72.017	59.19	113.21	442.65
	306	92	2.105	2.50	55.775	54.43	102.56	464.63
	307	92	2.013	2.34	52.019	50.07	86.17	376.58
	308	92	2.138	2.40	62.998	53.59	107.81	399.49
	309	92	2.084	3.03	62.090	48.68	103.96	414.18
	310	92	2.052	3.19	65.295	57.56	97.42	417.07
	311	93	2.105	2.92	62.156	50.61	107.23	401.95
	312	93	1.992	2.33	57.367	52.67	95.05	394.83
	313	93	1.963	2.13	74.433	49.50	82.78	359.26
	314	93	2.114	2.08	67.195	58.25	109.86	440.07

Table D-5. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight	Adrenal Glands	Epididymides	Heart	Kidneys	Liver
B0.3M	315	93	2.075	3.95	64.502	56.85	104.71	444.35
	316	93	2.132	2.94	55.574	50.57	102.68	424.34
	317	93	1.984	2.43	63.737	51.71	121.24	502.30
	318	93	2.015	2.78	52.690	44.94	92.25	346.52
	319	93	2.068	2.37	58.672	45.55	95.67	356.34
	320	93	1.948	2.01	73.750	57.13	101.35	452.32
B3M	401	92	1.840	2.55	65.185	50.16	98.99	376.57
	402	92	1.979	3.53	60.238	53.39	105.13	445.88
	403	92	2.067	2.53	65.789	52.95	103.19	417.16
	404	92	2.122	3.33	60.567	54.45	102.17	392.36
	405	92	1.898	2.78	64.554	56.69	111.59	461.45
	406	92	1.945	2.67	60.640	49.61	93.96	362.30
	407	92	2.120	2.49	61.290	43.64	95.56	397.42
	408	92	2.140	2.36	63.102	51.92	114.13	398.77
	409	92	2.097	2.77	52.096	44.83	96.36	376.51
	410	92	2.216	2.51	68.230	46.68	92.47	349.82
	411	93	2.012	2.42	62.813	54.07	106.49	438.43
	412	93	2.152	3.43	62.847	55.76	117.37	501.66
	413	93	1.917	2.94	64.297	54.64	111.44	409.43
	414	93	1.840	3.26	71.197	53.43	112.24	449.18
	415	93	2.036	2.48	65.352	48.47	92.81	361.59
	416	93	2.178	3.41	65.332	52.20	106.00	443.86
	417	93	2.002	2.04	61.254	51.14	98.59	383.76
	418	93	1.939	2.25	60.572	41.57	83.47	314.43
	419	93	2.187	3.07	52.805	48.33	111.53	437.18
	420	93	2.115	3.32	62.376	47.80	104.20	404.51

Table D-5. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight	Adrenal Glands	Epididymides	Heart	Kidneys	Liver
B6M	501	92	1.896	3.02	74.316	56.61	107.49	390.97
	502	92	1.920	2.43	52.670	45.50	96.82	359.18
	503	92	1.994	1.88	59.870	49.99	91.64	342.77
	504	92	1.926	3.10	71.007	55.18	114.00	400.93
	505	92	2.022	2.65	56.448	43.86	90.58	350.22
	506	92	2.046	2.67	61.415	53.57	100.31	380.39
	507	92	1.852	2.64	66.748	46.11	87.30	313.53
	508	92	2.055	2.47	57.276	47.58	97.05	380.04
	509	92	1.956	3.59	60.932	52.89	113.44	482.47
	510	92	1.992	2.33	58.098	46.52	91.77	391.06
	511	93	2.089	2.95	50.110	41.16	96.90	384.29
	512	93	1.990	2.70	66.874	45.99	94.71	331.00
	513	93	1.977	2.28	68.494	44.11	94.99	334.87
	514	93	2.074	2.46	55.257	48.40	104.18	373.56
	515	93	1.926	2.91	56.959	43.87	99.20	343.74
	516	93	2.096	2.33	62.981	44.78	100.78	321.87
	517	93	2.006	2.58	64.412	48.77	87.32	336.35
	518	93	2.107	2.62	62.308	47.89	96.61	425.25
	519	93	2.058	2.50	59.168	44.78	89.85	355.02
	520	93	2.088	2.54	67.622	50.20	101.00	404.54
E0.3M	601	92	1.885	2.51	68.288	51.11	108.17	400.88
	602	92	2.100	3.42	64.098	48.53	102.28	409.93
	603	92	2.020	3.53	54.747	53.43	105.80	411.34
	604	92	2.076	2.44	55.231	57.18	104.45	433.35
	605	92	2.035	3.10	74.888	55.12	111.60	448.79
	606	92	2.030	2.59	60.309	55.23	106.09	428.43
	607	92	2.009	2.59	69.391	44.18	88.63	328.78

Table D-5. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight	Adrenal Glands	Epididymides	Heart	Kidneys	Liver
E0.3M	608	92	2.008	2.69	66.951	57.14	109.17	428.33
	609	92	2.041	2.95	67.194	50.87	103.52	386.04
	610	92	2.133	2.79	67.615	55.74	106.84	445.44
	611	93	2.005	2.44	54.297	48.16	97.29	363.62
	612	93	1.967	2.64	50.468	60.91	105.63	421.11
	613	93	1.961	3.54	71.406	61.33	108.79	454.84
	614	93	1.921	2.06	68.496	45.35	103.24	407.16
	615	93	2.104	2.82	56.435	59.19	104.92	414.39
	616	93	2.156	2.19	63.273	50.29	102.33	447.76
	617	93	2.062	2.91	59.842	50.57	96.36	379.68
	618	93	1.878	2.87	73.432	50.42	110.96	365.00
	619	93	1.979	2.98	62.480	55.33	103.23	440.64
	620	93	2.099	3.03	52.878	53.78	98.45	427.23
E3M	701	92	2.124	3.31	62.900	47.03	103.37	384.64
	702	92	2.035	2.41	63.953	50.71	99.64	397.23
	703	92	2.069	2.89	68.729	48.21	100.85	371.58
	704	92	2.107	3.25	64.197	47.28	92.45	390.72
	705	92	1.997	2.75	69.856	55.83	103.13	399.66
	706	92	1.991	2.99	58.124	45.41	97.70	359.36
	707	92	2.188	2.58	56.586	53.79	118.21	476.43
	708	92	1.988	2.66	71.012	49.96	109.99	395.97
	709	92	2.050	2.65	68.948	51.95	98.77	397.87
	710	92	1.999	2.78	63.577	54.46	95.16	398.84
	711	93	1.889	2.49	72.168	54.21	103.69	419.81
	712	93	2.061	2.55	71.265	51.23	98.27	395.97
	713	93	2.120	2.32	52.828	48.90	102.05	367.13
	714	93	2.113	3.12	60.928	46.60	109.66	402.27

Table D-5. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight	Adrenal Glands	Epididymides	Heart	Kidneys	Liver
E3M	715	93	2.043	2.10	58.200	56.73	119.05	518.83
	716	93	2.111	2.83	56.825	51.15	116.00	501.45
	717	93	2.007	2.67	56.361	47.59	101.72	364.10
	718	93	2.017	2.04	58.076	41.28	90.29	325.35
	719	93	2.185	2.48	78.512	49.04	119.10	469.28
	720	93	2.047	2.32	57.671	48.98	89.17	314.47
E6M	801	92	1.962	3.10	66.707	45.54	100.97	357.28
	802	92	2.054	2.61	62.149	46.74	97.56	396.92
	803	92	1.884	3.42	65.776	48.59	108.45	393.52
	804	92	2.140	3.39	55.940	55.83	102.73	406.82
	805	92	1.950	2.28	61.577	48.13	96.56	386.09
	806	92	2.054	2.20	65.132	46.74	101.64	383.35
	807	92	2.030	2.28	53.544	42.54	96.88	314.12
	808	92	2.108	2.78	57.498	39.11	83.72	317.96
	809	92	2.032	3.09	62.169	44.33	88.46	345.57
	810	92	1.928	3.12	53.742	50.06	95.28	411.34
	811	93	2.005	2.80	64.277	49.76	97.58	370.89
	812	93	2.064	2.35	63.097	51.73	124.76	377.68
	813	93	2.002	2.76	42.346	64.76	106.04	425.55
	814	93	2.025	2.69	64.389	46.78	100.39	349.90
	815	93	2.202	3.62	55.527	44.21	101.27	353.61
	816	93	1.940	2.17	60.661	46.68	104.53	465.20
817	93	1.994	2.51	61.063	51.49	96.96	393.51	
818	93	2.014	2.69	62.620	48.07	117.64	408.32	
819	93	2.007	2.23	62.306	45.34	101.44	427.88	
820	93	2.070	2.42	55.125	50.87	108.55	492.36	

Table D-5. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute					
			Brain Weight	Lungs	Pituitary Gland	Prostate	Salivary Gland	Seminal Vesicles
CM	101	92	2.031	151.36	0.52	51.65	29.85	67.31
	102	92	1.897	93.29	0.75	62.76	30.21	69.64
	103	92	1.904	187.71	0.67	63.28	36.08	80.70
	104	92	1.830	174.94	0.69	55.78	35.27	59.66
	105	92	1.989	196.43	0.45	61.47	32.37	73.44
	106	92	1.996	121.54	0.63	47.17	29.59	49.64
	107	92	1.828	198.67	0.71	63.05	32.78	53.76
	108	92	2.059	131.12	0.59	54.61	29.01	57.15
	109	92	2.044	167.42	0.55	67.41	24.35	79.26
	110	92	2.112	178.61	0.71	56.27	28.59	60.44
	111	93	1.987	116.02	0.81	66.31	32.02	71.71
	112	93	2.134	197.04	0.53	53.59	33.23	53.99
	113	93	1.920	193.10	0.62	53.38	33.04	66.60
	114	93	2.007	145.15	0.56	61.64	32.91	66.79
	115	93	1.974	162.65	0.65	51.92	29.43	53.07
	116	93	2.158	132.01	0.61	47.97	33.51	54.77
	117	93	2.090	119.65	0.62	58.99	33.32	68.19
	118	93	2.107	105.45	0.62	47.78	32.81	56.06
	119	93	2.154	175.45	0.56	60.00	30.94	66.12
	120	93	2.131	158.92	0.81	47.01	30.26	57.18
NT6M	201	92	2.029	99.52	0.69	53.00	30.80	57.90
	202	92	1.871	145.08	0.59	44.23	34.63	64.53
	203	92	2.002	178.46	0.59	49.38	31.34	40.88
	204	92	2.070	140.55	0.43	40.40	33.72	63.36
	205	92	1.991	155.89	0.51	42.86	32.06	55.31
	206	92	2.070	160.49	0.55	39.95	31.52	56.30
	207	92	2.143	150.19	0.69	40.60	31.68	43.48

Table D-5. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute					
			Brain Weight	Lungs	Pituitary Gland	Prostate	Salivary Gland	Seminal Vesicles
NT6M	208	92	2.022	169.18	0.60	58.67	34.37	58.78
	209	92	2.021	181.47	0.68	42.24	31.33	43.49
	210	92	2.032	165.58	0.56	51.98	33.75	61.17
	211	93	1.899	101.30	0.50	53.50	31.19	55.46
	212	93	1.991	161.67	0.55	43.34	33.58	57.18
	213	93	1.957	92.43	0.61	50.72	34.51	40.53
	214	93	2.011	158.51	0.92	59.78	32.17	58.59
	215	93	1.895	131.31	0.67	55.14	34.20	70.65
	216	93	1.960	154.47	0.65	40.79	30.02	47.73
	217	93	2.061	108.06	0.56	40.19	24.22	57.67
	218	93	2.143	109.52	0.53	58.41	34.66	60.50
	219	93	1.999	142.96	0.62	64.65	31.37	46.64
	220	93	1.974	152.04	0.54	48.49	32.70	49.33
B0.3M	301	92	2.181	175.51	0.48	63.19	39.81	66.71
	302	92	2.076	190.43	0.54	55.09	33.50	59.45
	303	92	2.112	110.86	0.47	59.70	32.35	53.00
	304	92	1.864	155.49	0.65	67.61	28.62	55.20
	305	92	2.023	190.43	0.50	58.88	35.31	68.48
	306	92	2.105	199.91	0.62	53.57	30.91	52.92
	307	92	2.013	135.24	0.47	60.35	26.48	39.04
	308	92	2.138	186.19	0.64	56.61	30.35	47.88
	309	92	2.084	158.31	0.60	73.69	35.43	62.56
	310	92	2.052	180.10	0.57	65.11	36.11	51.86
	311	93	2.105	113.42	0.64	67.40	29.17	60.69
	312	93	1.992	107.02	0.71	51.41	35.36	51.38
	313	93	1.963	135.81	0.30	49.06	26.24	65.51
	314	93	2.114	125.82	0.54	54.43	32.20	60.55

Table D-5. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight	Lungs	Pituitary Gland	Prostate	Salivary Gland	Seminal Vesicles
B0.3M	315	93	2.075	161.58	0.54	58.90	27.85	50.55
	316	93	2.132	150.46	0.66	46.86	28.49	40.58
	317	93	1.984	119.65	0.55	70.99	30.85	70.19
	318	93	2.015	128.87	0.42	69.42	31.47	64.37
	319	93	2.068	167.33	0.53	54.46	27.23	47.63
	320	93	1.948	130.53	0.67	56.87	28.62	37.12
B3M	401	92	1.840	132.66	0.55	51.21	33.09	57.16
	402	92	1.979	138.34	0.72	65.35	32.97	68.86
	403	92	2.067	134.78	0.56	47.90	31.97	69.50
	404	92	2.122	172.46	0.68	64.92	29.56	49.65
	405	92	1.898	180.77	0.57	75.43	38.64	60.31
	406	92	1.945	162.82	0.53	37.56	29.20	46.08
	407	92	2.120	99.65	0.48	62.19	32.89	62.95
	408	92	2.140	170.16	0.57	60.33	30.36	63.67
	409	92	2.097	134.72	0.65	56.26	30.96	35.60
	410	92	2.216	150.29	0.60	60.08	35.60	53.88
	411	93	2.012	111.35	0.78	51.01	36.86	53.33
	412	93	2.152	205.46	0.63	54.15	38.22	63.65
	413	93	1.917	105.13	0.46	62.26	28.41	74.56
	414	93	1.840	189.98	0.65	50.14	37.88	66.52
	415	93	2.036	145.71	0.68	46.89	29.53	37.99
	416	93	2.178	93.08	0.70	63.86	38.68	56.91
417	93	2.002	158.48	0.58	54.07	33.84	56.16	
418	93	1.939	121.39	0.55	41.53	30.23	53.89	
419	93	2.187	187.25	0.73	45.57	31.07	58.60	
420	93	2.115	116.73	0.66	60.31	30.34	71.25	

Table D-5. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight	Lungs	Pituitary Gland	Prostate	Salivary Gland	Seminal Vesicles
B6M	501	92	1.896	148.54	0.60	46.68	30.42	65.47
	502	92	1.920	164.28	0.52	41.56	29.99	61.27
	503	92	1.994	127.68	0.54	48.68	30.92	80.56
	504	92	1.926	164.12	0.79	67.43	32.90	67.35
	505	92	2.022	180.54	0.90	54.59	32.54	54.93
	506	92	2.046	129.27	0.62	63.08	31.21	57.54
	507	92	1.852	148.86	0.50	56.18	36.26	44.69
	508	92	2.055	162.26	0.79	60.50	38.35	54.37
	509	92	1.956	189.70	0.68	60.81	47.28	57.25
	510	92	1.992	155.25	0.75	44.66	32.65	55.54
	511	93	2.089	125.97	0.53	36.27	34.98	0.57
	512	93	1.990	105.78	0.52	69.92	31.79	58.51
	513	93	1.977	199.43	0.62	54.69	36.72	50.91
	514	93	2.074	181.25	0.66	52.25	27.88	54.00
	515	93	1.926	106.32	0.58	44.43	33.76	39.07
	516	93	2.096	135.71	0.52	38.46	29.37	59.02
	517	93	2.006	105.95	0.62	47.24	27.79	36.75
	518	93	2.107	123.04	0.74	53.40	30.06	42.92
	519	93	2.058	117.71	0.45	45.81	29.32	29.58
	520	93	2.088	144.84	0.57	51.01	36.31	56.63
E0.3M	601	92	1.885	111.15	0.54	68.96	28.96	71.59
	602	92	2.100	151.69	0.70	55.39	35.25	66.48
	603	92	2.020	133.05	0.50	59.08	28.39	62.04
	604	92	2.076	163.95	0.65	50.36	29.91	58.81
	605	92	2.035	169.78	0.55	58.59	35.27	60.53
	606	92	2.030	159.61	0.64	51.07	33.66	59.40
	607	92	2.009	153.16	0.58	55.33	27.25	53.97

Table D-5. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute					
			Brain Weight	Lungs	Pituitary Gland	Prostate	Salivary Gland	Seminal Vesicles
E0.3M	608	92	2.008	183.26	0.56	63.81	32.90	51.69
	609	92	2.041	141.35	0.62	48.06	34.47	52.45
	610	92	2.133	133.10	0.55	65.87	30.26	59.86
	611	93	2.005	169.71	0.60	66.36	33.49	38.83
	612	93	1.967	122.75	0.64	56.38	36.41	60.89
	613	93	1.961	217.31	0.79	66.18	44.87	60.81
	614	93	1.921	114.89	0.49	56.88	28.19	56.91
	615	93	2.104	176.49	0.62	49.83	35.22	57.09
	616	93	2.156	113.92	0.49	61.33	33.76	56.86
	617	93	2.062	164.04	0.47	47.82	30.10	53.70
	618	93	1.878	115.87	0.68	53.10	28.55	76.05
	619	93	1.979	138.22	0.56	68.21	31.93	73.27
	620	93	2.099	145.68	0.60	48.48	29.30	56.96
E3M	701	92	2.124	146.98	0.64	47.32	32.50	39.71
	702	92	2.035	154.10	0.52	67.53	34.68	58.27
	703	92	2.069	160.28	0.52	67.63	30.40	56.21
	704	92	2.107	166.43	0.52	53.58	32.31	47.44
	705	92	1.997	120.27	0.62	71.59	36.15	73.80
	706	92	1.991	160.22	0.61	61.56	28.55	63.42
	707	92	2.188	206.51	0.60	70.96	36.82	76.82
	708	92	1.988	167.41	0.49	50.66	30.67	65.52
	709	92	2.050	89.11	0.75	60.92	34.11	52.41
	710	92	1.999	152.41	0.59	66.10	33.95	59.57
	711	93	1.889	139.15	0.55	55.41	25.69	79.62
	712	93	2.061	174.53	0.57	69.71	31.13	61.90
	713	93	2.120	114.40	0.47	57.00	31.12	77.74
	714	93	2.113	106.11	0.50	51.00	29.05	68.72

Table D-5. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight	Lungs	Pituitary Gland	Prostate	Salivary Gland	Seminal Vesicles
E3M	715	93	2.043	178.35	0.75	47.19	39.65	56.69
	716	93	2.111	171.36	0.64	63.07	34.33	64.90
	717	93	2.007	154.30	0.53	50.44	33.23	57.86
	718	93	2.017	118.31	0.49	52.51	29.04	41.58
	719	93	2.185	145.12	0.80	60.55	35.37	73.56
	720	93	2.047	152.45	0.64	44.35	30.29	52.16
E6M	801	92	1.962	153.73	0.49	47.55	29.16	61.29
	802	92	2.054	153.32	0.41	47.07	34.55	44.49
	803	92	1.884	155.68	0.41	63.96	33.72	61.66
	804	92	2.140	170.27	0.73	53.20	33.26	47.07
	805	92	1.950	114.01	0.49	45.67	32.45	69.18
	806	92	2.054	173.69	0.55	52.78	32.82	57.50
	807	92	2.030	150.38	0.41	49.49	30.46	59.44
	808	92	2.108	129.07	0.61	59.10	32.59	62.12
	809	92	2.032	141.49	0.47	59.65	32.18	42.41
	810	92	1.928	185.45	0.31	52.42	30.26	60.29
	811	93	2.005	134.68	0.46	61.57	32.37	54.43
	812	93	2.064	158.43	0.53	47.32	30.55	47.23
	813	93	2.002	194.35	0.67	55.47	33.62	59.45
	814	93	2.025	153.37	0.51	65.04	29.40	58.11
	815	93	2.202	140.13	0.48	55.89	33.90	51.47
	816	93	1.940	125.63	0.47	30.42	29.67	44.19
817	93	1.994	128.32	0.54	47.17	30.79	52.08	
818	93	2.014	126.13	0.82	39.44	33.70	53.17	
819	93	2.007	101.43	0.42	43.64	35.02	52.97	
820	93	2.070	165.37	0.52	42.16	29.06	38.87	

Table D-5. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight	Spleen	Testes	Thymus	Thyroid Glands
CM	101	92	2.031	29.35	168.94	23.90	1.26
	102	92	1.897	31.48	173.24	19.36	1.33
	103	92	1.904	28.93	196.87	17.68	1.70
	104	92	1.830	35.68	199.19	21.75	1.80
	105	92	1.989	26.68	201.47	18.98	1.64
	106	92	1.996	25.67	154.72	16.33	1.26
	107	92	1.828	31.94	204.61	22.99	2.20
	108	92	2.059	33.71	189.79	16.08	1.41
	109	92	2.044	28.78	182.65	15.70	1.15
	110	92	2.112	27.98	157.03	16.63	1.77
	111	93	1.987	30.44	157.91	16.36	1.89
	112	93	2.134	25.04	163.07	18.21	1.68
	113	93	1.920	31.25	183.44	18.13	1.76
	114	93	2.007	25.99	171.19	20.56	1.81
	115	93	1.974	26.26	168.91	20.81	1.30
	116	93	2.158	28.38	198.72	25.43	1.42
	117	93	2.090	24.99	175.27	22.48	1.27
	118	93	2.107	25.90	137.13	18.38	1.73
	119	93	2.154	34.02	196.96	19.52	1.25
	120	93	2.131	31.68	197.23	21.53	1.53
NT6M	201	92	2.029	35.33	187.97	22.62	1.35
	202	92	1.871	25.47	200.42	10.95	1.82
	203	92	2.002	26.95	182.61	12.49	1.93
	204	92	2.070	22.65	159.64	13.83	2.07
	205	92	1.991	33.27	210.69	17.50	0.98
	206	92	2.070	25.31	153.18	19.26	1.52
	207	92	2.143	17.04	173.06	13.88	1.73

Table D-5. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight	Spleen	Testes	Thymus	Thyroid Glands
NT6M	208	92	2.022	29.65	181.17	15.56	1.23
	209	92	2.021	27.66	186.80	17.53	1.50
	210	92	2.032	26.17	197.06	17.37	1.24
	211	93	1.899	25.23	206.90	20.78	1.60
	212	93	1.991	31.84	171.27	15.66	1.58
	213	93	1.957	29.25	199.49	17.41	1.67
	214	93	2.011	29.21	178.05	17.49	1.66
	215	93	1.895	34.43	216.98	18.28	1.73
	216	93	1.960	22.83	161.57	18.87	1.31
	217	93	2.061	19.08	159.80	13.34	1.26
	218	93	2.143	27.59	176.04	16.33	1.29
	219	93	1.999	33.60	172.96	15.59	1.52
	220	93	1.974	31.14	180.08	13.76	1.64
B0.3M	301	92	2.181	33.57	188.54	17.81	1.00
	302	92	2.076	38.06	170.67	20.05	1.32
	303	92	2.112	24.55	166.27	18.05	1.62
	304	92	1.864	25.12	200.48	20.88	2.17
	305	92	2.023	25.52	198.35	20.38	1.56
	306	92	2.105	32.72	184.40	24.87	1.71
	307	92	2.013	29.94	176.40	16.59	1.08
	308	92	2.138	31.09	190.25	21.78	1.35
	309	92	2.084	30.48	183.52	14.42	1.59
	310	92	2.052	28.87	160.47	18.83	1.32
	311	93	2.105	30.77	193.65	16.24	1.57
	312	93	1.992	30.42	168.30	23.82	1.54
	313	93	1.963	40.78	192.08	21.90	1.74
	314	93	2.114	31.55	166.08	21.01	1.45

Table D-5. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight	Spleen	Testes	Thymus	Thyroid Glands
B0.3M	315	93	2.075	25.17	184.44	22.50	1.04
	316	93	2.132	41.83	174.76	19.73	1.66
	317	93	1.984	34.22	184.85	20.33	1.27
	318	93	2.015	27.12	176.57	14.92	1.29
	319	93	2.068	31.72	167.85	18.72	1.36
	320	93	1.948	28.48	174.91	23.67	1.45
B3M	401	92	1.840	27.03	183.21	17.97	1.68
	402	92	1.979	29.11	176.81	16.65	1.83
	403	92	2.067	30.08	186.00	28.35	1.88
	404	92	2.122	27.55	180.84	15.27	1.38
	405	92	1.898	36.50	180.26	18.35	1.79
	406	92	1.945	29.13	185.49	25.13	1.66
	407	92	2.120	23.41	183.31	16.76	1.54
	408	92	2.140	28.95	187.73	15.54	1.79
	409	92	2.097	28.32	178.12	13.39	1.70
	410	92	2.216	28.23	186.50	12.73	1.72
	411	93	2.012	32.66	191.17	19.49	1.80
	412	93	2.152	30.31	173.42	14.31	1.83
	413	93	1.917	33.35	205.26	15.53	1.13
	414	93	1.840	31.75	207.77	21.13	1.44
	415	93	2.036	32.08	194.60	15.22	1.74
	416	93	2.178	30.37	186.46	12.64	1.28
	417	93	2.002	33.89	185.34	15.31	1.73
	418	93	1.939	22.91	171.45	17.35	1.25
	419	93	2.187	32.50	167.44	13.45	1.32
	420	93	2.115	28.78	190.28	14.35	1.37

Table D-5. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight	Spleen	Testes	Thymus	Thyroid Glands
B6M	501	92	1.896	30.01	216.02	18.54	1.45
	502	92	1.920	25.82	167.96	17.43	1.79
	503	92	1.994	29.71	184.69	15.86	1.04
	504	92	1.926	33.05	211.27	20.97	0.86
	505	92	2.022	24.53	181.82	14.01	1.85
	506	92	2.046	28.33	165.31	14.23	1.39
	507	92	1.852	29.18	198.06	19.42	1.10
	508	92	2.055	26.52	164.35	19.67	1.11
	509	92	1.956	29.35	195.18	20.27	1.76
	510	92	1.992	25.22	181.88	15.31	1.35
	511	93	2.089	31.10	159.12	16.36	1.11
	512	93	1.990	27.77	195.38	12.11	1.24
	513	93	1.977	23.44	184.13	21.41	1.45
	514	93	2.074	21.53	182.79	11.14	1.67
	515	93	1.926	24.89	176.99	14.32	1.23
	516	93	2.096	28.93	187.82	16.92	1.38
	517	93	2.006	26.52	195.08	20.40	1.18
	518	93	2.107	30.11	167.71	21.00	1.68
	519	93	2.058	34.43	180.11	18.00	1.12
	520	93	2.088	23.40	195.82	23.51	1.10
E0.3M	601	92	1.885	28.66	185.30	17.37	1.44
	602	92	2.100	32.01	182.04	29.95	1.64
	603	92	2.020	32.43	173.78	22.45	1.23
	604	92	2.076	26.62	159.38	19.13	1.30
	605	92	2.035	34.58	202.32	16.83	1.14
	606	92	2.030	23.99	177.26	20.78	1.81
	607	92	2.009	24.90	173.16	19.00	1.36

Table D-5. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight	Spleen	Testes	Thymus	Thyroid Glands
E0.3M	608	92	2.008	30.39	169.33	19.37	2.38
	609	92	2.041	32.19	191.32	16.92	1.00
	610	92	2.133	38.40	180.16	18.69	0.99
	611	93	2.005	27.44	167.10	17.87	2.07
	612	93	1.967	31.54	175.09	17.24	1.98
	613	93	1.961	35.10	227.35	23.15	1.74
	614	93	1.921	29.31	172.96	18.37	1.28
	615	93	2.104	31.07	183.46	25.16	1.37
	616	93	2.156	34.33	180.59	22.09	1.53
	617	93	2.062	28.08	162.48	15.96	0.92
	618	93	1.878	32.37	185.84	23.80	1.85
	619	93	1.979	32.04	197.23	17.60	1.58
	620	93	2.099	28.82	170.96	16.63	1.38
E3M	701	92	2.124	28.60	174.62	11.55	1.47
	702	92	2.035	28.76	173.94	18.06	1.44
	703	92	2.069	28.30	195.14	19.21	2.27
	704	92	2.107	29.14	177.14	18.39	1.53
	705	92	1.997	31.30	190.83	17.96	1.53
	706	92	1.991	25.43	171.52	14.80	1.83
	707	92	2.188	32.88	176.44	18.23	1.40
	708	92	1.988	33.83	197.30	23.30	1.37
	709	92	2.050	33.48	190.50	21.18	1.81
	710	92	1.999	33.78	193.14	25.07	2.26
	711	93	1.889	32.40	194.90	16.70	1.25
	712	93	2.061	30.25	199.83	15.20	1.26
	713	93	2.120	28.88	168.28	16.68	1.66
	714	93	2.113	28.94	182.90	19.44	1.31

Table D-5. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight	Spleen	Testes	Thymus	Thyroid Glands
E3M	715	93	2.043	30.69	177.22	23.14	1.90
	716	93	2.111	32.65	163.23	20.70	1.72
	717	93	2.007	33.66	182.42	18.07	1.48
	718	93	2.017	27.25	173.05	14.23	1.26
	719	93	2.185	36.17	196.88	22.98	1.42
	720	93	2.047	24.30	164.95	15.13	1.42
	E6M	801	92	1.962	27.68	181.51	16.31
802		92	2.054	28.92	159.87	25.73	1.17
803		92	1.884	35.87	190.80	16.30	1.50
804		92	2.140	26.50	173.08	18.63	1.40
805		92	1.950	25.57	196.84	16.77	1.62
806		92	2.054	31.59	201.26	9.78	1.25
807		92	2.030	24.36	164.30	17.96	0.68
808		92	2.108	22.14	187.54	12.97	1.06
809		92	2.032	30.59	176.96	24.00	1.06
810		92	1.928	25.49	171.91	12.37	1.24
811		93	2.005	28.63	160.87	19.08	1.21
812		93	2.064	31.96	201.71	14.21	1.23
813		93	2.002	27.60	37.82	14.88	1.34
814		93	2.025	26.09	176.34	15.98	0.91
815		93	2.202	25.94	161.01	15.35	0.82
816		93	1.940	29.45	163.56	18.75	2.02
817		93	1.994	27.98	195.32	16.93	1.65
818		93	2.014	26.37	186.06	20.19	1.44
819		93	2.007	26.92	208.75	21.32	1.12
820		93	2.070	26.37	181.56	18.77	1.32

Table D-6. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Adrenal Glands	Heart	Kidneys	Liver	Lungs
CF	151	93	1.804	3.11	36.78	68.34	287.19	99.20
	152	93	1.869	3.37	39.69	75.51	279.96	125.21
	153	93	1.749	3.21	38.81	70.47	274.34	89.40
	154	93	1.908	3.88	38.53	69.55	276.10	112.14
	155	93	1.939	2.57	37.84	78.92	270.55	127.18
	156	93	1.889	2.97	35.76	67.52	305.69	119.19
	157	93	1.758	3.27	40.35	71.61	288.28	127.76
	158	93	1.865	3.09	34.57	75.27	272.41	90.92
	159	93	1.891	3.38	46.18	72.64	292.03	95.04
	160	93	1.864	3.79	37.31	72.69	272.32	81.88
	161	94	2.012	3.43	36.82	69.32	267.91	122.89
	162	94	1.875	2.86	40.79	70.21	285.16	91.47
	163	94	1.815	3.06	37.95	66.69	253.72	127.76
	164	94	1.919	4.11	41.25	79.81	290.84	138.68
	165	94	1.903	3.41	42.42	75.00	265.19	139.33
	166	94	1.944	3.08	38.59	67.89	276.78	123.93
	167	94	1.807	3.56	41.97	75.47	290.09	117.80
	168	94	1.878	3.19	36.65	70.17	277.89	112.41
	169	94	1.998	3.57	40.49	86.44	319.37	93.65
	170	94	2.000	4.68	36.03	71.57	298.88	121.66
NT6F	251	93	1.915	2.98	34.95	57.88	242.33	126.39
	252	93	1.741	3.30	37.96	74.88	312.50	122.72
	253	93	1.853	2.60	31.35	57.35	241.02	115.02
	254	93	1.873	2.95	32.59	68.62	284.77	115.57
	255	93	1.831	2.73	33.66	67.30	274.12	134.39
	256	93	1.949	3.08	36.84	66.29	240.20	101.40
	257	93	2.033	3.08	33.47	62.19	234.12	83.61

Table D-6. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Adrenal Glands	Heart	Kidneys	Liver	Lungs
NT6F	258	93	1.971	2.97	34.99	62.69	263.30	123.78
	259	93	1.683	2.27	33.95	70.85	320.83	93.43
	260	93	1.713	2.92	30.97	57.25	205.07	77.53
	261	94	1.831	3.54	34.41	61.41	245.90	91.17
	262	94	1.868	3.12	36.32	64.34	267.50	80.42
	263	94	1.831	2.72	41.03	68.41	276.72	124.03
	264	94	1.782	2.93	34.44	61.35	247.07	89.93
	265	94	1.940	3.07	40.16	72.27	299.68	124.05
	266	94	1.826	3.74	35.98	61.54	267.95	129.93
	267	94	1.877	2.82	37.84	76.61	290.97	144.06
	268	94	1.755	2.75	34.55	65.43	262.98	118.58
	269	94	1.786	3.82	35.66	68.62	247.32	84.64
	270	94	1.821	2.97	40.12	67.87	264.03	134.02
B0.3F	351	93	1.683	5.06	40.54	76.56	316.67	128.35
	352	93	1.879	3.37	39.27	82.76	312.65	97.15
	353	93	1.841	3.83	43.88	69.24	299.03	134.85
	354	93	1.845	3.54	39.18	79.67	300.82	101.65
	355	93	1.781	3.66	43.43	78.15	341.53	154.42
	356	93	1.775	3.82	42.09	68.27	275.73	143.03
	357	93	1.773	3.55	39.44	68.54	264.94	99.84
	358	93	1.685	3.35	38.45	70.64	310.79	119.11
	359	93	1.973	3.48	41.86	73.40	287.84	137.59
	360	93	1.762	3.24	44.11	75.21	296.44	124.05
	361	94	1.958	3.94	40.27	78.96	287.73	120.36
	362	94	1.887	3.26	40.70	75.91	282.60	135.10
	363	94	1.898	3.04	39.35	75.97	294.20	97.66
	364	94	1.917	2.67	41.26	78.60	271.40	101.78

Table D-6. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Adrenal Glands	Heart	Kidneys	Liver	Lungs
B0.3F	365	94	1.889	3.22	33.49	63.25	266.13	129.05
	366	94	1.836	3.77	37.94	73.96	296.69	142.51
	367	94	1.949	2.99	36.96	72.82	288.38	119.82
	368	94	1.991	3.54	38.36	78.70	283.43	97.16
	369	94	1.810	2.80	35.55	72.47	286.40	120.78
	370	94	1.999	3.71	35.76	73.22	258.94	90.81
B3F	451	93	1.784	2.55	35.92	64.60	244.04	101.94
	452	93	1.782	3.42	36.81	75.03	290.00	87.34
	453	93	1.831	4.04	37.98	72.01	272.43	141.41
	454	93	1.877	2.94	37.31	70.73	260.87	129.36
	456	93	1.911	4.08	36.72	65.93	269.35	115.46
	457	93	1.968	3.67	40.80	81.07	271.79	121.58
	458	93	1.913	3.42	33.05	62.49	248.24	112.70
	459	93	1.836	3.37	43.40	75.82	306.73	136.50
	460	93	1.938	2.86	31.48	59.97	253.42	104.15
	461	94	1.939	3.45	34.30	60.90	242.12	125.59
	462	94	1.842	3.80	38.30	71.95	269.61	93.53
	463	94	1.765	3.68	45.83	78.51	289.22	131.66
	464	94	1.958	3.49	32.25	64.98	264.22	103.93
	465	94	1.689	3.96	42.08	82.53	308.37	113.46
	466	94	1.928	3.18	39.91	68.05	257.66	141.36
	467	94	1.806	3.73	37.94	70.45	332.87	144.83
	468	94	2.043	3.64	34.81	67.97	268.37	119.73
	469	94	1.904	2.49	37.15	76.08	298.93	149.49
	470	94	1.796	3.12	36.80	61.09	253.34	148.85

Table D-6. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Adrenal Glands	Heart	Kidneys	Liver	Lungs
B6F	551	93	1.880	3.12	32.73	70.99	269.04	105.25
	552	93	1.817	2.02	30.33	58.64	238.40	93.84
	553	93	1.750	3.40	37.35	66.93	263.80	90.09
	554	93	1.731	3.77	41.56	77.88	324.35	149.08
	555	93	1.827	3.86	38.77	77.14	318.98	101.78
	556	93	1.827	3.21	37.41	64.72	263.80	110.63
	557	93	1.945	2.94	30.20	60.72	263.94	77.07
	558	93	1.891	2.88	33.74	68.80	252.54	118.87
	559	93	1.825	2.38	28.23	52.48	229.04	75.58
	560	93	1.912	2.46	29.35	70.85	235.42	105.99
	561	94	1.707	3.05	38.53	65.41	294.79	84.68
	562	94	1.905	2.99	33.66	63.59	247.32	114.17
	563	94	1.583	3.47	33.90	63.96	273.57	96.27
	564	94	1.786	2.49	36.59	66.41	263.93	138.52
	565	94	1.823	3.10	32.03	66.41	237.06	131.59
	566	94	1.930	2.60	35.88	73.41	278.56	116.20
	567	94	1.992	2.96	35.31	71.18	296.98	96.50
	568	94	1.888	3.08	36.33	64.02	283.20	88.84
	569	94	1.921	2.44	34.09	67.87	254.24	102.73
	570	94	1.842	2.87	33.26	69.26	295.18	86.97
E0.3F	651	93	1.875	3.76	38.88	67.66	284.93	120.41
	652	93	1.986	3.40	35.75	64.60	255.08	111.26
	653	93	1.776	3.85	43.12	71.45	335.66	141.07
	654	93	1.828	3.76	39.53	74.68	280.01	151.01
	655	93	1.796	3.39	33.99	66.50	262.07	98.31
	656	93	1.909	3.03	34.59	73.49	280.83	75.43
	657	93	1.883	3.73	37.49	71.30	286.31	87.00

Table D-6. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Adrenal Glands	Heart	Kidneys	Liver	Lungs
E0.3F	658	93	1.882	3.33	36.26	78.36	291.63	90.66
	659	93	1.800	3.25	37.22	68.01	242.86	105.40
	660	93	1.967	4.41	34.64	74.65	288.72	109.96
	661	94	1.792	3.27	45.91	82.34	320.86	113.36
	662	94	1.901	3.57	34.69	72.84	262.15	143.93
	663	94	1.892	3.06	37.57	76.25	279.20	138.94
	664	94	1.869	3.42	38.39	75.92	300.83	131.54
	665	94	1.989	3.65	40.15	76.13	295.77	143.49
	666	94	1.855	3.30	34.88	66.65	250.75	122.98
	667	94	1.825	2.65	38.19	68.15	289.00	111.82
	668	94	1.849	3.89	39.42	68.01	267.03	132.77
	669	94	1.724	3.50	41.22	67.66	291.34	104.33
	670	94	2.021	2.79	34.22	67.34	263.86	109.83
E3F	751	93	1.956	4.51	38.69	70.82	288.87	140.88
	752	93	1.824	2.74	33.86	70.75	242.46	128.12
	753	93	2.011	3.09	42.21	75.17	300.37	143.06
	754	93	2.016	3.13	36.77	65.93	257.38	147.79
	755	93	1.939	3.50	35.80	70.78	276.08	103.47
	756	93	1.930	3.44	34.44	64.33	306.68	89.19
	757	93	1.843	3.80	36.93	64.85	269.81	95.83
	758	93	1.898	4.37	39.77	81.52	349.43	151.76
	759	93	1.882	2.58	38.63	71.06	246.88	81.96
	760	93	1.905	3.48	38.87	68.67	228.33	115.97
	761	94	1.944	2.54	34.03	69.45	251.41	121.91
	762	94	1.946	3.19	36.64	65.49	226.12	110.73
	763	94	1.905	3.13	37.52	64.20	258.30	105.21
	764	94	1.898	3.91	39.50	78.78	314.94	140.11

Table D-6. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Adrenal Glands	Heart	Kidneys	Liver	Lungs
E3F	765	94	1.737	3.36	43.40	82.56	322.53	129.03
	766	94	2.005	2.95	34.72	70.31	266.11	141.54
	767	94	1.825	4.04	38.10	75.89	334.77	88.78
	768	94	1.983	4.60	39.53	71.76	280.64	167.78
	769	94	1.914	2.81	37.78	76.91	311.33	144.71
	770	94	1.915	2.98	36.38	70.24	283.60	114.36
E6F	851	93	1.916	2.73	32.52	66.98	261.71	107.80
	852	93	1.828	2.66	31.68	63.91	242.11	76.53
	853	93	1.877	3.17	35.82	70.75	308.46	89.40
	854	93	1.808	2.75	38.09	61.83	288.44	122.53
	855	93	1.863	3.55	34.07	69.40	274.66	125.21
	856	93	1.829	2.76	36.95	64.01	267.42	81.79
	857	93	1.876	3.17	36.23	62.69	253.12	118.92
	858	93	1.708	3.57	32.05	68.57	232.45	101.11
	859	93	1.746	2.78	34.62	61.47	272.72	77.35
	860	93	1.791	3.20	34.87	74.53	324.72	111.23
	861	94	1.749	2.49	37.19	67.59	284.78	98.81
	862	94	1.881	3.00	36.01	69.17	262.37	109.21
	863	94	2.031	2.94	29.87	61.79	238.84	118.82
	864	94	1.788	3.46	36.32	68.80	276.35	128.68
	865	94	1.896	2.82	32.74	69.97	249.35	93.90
	866	94	1.835	2.25	30.99	63.55	261.85	106.05
	867	94	1.938	3.02	29.79	61.21	243.15	88.90
	868	94	1.743	3.06	31.91	57.14	254.86	83.15
	869	94	1.860	2.76	33.86	63.98	276.87	115.37
	870	94	1.775	3.52	34.10	72.27	300.67	98.81

Table D-6. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Ovaries	Pituitary Gland	Salivary Gland	Spleen	Thymus
CF	151	93	1.804	4.12	0.92	27.90	25.17	17.55
	152	93	1.869	4.70	1.03	23.95	18.69	16.43
	153	93	1.749	5.05	0.98	22.08	24.71	15.57
	154	93	1.908	4.30	0.96	23.38	26.01	18.52
	155	93	1.939	4.95	0.75	22.12	24.27	17.30
	156	93	1.889	5.51	1.07	24.68	19.23	18.82
	157	93	1.758	6.01	0.72	19.38	28.12	22.38
	158	93	1.865	4.05	0.83	21.99	23.04	15.22
	159	93	1.891	5.88	0.94	25.03	30.55	15.17
	160	93	1.864	5.26	0.87	23.19	25.21	18.55
	161	94	2.012	5.07	0.98	20.47	21.41	15.76
	162	94	1.875	4.94	0.80	23.26	21.97	15.86
	163	94	1.815	4.21	0.89	22.09	22.11	15.92
	164	94	1.919	4.69	0.92	21.40	24.53	23.41
	165	94	1.903	4.19	0.75	22.43	21.63	13.36
	166	94	1.944	3.96	0.85	24.98	21.74	12.75
	167	94	1.807	5.38	0.99	25.94	22.30	15.20
	168	94	1.878	5.57	1.01	24.99	22.44	14.60
	169	94	1.998	6.66	0.93	26.15	24.25	16.43
	170	94	2.000	5.47	0.79	25.06	24.71	16.15
NT6F	251	93	1.915	4.09	0.85	26.23	19.60	12.49
	252	93	1.741	5.19	0.78	28.29	23.00	17.36
	253	93	1.853	3.93	0.79	23.44	22.86	15.37
	254	93	1.873	4.30	0.84	23.77	24.15	14.68
	255	93	1.831	4.46	0.73	22.03	23.37	11.48
	256	93	1.949	4.32	0.81	23.74	20.91	11.66
	257	93	2.033	4.40	0.63	22.52	18.68	12.02

Table D-6. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Ovaries	Pituitary Gland	Salivary Gland	Spleen	Thymus
NT6F	258	93	1.971	3.98	0.88	22.58	25.98	13.95
	259	93	1.683	5.70	0.94	27.40	30.34	25.86
	260	93	1.713	4.67	0.76	21.64	20.64	10.35
	261	94	1.831	6.20	0.91	21.64	20.48	16.25
	262	94	1.868	5.04	0.77	27.03	18.13	11.93
	263	94	1.831	4.12	0.88	26.04	25.38	12.95
	264	94	1.782	6.42	0.77	19.89	27.94	14.43
	265	94	1.940	5.13	0.89	22.63	23.40	18.13
	266	94	1.826	5.41	0.60	23.71	24.51	21.06
	267	94	1.877	4.55	0.87	23.12	22.86	14.62
	268	94	1.755	4.52	1.00	27.95	22.73	19.27
	269	94	1.786	5.65	0.83	25.39	17.91	18.14
	270	94	1.821	4.62	0.82	20.69	20.71	13.03
B0.3F	351	93	1.683	6.67	1.07	26.24	28.97	20.26
	352	93	1.879	4.76	0.95	23.98	27.62	17.20
	353	93	1.841	4.12	0.94	25.50	19.57	13.69
	354	93	1.845	4.92	0.82	24.21	24.59	15.88
	355	93	1.781	5.21	0.93	28.05	31.57	22.26
	356	93	1.775	5.11	0.92	22.30	28.93	20.53
	357	93	1.773	5.52	0.86	25.68	29.51	18.23
	358	93	1.685	5.13	1.01	25.67	23.02	19.31
	359	93	1.973	4.28	0.83	24.70	26.94	18.62
	360	93	1.762	6.56	0.76	23.60	23.49	20.90
	361	94	1.958	5.17	0.89	25.85	26.05	17.32
	362	94	1.887	5.10	0.89	24.53	19.57	19.20
	363	94	1.898	5.06	0.91	23.37	21.39	16.81
	364	94	1.917	5.27	0.98	23.24	25.39	16.82

Table D-6. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Ovaries	Pituitary Gland	Salivary Gland	Spleen	Thymus
B0.3F	365	94	1.889	5.41	0.84	22.44	24.31	15.24
	366	94	1.836	7.66	1.06	24.74	24.95	17.95
	367	94	1.949	6.85	0.95	26.12	16.58	14.42
	368	94	1.991	6.86	0.92	26.93	24.99	17.68
	369	94	1.810	5.42	0.74	22.85	27.44	16.42
	370	94	1.999	5.88	0.77	22.97	18.89	15.32
B3F	451	93	1.784	5.02	0.83	23.52	20.86	11.67
	452	93	1.782	4.15	0.98	23.84	20.83	18.00
	453	93	1.831	4.31	0.98	26.68	21.27	14.17
	454	93	1.877	7.04	0.96	19.81	25.29	14.89
	456	93	1.911	4.31	0.95	24.44	19.87	12.75
	457	93	1.968	4.89	0.96	25.35	23.84	19.70
	458	93	1.913	4.90	1.07	23.89	20.66	13.06
	459	93	1.836	6.00	0.93	26.73	25.41	13.83
	460	93	1.938	5.06	0.64	21.89	22.16	14.15
	461	94	1.939	5.03	0.78	23.84	21.51	12.20
	462	94	1.842	4.78	0.87	23.72	20.88	14.24
	463	94	1.765	4.31	1.00	25.19	24.41	13.12
	464	94	1.958	4.41	0.83	24.61	22.61	18.87
	465	94	1.689	5.02	1.05	27.24	25.55	22.46
	466	94	1.928	5.11	0.91	26.33	23.14	11.77
	467	94	1.806	5.46	0.95	22.84	24.05	19.06
	468	94	2.043	4.83	0.77	22.94	26.53	16.73
	469	94	1.904	5.68	1.03	29.16	26.07	17.49
	470	94	1.796	5.24	0.95	21.41	19.64	18.27

Table D-6. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Ovaries	Pituitary Gland	Salivary Gland	Spleen	Thymus
B6F	551	93	1.880	4.77	0.78	24.03	22.55	10.72
	552	93	1.817	3.23	0.68	19.69	19.19	11.41
	553	93	1.750	4.66	0.88	28.49	24.05	14.82
	554	93	1.731	4.99	0.95	26.14	27.26	23.12
	555	93	1.827	2.88	1.12	31.00	23.57	15.83
	556	93	1.827	5.85	0.92	27.89	19.47	14.26
	557	93	1.945	5.14	0.89	21.98	18.72	14.33
	558	93	1.891	5.60	0.95	25.85	22.02	16.67
	559	93	1.825	5.30	0.68	19.42	20.25	13.07
	560	93	1.912	4.18	0.78	19.32	22.28	12.99
	561	94	1.707	5.06	0.88	24.23	22.57	14.16
	562	94	1.905	3.98	0.66	22.36	21.56	11.46
	563	94	1.583	3.24	0.79	23.37	25.94	14.90
	564	94	1.786	4.51	0.75	25.37	22.73	11.12
	565	94	1.823	4.56	0.62	28.83	23.56	14.79
	566	94	1.930	4.70	0.77	21.24	28.26	16.95
	567	94	1.992	4.72	0.94	21.04	22.35	19.98
	568	94	1.888	3.90	0.79	24.36	23.69	13.85
	569	94	1.921	5.11	0.61	23.66	19.11	18.29
	570	94	1.842	5.72	0.84	25.22	24.17	18.01
E0.3F	651	93	1.875	5.81	0.76	29.02	22.33	18.40
	652	93	1.986	3.91	1.03	23.34	22.47	21.75
	653	93	1.776	4.88	0.93	27.16	24.74	14.97
	654	93	1.828	7.27	1.03	23.49	23.74	18.11
	655	93	1.796	6.99	0.92	23.01	26.22	12.77
	656	93	1.909	4.05	0.92	25.17	24.73	23.41
	657	93	1.883	5.93	0.83	23.80	21.28	12.08

Table D-6. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Ovaries	Pituitary Gland	Salivary Gland	Spleen	Thymus
E0.3F	658	93	1.882	4.84	0.95	23.28	27.89	23.06
	659	93	1.800	4.42	0.72	22.88	21.12	16.39
	660	93	1.967	4.73	0.92	21.74	25.26	15.27
	661	94	1.792	5.38	0.80	23.63	22.56	22.23
	662	94	1.901	3.97	0.99	27.92	20.01	18.15
	663	94	1.892	4.44	1.03	22.59	24.21	16.96
	664	94	1.869	6.03	1.05	24.54	23.82	12.37
	665	94	1.989	5.16	1.07	22.71	26.18	16.95
	666	94	1.855	5.35	0.86	17.76	24.90	18.58
	667	94	1.825	5.55	1.02	24.39	27.04	23.27
	668	94	1.849	4.47	0.96	23.09	20.79	17.37
	669	94	1.724	5.49	0.91	25.89	26.30	12.52
	670	94	2.021	4.66	0.84	20.70	19.93	13.33
E3F	751	93	1.956	4.78	0.82	23.21	24.53	11.10
	752	93	1.824	3.71	0.70	20.02	17.19	11.09
	753	93	2.011	3.25	0.75	23.57	28.39	11.88
	754	93	2.016	4.40	0.78	23.61	22.85	13.46
	755	93	1.939	5.89	0.73	22.73	26.93	16.23
	756	93	1.930	5.16	1.02	21.09	22.82	9.88
	757	93	1.843	4.28	0.72	23.07	19.33	11.50
	758	93	1.898	6.06	0.97	27.74	25.86	16.55
	759	93	1.882	5.64	0.71	21.03	20.50	16.64
	760	93	1.905	3.85	0.89	21.07	16.62	12.47
	761	94	1.944	4.17	0.95	24.52	18.62	21.99
	762	94	1.946	4.02	0.77	23.58	19.78	10.79
	763	94	1.905	4.49	0.89	24.20	23.89	16.53
	764	94	1.898	5.26	1.14	25.96	25.16	17.87

Table D-6. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Ovaries	Pituitary Gland	Salivary Gland	Spleen	Thymus
E3F	765	94	1.737	4.28	1.32	27.67	30.15	13.70
	766	94	2.005	5.64	0.94	22.44	22.83	13.62
	767	94	1.825	5.90	0.99	28.29	27.84	18.40
	768	94	1.983	6.67	0.84	20.82	19.99	15.60
	769	94	1.914	6.59	1.04	25.62	22.53	14.94
	770	94	1.915	5.27	0.91	25.75	22.11	17.64
E6F	851	93	1.916	3.62	0.68	19.95	21.51	12.27
	852	93	1.828	3.99	0.82	28.56	20.54	12.98
	853	93	1.877	4.86	0.69	28.34	22.45	19.83
	854	93	1.808	4.13	0.82	23.57	18.56	17.63
	855	93	1.863	4.41	0.90	26.41	22.50	10.69
	856	93	1.829	4.33	0.89	23.49	24.15	12.08
	857	93	1.876	4.67	0.80	26.13	18.02	18.59
	858	93	1.708	5.21	0.84	26.77	21.10	14.28
	859	93	1.746	4.83	0.84	23.63	21.77	18.22
	860	93	1.791	5.27	0.69	25.20	23.75	18.73
	861	94	1.749	4.54	0.99	25.42	24.31	17.42
	862	94	1.881	4.43	0.93	23.21	21.81	17.75
	863	94	2.031	3.28	0.77	24.85	21.00	11.19
	864	94	1.788	5.40	0.83	24.77	26.36	19.01
	865	94	1.896	4.75	0.59	23.62	23.34	14.66
	866	94	1.835	4.19	0.84	24.41	18.38	13.45
	867	94	1.938	4.51	0.92	18.84	19.91	11.93
	868	94	1.743	3.63	0.77	24.03	24.50	17.02
	869	94	1.860	4.45	0.73	22.36	19.25	16.04
	870	94	1.775	4.59	0.97	24.95	21.79	13.12

Table D-6. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Thyroid Glands	Uterus
CF	151	93	1.804	1.20	56.03
	152	93	1.869	1.62	46.33
	153	93	1.749	1.34	40.99
	154	93	1.908	1.62	139.63
	155	93	1.939	1.02	25.80
	156	93	1.889	1.03	32.05
	157	93	1.758	1.96	28.18
	158	93	1.865	1.34	35.02
	159	93	1.891	1.58	30.02
	160	93	1.864	1.42	44.32
	161	94	2.012	1.40	18.67
	162	94	1.875	1.61	24.93
	163	94	1.815	1.69	34.52
	164	94	1.919	1.56	27.12
	165	94	1.903	1.21	57.95
	166	94	1.944	0.78	23.76
	167	94	1.807	1.58	43.01
168	94	1.878	1.68	45.01	
169	94	1.998	1.09	66.26	
170	94	2.000	1.30	37.14	
NT6F	251	93	1.915	0.95	23.07
	252	93	1.741	0.99	41.53
	253	93	1.853	1.30	32.04
	254	93	1.873	0.92	57.19
	255	93	1.831	0.95	23.82
	256	93	1.949	0.86	22.07
	257	93	2.033	1.38	23.03

Table D-6. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Thyroid Glands	Uterus
NT6F	258	93	1.971	1.32	19.91
	259	93	1.683	1.82	48.17
	260	93	1.713	1.02	22.59
	261	94	1.831	1.25	47.06
	262	94	1.868	1.49	82.16
	263	94	1.831	1.65	30.89
	264	94	1.782	1.24	22.31
	265	94	1.940	1.09	40.29
	266	94	1.826	1.16	37.16
	267	94	1.877	1.40	28.09
	268	94	1.755	1.92	55.72
	269	94	1.786	1.32	27.05
	270	94	1.821	1.60	25.03
B0.3F	351	93	1.683	2.11	36.27
	352	93	1.879	1.77	29.16
	353	93	1.841	1.36	42.81
	354	93	1.845	1.28	21.00
	355	93	1.781	2.02	29.17
	356	93	1.775	1.13	26.75
	357	93	1.773	1.51	32.05
	358	93	1.685	1.78	29.24
	359	93	1.973	1.64	22.87
	360	93	1.762	1.55	20.46
	361	94	1.958	1.16	25.91
	362	94	1.887	1.45	20.54
	363	94	1.898	1.32	38.61
	364	94	1.917	1.09	26.93

Table D-6. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Thyroid Glands	Uterus
B0.3F	365	94	1.889	1.31	38.62
	366	94	1.836	1.39	20.16
	367	94	1.949	1.12	26.88
	368	94	1.991	1.00	30.88
	369	94	1.810	1.35	22.32
	370	94	1.999	1.51	31.55
B3F	451	93	1.784	1.33	18.94
	452	93	1.782	1.83	85.99
	453	93	1.831	1.65	36.80
	454	93	1.877	1.15	26.96
	456	93	1.911	1.30	27.76
	457	93	1.968	0.77	23.88
	458	93	1.913	1.70	42.66
	459	93	1.836	1.65	27.18
	460	93	1.938	1.06	23.81
	461	94	1.939	1.56	35.42
	462	94	1.842	1.42	25.66
	463	94	1.765	1.41	66.76
	464	94	1.958	1.34	39.64
	465	94	1.689	1.46	33.75
	466	94	1.928	1.19	21.88
	467	94	1.806	1.23	30.99
	468	94	2.043	1.05	37.76
469	94	1.904	1.22	64.30	
470	94	1.796	1.35	46.29	

Table D-6. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Thyroid Glands	Uterus
B6F	551	93	1.880	1.52	37.87
	552	93	1.817	1.24	81.15
	553	93	1.750	1.15	69.81
	554	93	1.731	1.36	21.82
	555	93	1.827	1.39	37.39
	556	93	1.827	1.82	29.26
	557	93	1.945	1.44	40.00
	558	93	1.891	1.27	75.52
	559	93	1.825	1.49	40.43
	560	93	1.912	1.77	44.52
	561	94	1.707	1.34	20.68
	562	94	1.905	0.98	25.61
	563	94	1.583	1.59	48.09
	564	94	1.786	1.00	16.99
	565	94	1.823	1.21	22.68
	566	94	1.930	1.52	26.25
	567	94	1.992	1.47	102.11
	568	94	1.888	1.11	58.38
	569	94	1.921	1.40	21.75
	570	94	1.842	1.64	74.90
E0.3F	651	93	1.875	1.46	28.78
	652	93	1.986	1.40	27.31
	653	93	1.776	1.76	30.93
	654	93	1.828	1.58	58.05
	655	93	1.796	2.00	24.59
	656	93	1.909	1.19	71.15
	657	93	1.883	1.21	25.93

Table D-6. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Thyroid Glands	Uterus
E0.3F	658	93	1.882	1.29	57.31
	659	93	1.800	1.76	17.50
	660	93	1.967	1.46	41.78
	661	94	1.792	1.30	30.38
	662	94	1.901	1.16	56.88
	663	94	1.892	1.47	21.54
	664	94	1.869	1.47	26.25
	665	94	1.989	1.32	31.53
	666	94	1.855	1.61	30.34
	667	94	1.825	1.39	22.15
	668	94	1.849	1.23	35.70
	669	94	1.724	1.55	39.52
	670	94	2.021	1.34	26.65
E3F	751	93	1.956	1.24	23.37
	752	93	1.824	1.44	22.03
	753	93	2.011	1.05	33.57
	754	93	2.016	1.60	47.74
	755	93	1.939	1.34	39.76
	756	93	1.930	1.35	40.87
	757	93	1.843	1.31	25.46
	758	93	1.898	1.59	66.94
	759	93	1.882	1.18	22.29
	760	93	1.905	1.41	24.72
	761	94	1.944	1.46	45.92
	762	94	1.946	1.59	24.87
	763	94	1.905	1.77	54.98
	764	94	1.898	1.46	40.19

Table D-6. Individual Animal Brain Weights (g) and Percent Organ to Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Thyroid Glands	Uterus
E3F	765	94	1.737	1.28	79.03
	766	94	2.005	1.51	76.21
	767	94	1.825	1.42	106.87
	768	94	1.983	1.45	41.01
	769	94	1.914	1.24	30.14
	770	94	1.915	1.14	58.94
E6F	851	93	1.916	0.97	56.32
	852	93	1.828	0.98	56.59
	853	93	1.877	1.64	29.46
	854	93	1.808	1.50	29.25
	855	93	1.863	1.11	26.19
	856	93	1.829	1.04	20.23
	857	93	1.876	1.62	48.55
	858	93	1.708	1.50	61.99
	859	93	1.746	1.45	42.18
	860	93	1.791	1.31	48.64
	861	94	1.749	1.80	21.47
	862	94	1.881	1.47	19.68
	863	94	2.031	1.47	29.38
	864	94	1.788	1.08	52.70
	865	94	1.896	1.18	45.02
	866	94	1.835	1.28	23.00
	867	94	1.938	1.64	40.92
	868	94	1.743	1.69	48.26
	869	94	1.860	1.69	104.63
	870	94	1.775	1.32	38.15

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 101	Group: CM	
Day of Death: 92	Terminal Body Weight: 403.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 102	Group: CM	
Day of Death: 92	Terminal Body Weight: 334.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.
Preputial Gland	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 103	Group: CM	
Day of Death: 92	Terminal Body Weight: 373.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 104	Group: CM	
Day of Death: 92	Terminal Body Weight: 374.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.
Lung	No gross observed on tissue.	Infiltrate, perivascular, mixed cell, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 105	Group: CM	
Day of Death: 92	Terminal Body Weight: 351.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 106	Group: CM	
Day of Death: 92	Terminal Body Weight: 331.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 107	Group: CM	
Day of Death: 92	Terminal Body Weight: 401.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 108	Group: CM	
Day of Death: 92	Terminal Body Weight: 371.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Inflammation, minimal.
Lung	No gross observed on tissue.	Metaplasia, osseous, minimal.
Preputial Gland	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 109	Group: CM	
Day of Death: 92	Terminal Body Weight: 397.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 110	Group: CM	
Day of Death: 92	Terminal Body Weight: 379.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal. Infiltrate, perivascular, mixed cell, minimal.
Pharynx	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 111	Group: CM	
Day of Death: 93	Terminal Body Weight: 374.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal. Inflammation, minimal. Infiltrate, perivascular, mixed cell, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 112	Group: CM	
Day of Death: 93	Terminal Body Weight: 392.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal. Infiltrate, perivascular, mixed cell, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Prostate	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Pharynx; Pituitary Gland; Preputial Gland; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 113	Group: CM	
Day of Death: 93	Terminal Body Weight: 391.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal. Inflammation, minimal. Mineralization, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 114	Group: CM	
Day of Death: 93	Terminal Body Weight: 382.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Liver	No gross observed on tissue.	Inflammation, minimal.
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal. Mineralization, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 115	Group: CM	
Day of Death: 93	Terminal Body Weight: 357.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 116	Group: CM	
Day of Death: 93	Terminal Body Weight: 381.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 117	Group: CM	
Day of Death: 93	Terminal Body Weight: 408.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 118	Group: CM	
Day of Death: 93	Terminal Body Weight: 397.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Liver	No gross observed on tissue.	Inflammation, minimal.
Lung	No gross observed on tissue.	Inflammation, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 119	Group: CM	
Day of Death: 93	Terminal Body Weight: 417.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal. Infiltrate, perivascular, mixed cell, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Preputial Gland	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Pharynx; Pituitary Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 120	Group: CM	
Day of Death: 93	Terminal Body Weight: 373.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Hydronephrosis, mild.
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 201	Group: NT6M	
Day of Death: 92	Terminal Body Weight: 370.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Parathyroid	No gross observed on tissue.	Tissue is missing.
Preputial Gland	No gross observed on tissue.	Inflammation, mild.
Stomach	No gross observed on tissue.	Inflammation, glandular region, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Pharynx; Pituitary Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 202	Group: NT6M	
Day of Death: 92	Terminal Body Weight: 269.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Cecum	No gross observed on tissue.	Inflammation, minimal.
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.
Lung	No gross observed on tissue.	Inflammation, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 203	Group: NT6M	
Day of Death: 92	Terminal Body Weight: 326.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Brain	No gross observed on tissue.	Tissue is unremarkable. Note: hippocampus = missing.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Preputial Gland	No gross observed on tissue.	Tissue is missing.
Prostate	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 204	Group: NT6M	
Day of Death: 92	Terminal Body Weight: 313.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 205	Group: NT6M	
Day of Death: 92	Terminal Body Weight: 305.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.
Preputial Gland	No gross observed on tissue.	Inflammation, mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 206	Group: NT6M	
Day of Death: 92	Terminal Body Weight: 341.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal. Infiltrate, perivascular, mixed cell, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 207	Group: NT6M	
Day of Death: 92	Terminal Body Weight: 305.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Hydronephrosis, minimal.
Lung	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 208	Group: NT6M	
Day of Death: 92	Terminal Body Weight: 357.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Stomach	No gross observed on tissue.	Inflammation, glandular region, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 209	Group: NT6M	
Day of Death: 92	Terminal Body Weight: 335.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Hydronephrosis, mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 210	Group: NT6M	
Day of Death: 92	Terminal Body Weight: 343.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Metaplasia, osseous, minimal. Inflammation, minimal.
Thyroid Gland	No gross observed on tissue.	Cyst(s), present.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 211	Group: NT6M	
Day of Death: 93	Terminal Body Weight: 315.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 212	Group: NT6M	
Day of Death: 93	Terminal Body Weight: 330.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Cecum	No gross observed on tissue.	Inflammation, minimal.
Prostate	No gross observed on tissue.	Inflammation, mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 213	Group: NT6M	
Day of Death: 93	Terminal Body Weight: 315.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 214	Group: NT6M	
Day of Death: 93	Terminal Body Weight: 351.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 215	Group: NT6M	
Day of Death: 93	Terminal Body Weight: 347.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.
Pituitary Gland	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 216	Group: NT6M	
Day of Death: 93	Terminal Body Weight: 314.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 217	Group: NT6M	
Day of Death: 93	Terminal Body Weight: 278.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Cecum	No gross observed on tissue.	Inflammation, minimal.
Thyroid Gland	No gross observed on tissue.	Cyst(s), present.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 218	Group: NT6M	
Day of Death: 93	Terminal Body Weight: 337.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Hydronephrosis, minimal.
Prostate	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 219	Group: NT6M	
Day of Death: 93	Terminal Body Weight: 350.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 220	Group: NT6M	
Day of Death: 93	Terminal Body Weight: 373.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Preputial Gland	No gross observed on tissue.	Tissue is missing.
Prostate	No gross observed on tissue.	Inflammation, mild.
Urinary Bladder	No gross observed on tissue.	Amyloid deposition, submucosa, moderate.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 501	Group: B6M	
Day of Death: 92	Terminal Body Weight: 343.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Stomach	No gross observed on tissue.	Inflammation, glandular region, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 502	Group: B6M	
Day of Death: 92	Terminal Body Weight: 299.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 503	Group: B6M	
Day of Death: 92	Terminal Body Weight: 303.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.
Preputial Gland	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 504	Group: B6M	
Day of Death: 92	Terminal Body Weight: 329.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Liver	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 505	Group: B6M	
Day of Death: 92	Terminal Body Weight: 319.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Thyroid Gland	No gross observed on tissue.	Tissue is unremarkable. Note: one thyroid gland = missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 506	Group: B6M	
Day of Death: 92	Terminal Body Weight: 343.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Brain	No gross observed on tissue.	Tissue is unremarkable. Note: hippocampus = missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 507	Group: B6M	
Day of Death: 92	Terminal Body Weight: 269.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Preputial Gland	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 508	Group: B6M	
Day of Death: 92	Terminal Body Weight: 344.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Preputial Gland	No gross observed on tissue.	Tissue is unremarkable. Note: one preputial gland = missing.
Prostate	No gross observed on tissue.	Inflammation, moderate.
Rectum	Nodule, tan, firm, G1/ 3x3x3 mm.	Lymphoid hyperplasia, peyers patch, moderate. Note: G1 = lymphoid hyperplasia, peyers patch.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 509	Group: B6M	
Day of Death: 92	Terminal Body Weight: 353.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Heart	No gross observed on tissue.	Cardiomyopathy, mild.
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal. Metaplasia, osseous, minimal.
Prostate	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 510	Group: B6M	
Day of Death: 92	Terminal Body Weight: 324.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.
Prostate	No gross observed on tissue.	Inflammation, mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 511	Group: B6M	
Day of Death: 93	Terminal Body Weight: 354.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.
Lung	No gross observed on tissue.	Inflammation, minimal.
Prostate	No gross observed on tissue.	Inflammation, mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 512	Group: B6M	
Day of Death: 93	Terminal Body Weight: 310.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Infiltrate, perivascular, mixed cell, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 513	Group: B6M	
Day of Death: 93	Terminal Body Weight: 313.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 514	Group: B6M	
Day of Death: 93	Terminal Body Weight: 294.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 515	Group: B6M	
Day of Death: 93	Terminal Body Weight: 291.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal. Infiltrate, perivascular, mixed cell, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 516	Group: B6M	
Day of Death: 93	Terminal Body Weight: 313.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Inflammation, mild.
Prostate	No gross observed on tissue.	Inflammation, mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 517	Group: B6M	
Day of Death: 93	Terminal Body Weight: 317.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Metaplasia, osseous, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 518	Group: B6M	
Day of Death: 93	Terminal Body Weight: 387.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	Focus, left, tan, G1/ 4x4 mm.	Tissue is unremarkable. Note: G1 = no corresponding lesion.
Preputial Gland	No gross observed on tissue.	Inflammation, minimal.
Prostate	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 519	Group: B6M	
Day of Death: 93	Terminal Body Weight: 328.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 520	Group: B6M	
Day of Death: 93	Terminal Body Weight: 372.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Adrenal Gland	No gross observed on tissue.	Cytoplasmic vacuolization, cortex, minimal.
Zymbal's Gland	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 614	Group: E0.3M	
Day of Death: 93	Terminal Body Weight: 295.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Colon	Nodule, wall, tan, G1/ 5x5x4 mm. Nodule, wall, tan, G2/ 5x3x3 mm.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 801	Group: E6M	
Day of Death: 92	Terminal Body Weight: 321.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Inflammation, minimal.
Pancreas	No gross observed on tissue.	Atrophy, acinar, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Prostate	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pharynx; Pituitary Gland; Preputial Gland; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 802	Group: E6M	
Day of Death: 92	Terminal Body Weight: 372.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 803	Group: E6M	
Day of Death: 92	Terminal Body Weight: 328.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Adrenal Gland	No gross observed on tissue.	Cytoplasmic vacuolization, cortex, minimal.
Preputial Gland	No gross observed on tissue.	Tissue is missing.
Prostate	No gross observed on tissue.	Inflammation, mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 804	Group: E6M	
Day of Death: 92	Terminal Body Weight: 343.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Infiltrate, perivascular, mixed cell, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 805	Group: E6M	
Day of Death: 92	Terminal Body Weight: 345.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Hydronephrosis, minimal.
Lung	No gross observed on tissue.	Inflammation, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Preputial Gland	No gross observed on tissue.	Tissue is missing.
Stomach	No gross observed on tissue.	Inflammation, non-glandular, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Pharynx; Pituitary Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 806	Group: E6M	
Day of Death: 92	Terminal Body Weight: 344.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.
Lung	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 807	Group: E6M	
Day of Death: 92	Terminal Body Weight: 334.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 808	Group: E6M	
Day of Death: 92	Terminal Body Weight: 341.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.
Lung	No gross observed on tissue.	Inflammation, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 809	Group: E6M	
Day of Death: 92	Terminal Body Weight: 342.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Hydronephrosis, minimal.
Lung	No gross observed on tissue.	Inflammation, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Preputial Gland	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Pharynx; Pituitary Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 810	Group: E6M	
Day of Death: 92	Terminal Body Weight: 327.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Lung	No gross observed on tissue.	Inflammation, minimal.
Pituitary Gland	No gross observed on tissue.	Hyperplasia, pars distalis, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 811	Group: E6M	
Day of Death: 93	Terminal Body Weight: 350.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 812	Group: E6M	
Day of Death: 93	Terminal Body Weight: 339.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Inflammation, minimal.
Kidney	Dilatation, pelvis, G1/ 2x.	Hydronephrosis, moderate. Note: G1 = hydronephrosis.
Lung	No gross observed on tissue.	Inflammation, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Heart; Ileum; Jejunum; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 813	Group: E6M	
Day of Death: 93	Terminal Body Weight: 359.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Inflammation, minimal.
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal. Inflammation, minimal. Infiltrate, perivascular, mixed cell, minimal.
Testis	Small, bilateral, G1/ 0.5x.	Atrophy, moderate. Note: G1 = atrophy.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 814	Group: E6M	
Day of Death: 93	Terminal Body Weight: 339.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 815	Group: E6M	
Day of Death: 93	Terminal Body Weight: 365.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 816	Group: E6M	
Day of Death: 93	Terminal Body Weight: 346.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 817	Group: E6M	
Day of Death: 93	Terminal Body Weight: 347.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal. Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 818	Group: E6M	
Day of Death: 93	Terminal Body Weight: 357.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Colon	Nodule, wall, tan, G1/ 5x5x3 mm.	Hyperplasia, peyers patch, moderate. Note: G1 = hyperplasia, peyers patch.
Kidney	No gross observed on tissue.	Cyst(s), tubular, minimal.
Lung	No gross observed on tissue.	Eosinophilic crystals, minimal.
Stomach	No gross observed on tissue.	Inflammation, glandular region, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Liver; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 819	Group: E6M	
Day of Death: 93	Terminal Body Weight: 338.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Male

Animal ID: 820	Group: E6M	
Day of Death: 93	Terminal Body Weight: 350.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Zymbal's Gland	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Urinary Bladder

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 151	Group: CF	
Day of Death: 93	Terminal Body Weight: 205.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 152	Group: CF	
Day of Death: 93	Terminal Body Weight: 213.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 153	Group: CF	
Day of Death: 93	Terminal Body Weight: 192.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Lung	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 154	Group: CF	
Day of Death: 93	Terminal Body Weight: 199.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.
Uterus	Dilatation, horn, pale, G1/ 10 mm diameter, bilateral.	Physiologic dilatation, horn(s), moderate. Note: G1 = dilatation, horn.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 155	Group: CF	
Day of Death: 93	Terminal Body Weight: 229.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 156	Group: CF	
Day of Death: 93	Terminal Body Weight: 213.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 157	Group: CF	
Day of Death: 93	Terminal Body Weight: 211.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 158	Group: CF	
Day of Death: 93	Terminal Body Weight: 202.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 159	Group: CF	
Day of Death: 93	Terminal Body Weight: 225.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Zymbal's Gland	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 160	Group: CF	
Day of Death: 93	Terminal Body Weight: 216.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 161	Group: CF	
Day of Death: 94	Terminal Body Weight: 239.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 162	Group: CF	
Day of Death: 94	Terminal Body Weight: 236.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 163	Group: CF	
Day of Death: 94	Terminal Body Weight: 178.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Parathyroid	No gross observed on tissue.	Tissue is missing.
Thyroid Gland	No gross observed on tissue.	Tissue is unremarkable. Note: one thyroid gland = missing.
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 164	Group: CF	
Day of Death: 94	Terminal Body Weight: 216.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 165	Group: CF	
Day of Death: 94	Terminal Body Weight: 196.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 166	Group: CF	
Day of Death: 94	Terminal Body Weight: 218.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Cecum	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 167	Group: CF	
Day of Death: 94	Terminal Body Weight: 208.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Clitoral Gland	No gross observed on tissue.	Inflammation, mild.
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.
Lung	No gross observed on tissue.	Infiltrate, perivascular, mixed cell, minimal.
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 168	Group: CF	
Day of Death: 94	Terminal Body Weight: 227.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Hydronephrosis, minimal.
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 169	Group: CF	
Day of Death: 94	Terminal Body Weight: 234.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.
Lung	No gross observed on tissue.	Inflammation, minimal.
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 170	Group: CF	
Day of Death: 94	Terminal Body Weight: 216.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Cecum	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 251	Group: NT6F	
Day of Death: 93	Terminal Body Weight: 188.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 252	Group: NT6F	
Day of Death: 93	Terminal Body Weight: 194.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 253	Group: NT6F	
Day of Death: 93	Terminal Body Weight: 173.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 254	Group: NT6F	
Day of Death: 93	Terminal Body Weight: 191.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Parathyroid	No gross observed on tissue.	Tissue is missing.
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 255	Group: NT6F	
Day of Death: 93	Terminal Body Weight: 187.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Clitoral Gland	No gross observed on tissue.	Inflammation, mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 256	Group: NT6F	
Day of Death: 93	Terminal Body Weight: 182.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Tongue	No gross observed on tissue.	Myodegeneration, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 257	Group: NT6F	
Day of Death: 93	Terminal Body Weight: 185.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Infiltrate, perivascular, mixed cell, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 258	Group: NT6F	
Day of Death: 93	Terminal Body Weight: 224.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.
Pituitary Gland	No gross observed on tissue.	Hyperplasia, pars distalis, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 259	Group: NT6F	
Day of Death: 93	Terminal Body Weight: 195.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal. Hydronephrosis, mild.
Liver	No gross observed on tissue.	Focus, clear cell, present.
Pituitary Gland	No gross observed on tissue.	Hyperplasia, pars distalis, minimal.
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 260	Group: NT6F	
Day of Death: 93	Terminal Body Weight: 163.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 261	Group: NT6F	
Day of Death: 94	Terminal Body Weight: 189.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Spinal Cord	No gross observed on tissue.	Tissue is unremarkable. Note: lumbar spinal cord = missing. Thoracic spinal cord = present and normal.
Sternum	No gross observed on tissue.	Tissue is missing.
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spleen; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 262	Group: NT6F	
Day of Death: 94	Terminal Body Weight: 191.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Inflammation, minimal.
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), moderate.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 263	Group: NT6F	
Day of Death: 94	Terminal Body Weight: 197.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Parathyroid	No gross observed on tissue.	Tissue is missing.
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 264	Group: NT6F	
Day of Death: 94	Terminal Body Weight: 189.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 265	Group: NT6F	
Day of Death: 94	Terminal Body Weight: 203.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 266	Group: NT6F	
Day of Death: 94	Terminal Body Weight: 195.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Inflammation, minimal.
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 267	Group: NT6F	
Day of Death: 94	Terminal Body Weight: 200.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 268	Group: NT6F	
Day of Death: 94	Terminal Body Weight: 191.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 269	Group: NT6F	
Day of Death: 94	Terminal Body Weight: 177.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 270	Group: NT6F	
Day of Death: 94	Terminal Body Weight: 187.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 353	Group: B0.3F	
Day of Death: 93	Terminal Body Weight: 208.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Thymus	Discoloration(s), mottled, G1.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 452	Group: B3F	
Day of Death: 93	Terminal Body Weight: 202.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Uterus	Dilatation, horn, pale, G1/ 5 mm diameter, bilateral.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 455	Group: B3F	
Day of Death: 73	Terminal Body Weight: 201.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	Discoloration(s), confluent, dark, G1/ affects all lobes, caudal ventral distribution.	Tissue not examined microscopically.
Thymus	Discoloration(s), confluent, red, G2/ 15 x 10 mm.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 464	Group: B3F	
Day of Death: 94	Terminal Body Weight: 194.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Skin	Crust(s), facial, one, tan, 1 x 1 mm, G1.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 551	Group: B6F	
Day of Death: 93	Terminal Body Weight: 189.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Uterus	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 552	Group: B6F	
Day of Death: 93	Terminal Body Weight: 161.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Cecum	No gross observed on tissue.	Inflammation, minimal.
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 553	Group: B6F	
Day of Death: 93	Terminal Body Weight: 181.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 554	Group: B6F	
Day of Death: 93	Terminal Body Weight: 210.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Adrenal Gland	No gross observed on tissue.	Hypertrophy, cortex, minimal.
Kidney	No gross observed on tissue.	Hydronephrosis, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 555	Group: B6F	
Day of Death: 93	Terminal Body Weight: 206.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 556	Group: B6F	
Day of Death: 93	Terminal Body Weight: 196.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 557	Group: B6F	
Day of Death: 93	Terminal Body Weight: 191.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Nose/Turbinates	No gross observed on tissue.	Inflammation, minimal.
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 558	Group: B6F	
Day of Death: 93	Terminal Body Weight: 189.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 559	Group: B6F	
Day of Death: 93	Terminal Body Weight: 163.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Pharynx	No gross observed on tissue.	Tissue is missing.
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 560	Group: B6F	
Day of Death: 93	Terminal Body Weight: 194.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Infiltrate, perivascular, mixed cell, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 561	Group: B6F	
Day of Death: 94	Terminal Body Weight: 175.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	Cyst(s), right, 2 x 2 x 2 mm, red, G1.	Nephropathy, minimal. Cyst(s), tubular, mild. Note: G1 = tubular cysts.
Liver	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 562	Group: B6F	
Day of Death: 94	Terminal Body Weight: 171.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 563	Group: B6F	
Day of Death: 94	Terminal Body Weight: 153.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 564	Group: B6F	
Day of Death: 94	Terminal Body Weight: 188.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 565	Group: B6F	
Day of Death: 94	Terminal Body Weight: 182.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Infiltrate, perivascular, mixed cell, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 566	Group: B6F	
Day of Death: 94	Terminal Body Weight: 209.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 567	Group: B6F	
Day of Death: 94	Terminal Body Weight: 220.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Infiltrate, perivascular, mixed cell, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 568	Group: B6F	
Day of Death: 94	Terminal Body Weight: 178.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 569	Group: B6F	
Day of Death: 94	Terminal Body Weight: 188.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 570	Group: B6F	
Day of Death: 94	Terminal Body Weight: 188.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Urinary Bladder	No gross observed on tissue.	Tissue is missing.
Vagina	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Uterus; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 665	Group: E0.3F	
Day of Death: 94	Terminal Body Weight: 244.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Rectum	Nodule, 5 x 5 x 4 mm, G1.	Tissue not examined microscopically.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

None.

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 851	Group: E6F	
Day of Death: 93	Terminal Body Weight: 182.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 852	Group: E6F	
Day of Death: 93	Terminal Body Weight: 181.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Inflammation, minimal.
Uterus	Dilatation, horn, pale, G1/ 5 mm diameter, bilateral.	Physiologic dilatation, horn(s), mild. Note: G1 = horn dilatation.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 853	Group: E6F	
Day of Death: 93	Terminal Body Weight: 205.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Clitoral Gland	No gross observed on tissue.	Inflammation, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 854	Group: E6F	
Day of Death: 93	Terminal Body Weight: 188.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Infiltrate, perivascular, mixed cell, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 855	Group: E6F	
Day of Death: 93	Terminal Body Weight: 187.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Alveolar macrophages, increased, minimal. Infiltrate, perivascular, mixed cell, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 856	Group: E6F	
Day of Death: 93	Terminal Body Weight: 180.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 857	Group: E6F	
Day of Death: 93	Terminal Body Weight: 197.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 858	Group: E6F	
Day of Death: 93	Terminal Body Weight: 180.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Cecum	No gross observed on tissue.	Inflammation, minimal.
Heart	No gross observed on tissue.	Cardiomyopathy, minimal. Fibrosis, endocardial, mild.
Lung	No gross observed on tissue.	Inflammation, minimal.
Rectum	No gross observed on tissue.	Inflammation, minimal.
Sciatic Nerve	No gross observed on tissue.	Tissue is missing.
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Salivary Gland; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 859	Group: E6F	
Day of Death: 93	Terminal Body Weight: 198.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Clitoral Gland	No gross observed on tissue.	Inflammation, mild.
Lung	No gross observed on tissue.	Inflammation, minimal.
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 860	Group: E6F	
Day of Death: 93	Terminal Body Weight: 204.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 861	Group: E6F	
Day of Death: 94	Terminal Body Weight: 194.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 862	Group: E6F	
Day of Death: 94	Terminal Body Weight: 189.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Infiltrate, perivascular, mixed cell, minimal.
Pharynx	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 863	Group: E6F	
Day of Death: 94	Terminal Body Weight: 190.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Lung	No gross observed on tissue.	Inflammation, minimal. Eosinophilic crystals, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 864	Group: E6F	
Day of Death: 94	Terminal Body Weight: 189.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Inflammation, minimal.
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 865	Group: E6F	
Day of Death: 94	Terminal Body Weight: 196.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Thyroid Gland	No gross observed on tissue.	Cyst(s), present.
Uterus	No gross observed on tissue.	Physiologic dilatation, horn(s), mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 866	Group: E6F	
Day of Death: 94	Terminal Body Weight: 186.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 867	Group: E6F	
Day of Death: 94	Terminal Body Weight: 184.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Uterus	No gross observed on tissue.	Inflammation, mild.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 868	Group: E6F	
Day of Death: 94	Terminal Body Weight: 167.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 869	Group: E6F	
Day of Death: 94	Terminal Body Weight: 179.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Uterus	Dilatation, bilateral, G1/ 5 mm.	Physiologic dilatation, horn(s), moderate.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 870	Group: E6F	
Day of Death: 94	Terminal Body Weight: 188.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Inflammation, minimal.

Protocol tissues were examined grossly unless otherwise noted. All gross observations are listed above; tissues not listed were grossly unremarkable. The following tissues were examined microscopically and found unremarkable:

Adrenal Gland; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

**APPENDIX E: CLINICAL PATHOLOGY AND ANATOMIC PATHOLOGY
NARRATIVES**

8/19/09

CN49730E

90-DAY REPEATED DOSE SUBCHRONIC TOXICITY STUDY OF TOBACCO BLEND
AND AQUEOUS TOBACCO EXTRACT IN WISTER HAN RATS

CLINICAL PATHOLOGY

Coagulation

None of the coagulation results indicated any effects due to nicotine tartrate, tobacco blend or tobacco extract.

Hematology

None of the hematology results indicated any effects due to nicotine tartrate, tobacco blend or tobacco extract.

Clinical Chemistry

None of the clinical chemistry results indicated any effects due to nicotine tartrate, tobacco blend or tobacco extract.

Urinalysis

None of the urinalysis results indicated any effects due to nicotine tartrate, tobacco blend or tobacco extract.

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CN49730E

90-DAY REPEATED DOSE SUBCHRONIC TOXICITY STUDY OF TOBACCO BLEND
AND AQUEOUS TOBACCO EXTRACT IN WISTAR HAN RATS

ANATOMIC PATHOLOGY

The purpose of this study was to compare toxicity of a tobacco blend, aqueous tobacco extract, and appropriate controls (nicotine tartrate positive control and diet negative control) in Wistar Han rats. The study also determined plasma concentrations of nicotine and cotinine under various conditions of test chemical exposure. These data will be used in the design of long-term studies.

Groups of 20 male and 20 female Wistar Han rats were given either untreated feed (control, Group 1) or various amounts of nicotine tartrate, tobacco blend or tobacco extract, as summarized in Text Table A.

Text Table A. Summary of Study Design			
Group	Target Dosage of Nicotine (mg/kg/day)	Males, Core	Females, Core
1-Control	0	20	20
2-Nicotine Tartrate High Dose	6	20	20
3-Tobacco Blend Low dose	0.3	20	20
4-Tobacco Blend Intermediate Dose	3	20	20
5-Tobacco Blend High Dose	6	20	20
6-Tobacco Extract Low dose	0.3	20	20
7-Tobacco Extract Intermediate dose	3	20	20
8-Tobacco Extract High Dose	6	20	20

All core rats were necropsied immediately after death (scheduled and unscheduled) and protocol-required tissues were collected, preserved in fixative, processed routinely and examined microscopically by a board-certified veterinary pathologist. Macroscopic (gross) and microscopic findings, when present, were recorded electronically using the PATH/TOX SYSTEM (Xybion Medical Systems Corporation).

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A small number of the tissues could not be successfully processed to slides for examination by the veterinary pathologist. Such tissues are listed as "missing" in the individual animal pathology data tables. The absence of results for these tissues was not considered to affect study interpretation.

Necropsy Results

Gross Pathology

A few macroscopic findings were observed at necropsy, none of which were related to nicotine tartrate, tobacco blend or tobacco extract administration.

Terminal Body Weights

The terminal body weights of the male and female rats in Groups 2, 4, 5 and 8 were significantly decreased when compared with same-sex control (Group 1) rats. The decreased terminal body weights of the affected groups were ascribed to decreased feed consumption, which was in turn interpreted to be due to reduced palatability of the dosed feed in these groups.

Organ Weights

Decreased absolute heart, kidney, liver, lung, prostate, seminal vesicle, adrenal gland weights (females only) and organ-to-brain weight percentages (in groups which experienced significantly decreased terminal body weight) were interpreted to be due to decreased overall body size since the organ-to-terminal body weight results for these parameters in the affected treated groups were similar to or greater than those of controls. A number of other statistically significant differences were sporadically noted for organ weights, but were too small in magnitude to have toxicologic importance. Increased brain-to-terminal body weight ratios in treated groups of male and female rats did not have a microscopic correlate and were interpreted to indicate that there

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was a greater restriction in growth of other organs than of brain, which is usual with restricted food intake in laboratory rats. As such, these organ weight findings were not interpreted to be adverse.

HISTOPATHOLOGY

Microscopic findings were graded semi-quantitatively using the following scale: a score of 1 (minimal) represented a barely detectable lesion unlikely to be of biological significance, a score of 2 (mild) represented a lesion likely to have minor functional significance, a score of 3 (moderate) represented a lesion likely to have clinical significance, and a score of 4 (marked) represented a lesion approaching maximal in extent for the lesion.

A few microscopic changes were observed in tissues from rats in the dose-groups. All such changes were typical of background changes observed in untreated laboratory rats and were interpreted to be neither toxicologically nor biologically significant. None of the microscopic findings in this study were interpreted to be due to nicotine tartrate, tobacco blend or tobacco extract.

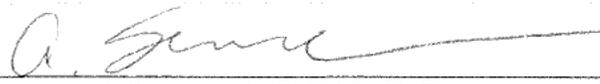
Conclusions

Exposure of Wistar Han male and female rats to various concentrations of nicotine tartrate, tobacco blend and tobacco aqueous extract by dosed feed at target levels as high as 6 mg/kg/day of nicotine for 90 days resulted in significant decrease in terminal body weights in groups given target doses of 3 or 6 mg/kg nicotine/day (Groups 2, 4, 5 and 8 males and females). There were no treatment related gross or microscopic findings. Changes in organ weights were secondary to decreased body weights, which were due to decreased palatability of the diet.

8/18/09

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CN49730E

 8/18/09

Anthony J. Skowronek, D.V.M., Ph.D.
Diplomate, A.C.V.P.
Study Pathologist

Date

 8/18/09

Daphne Vasconcelos, D.V.M., Ph.D., D.A.B.T.
Diplomate, A.C.V.P.
Technical Review

Date



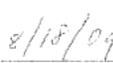
Date:	February 9, 2009	Project Number:	CN49730E
To:	Study File CN49730E	Internal Distribution:	A. Skowronek M. Hejtmancik D. Fallacara
From:	Michael J. Ryan		C. James M. Ryan 8831 Files
Subject:	Pathology Peer Review of 90-Day Repeated Dose Subchronic Toxicity Study of Tobacco Blend and Aqueous Tobacco Extract in Wistar Han Rats (Battelle Study Number CN49730E)		

A peer review was conducted of the pathology data from study CN49730E. The purpose was to verify the accuracy, consistency, and completeness of toxicologically significant findings as rendered by the study pathologist, Dr. Anthony Skowronek. Sections of tissues from all rats examined microscopically were available for review, along with the gross/microscopic diagnoses, interpretations, and draft narrative generated by the study pathologist.

As part of this review, all tissues from rats 101, 105, 110, 115, 120, 201, 205, 210, 215, 220, 501, 505, 510, 515, 520, 801, 805, 810, 815, 820, 151, 155, 160, 165, 170, 251, 255, 260, 265, 270, 551, 555, 560, 565, 570, 851, 855, 860, 865 and 870 were examined.

This review confirmed the diagnoses rendered by the study pathologist. There were no substantive differences between the findings of the study pathologist and the undersigned, and I am in agreement with the results, interpretations, and conclusions presented in this report of findings.

	
Michael J. Ryan, D.V.M., Ph.D., D.A.B.T. Diplomate, A.C.V.P. Peer Review Pathologist Battelle Columbus	Post-Peer Review Date

	
Michael J. Ryan, D.V.M., Ph.D., D.A.B.T. Diplomate, A.C.V.P. Peer Review Pathologist Battelle Columbus	Final Date

APPENDIX F: NICOTINE IN FEED FORMULATION ANALYSIS REPORT

**90-DAY REPEATED DOSE SUBCHRONIC TOXICITY STUDY OF TOBACCO
BLEND AND AQUEOUS TOBACCO EXTRACT IN WISTAR HAN RATS**

NICOTINE IN FEED

FORMULATION ANALYSIS REPORT

Battelle Study Number: CN49730E

August 24, 2009

Prepared By:

Approved By:

Edward A. Ps 8/24/09
Edward A. Ps, B.S./Date

Brian L. Burb 8-24-09
Brian L. Burb, Ph.D./Date

EXECUTIVE SUMMARY

Samples from all formulations prepared for this study were submitted for analysis and successfully analyzed for nicotine concentrations. All predose formulations that were analyzed met acceptance criteria (within 10% of the target concentrations; relative standard deviation [RSD] less than or equal to 10%), except for five formulations which had average percent relative errors (REs) greater than 10%. Four of the formulations were discarded and new batches prepared and analyzed; the fourth had an average RE of 10.7% but was approved for use by the client.

Postdose (animal room) samples were also analyzed for nicotine concentration for the first set of batches from the study. In general, the postdose animal room concentrations agreed with the predose concentrations. The concentration of all submitted postdose formulation samples also met the acceptance criteria for predose samples (RE within 10% of target; RSD less than or equal to 10%).

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I. INTRODUCTION

This report contains a description of the analysis of submitted formulation samples from this study, the results of these analyses, and figures.

This work was performed at Battelle, 505 King Avenue, Columbus, OH 43201.

II. STANDARDS

Nicotine hydrogen tartrate, Lot No. 028K0705, obtained from Sigma-Aldrich Inc., was used as an analytical standard.

This standard was used to perform all work covered in this report.

III. SAMPLES

The formulation samples submitted for analysis are shown in Table 1, Table 2, 0, and Table 4, (M=Male, F=Female).

Table 1 – Formulation Samples Submitted for Formulation Analyses – 8/18/08

Type	Group	Formulation ID (mg Test Article/ kg Feed)	Batch	Target Nicotine Concentration (mg Nicotine/ kg Feed)
Control	CM/CF	Control Formulation	2-Control-1	0
Tobacco Blend	B0.3M	91 mg/kg	2-Blend-1	2.4
	B0.3F	107 mg/kg	2-Blend-2	2.8
	B3M	913 mg/kg	2-Blend-3	24
	B3F	1070 mg/kg	2-Blend-4	28
	B6M	1826 mg/kg	2-Blend-5* 2A-Blend-5	48
	B6F	2140 mg/kg	2-Blend-6	56
Nicotine Hydrogen Tartrate	NT6M	137 mg/kg	2-NT-1	48
	NT6F	160 mg/kg	2-NT-2	56
Aqueous Tobacco Extract	E0.3M	104 mg/kg	2-Extract-1	2.4
	E0.3F	122 mg/kg	2-Extract-2	2.8
	E3M	1044 mg/kg	2-Extract-3	24
	E3F	1223 mg/kg	2-Extract-4	28
	E6M	2088 mg/kg	2-Extract-5	48
	E6F	2447 mg/kg	2-Extract-6	56

* Sample did not meet average %RE acceptance criteria. The batch was discarded and a new batch was prepared.

Table 2 – Formulation Samples Submitted for Formulation Analyses – 9/11/08

Type	Group	Formulation ID (mg Test Article/ kg Feed)	Batch	Target Nicotine Concentration (mg Nicotine/ kg Feed)
Control	CM/CF	Control Formulation	3-Control-1	0
Tobacco Blend	B0.3M	137 mg/kg	3-Blend-1	3.6
	B0.3F	143 mg/kg	3-Blend-2	3.75
	B3M	1370 mg/kg	3-Blend-3	36
	B3F	1427 mg/kg	3-Blend-4* 3A-Blend-4	37.5
	B6M	2740 mg/kg	3-Blend-5	72
	B6F	2854 mg/kg	3-Blend-6	75
Nicotine Hydrogen Tartrate	NT6M	205 mg/kg	3-NT-1	72
	NT6F	214 mg/kg	3-NT-2	75
Aqueous Tobacco Extract	E0.3M	157 mg/kg	3-Extract-1	3.6
	E0.3F	163 mg/kg	3-Extract-2	3.75
	E3M	1566 mg/kg	3-Extract-3	36
	E3F	1631 mg/kg	3-Extract-4	37.5
	E6M	3132 mg/kg	3-Extract-5	72
	E6F	3262 mg/kg	3-Extract-6	75

* Sample did not meet acceptance criteria. Batch discarded and new batch prepared on 9/17/08.

Table 3 – Formulation Samples Submitted for Formulation Analyses – 10/3/08

Type	Group	Formulation ID (mg Test Article/ kg Feed)	Batch	Target Nicotine Concentration (mg Nicotine/ kg Feed)
Control	CM/CF	Control Formulation	4-Control-1	0
Tobacco Blend	B0.3F	178 mg/kg	4-Blend-1	4.69
	B0.3M	183 mg/kg	4-Blend-2* 4A-Blend-2	4.80
	B3F	1784 mg/kg	4-Blend-3	46.9
	B3M	1826 mg/kg	4-Blend-4	48.0
	B6F	3567 mg/kg	4-Blend-5	93.8
	B6M	3653 mg/kg	4-Blend-6	96.0
Nicotine Hydrogen Tartrate	NT6F	267 mg/kg	4-NT-1	93.8
	NT6M	274 mg/kg	4-NT-2	96.0
Aqueous Tobacco Extract	E0.3F	204 mg/kg	4-Extract-1	4.69
	E0.3M	209 mg/kg	4-Extract-2	4.80
	E3F	2039 mg/kg	4-Extract-3	46.9
	E3M	2088 mg/kg	4-Extract-4	48.0
	E6F	4078 mg/kg	4-Extract-5	93.8
	E6M	4176 mg/kg	4-Extract-6	96.0

* Sample did not meet average %RE acceptance criteria. The batch was discarded and a new batch was prepared.

Table 4 – Formulation Samples Submitted for Formulation Analyses – 11/7/08

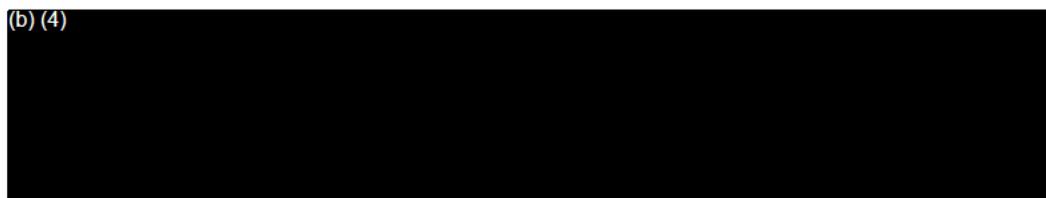
Type	Group	Formulation ID (mg Test Article/ kg Feed)	Batch	Target Nicotine Concentration (mg Nicotine/ kg Feed)
Tobacco Blend	B0.3M	183 mg/kg	5-Blend-2* 5A-Blend-2	4.80
	B3M	1826 mg/kg	5-Blend-4	48.0
	B6M	3653 mg/kg	5-Blend-6	96.0
Nicotine Hydrogen Tartrate	NT6M	274 mg/kg	5-NT-2	96.0
Aqueous Tobacco Extract	E0.3M	209 mg/kg	5-Extract-2	4.80
	E3M	2088 mg/kg	5-Extract-4	48.0
	E6M	4176 mg/kg	5-Extract-6	96.0

* Sample did not meet average %RE acceptance criteria. The batch was discarded and a new batch was prepared.

IV. FORMULATION ANALYSIS

A. METHOD

(b) (4)



B. RESULTS

The calibration standards met all acceptance criteria (the correlation coefficient [r] is greater than or equal to 0.99 and percent relative error [RE] within 10% of nominal for all standards in all runs.

The asymmetry and percent relative standard deviation (RSD) for replicates of the system suitability acceptance criteria was met for each analysis. The efficiency for the system suitability acceptance criteria was met for each analysis. The drifts compared to the system suitability samples met acceptance criteria for each analysis.

Representative overlaid full scale chromatograms from high and low concentration standards, blank with internal standard (IS), and a blank are shown in Figure 1.

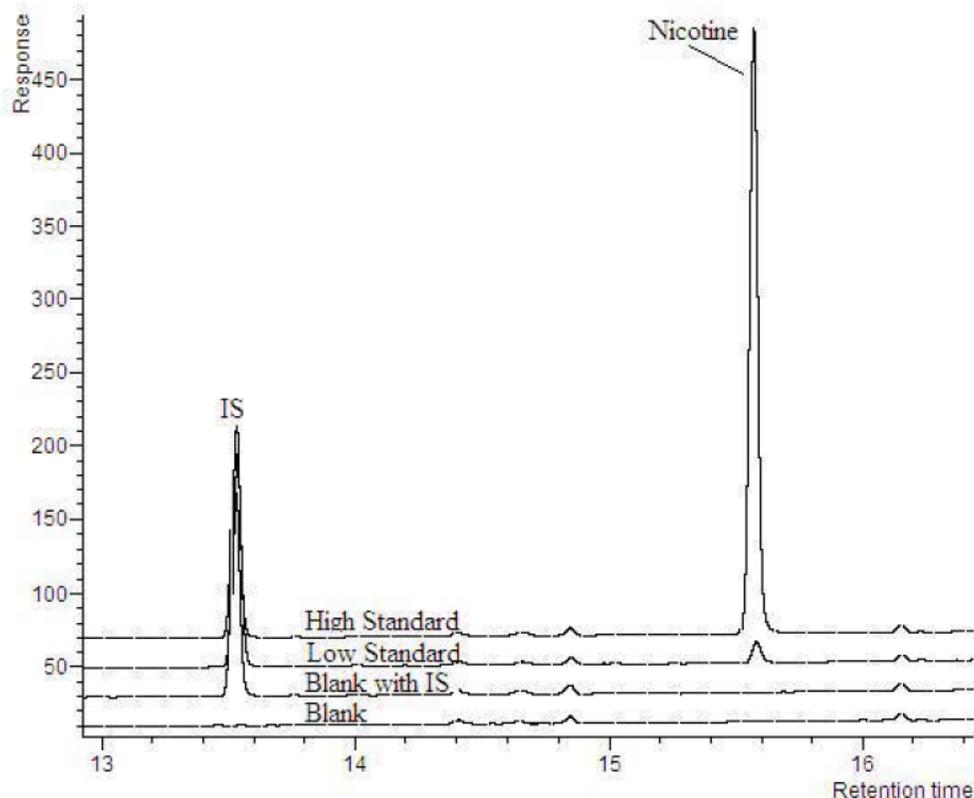


Figure 1 – Representative Overlaid Chromatograms from High and Low Standards, Blank with IS, and a Blank – Full Scale

The results from the formulation analysis for the predose formulation samples are presented in Table 5 to Table 19. The concentration of all formulations used for the dosing of animals met acceptance criteria (within 10% of target; RSD less than or equal to 10%), except for the 1826 mg/kg formulation prepared on October 3, 2008 which had an average %RE of 10.7%. This formulation was approved by the client to dose the animals.

Table 5 – Formulation Results for Predose Control – 8/18/08

Formulation ID	Target Nicotine Concentration ¹ (mg/kg)	Reported Concentration ¹ (mg/kg)	Average Corrected Concentration ¹ (mg/kg)	s (mg/kg)	RSD	RE	Average RE
0 mg/kg ² CM/CF	0	BLOQ	BLOQ	NA	NA	NA	NA
		BLOQ				NA	
		BLOQ				NA	

1. Quantity of nicotine (mg) per kg of feed.

2. Quantity of test article (mg) per kg of feed.

BLOQ = Below the limit of quantitation (not detected).

NA = Not applicable.

Table 6 – Formulation Results for Predose Tobacco Blend – 8/18/08

Formulation ID	Target Nicotine Concentration ¹ (mg/kg)	Reported Concentration ¹ (mg/kg)	Average Corrected Concentration ¹ (mg/kg)	s (mg/kg)	RSD	RE	Average RE
91 mg/kg ² B0.3M	2.4	2.24E+00	2.36E+00	0.23	9.7	-6.7	-1.7
		2.62E+00				9.2	
		2.22E+00				-7.5	
107 mg/kg ² B0.3F	2.8	2.53E+00	2.66E+00	0.11	4.1	-9.6	-5.1
		2.74E+00				-2.1	
		2.70E+00				-3.6	
913 mg/kg ² B3M	24	2.40E+01	2.46E+01	1.1	4.5	0.0	2.5
		2.39E+01				-0.4	
		2.59E+01				7.9	
1070 mg/kg ² B3F	28	3.06E+01	3.05E+01	0.6	2.0	9.3	8.8
		2.98E+01				6.4	
		3.10E+01				10.7	
1826 mg/kg ² B6M	48*	4.16E+01	4.73E+01	4.4	9.4	-13.3	-1.6
		4.44E+01				-7.5	
		5.09E+01				6.0	
		5.28E+01				10.0	
		4.96E+01				3.3	
		4.42E+01				-7.9	
2140 mg/kg ² B6F	56	5.48E+01	5.57E+01	2.6	4.7	-2.1	-0.5
		5.87E+01				4.8	
		5.37E+01				-4.1	

1. Quantity of nicotine (mg) per kg of feed.

2. Quantity of tobacco blend (mg) per kg of feed.

* Analyzed additional replicates due to an RSD greater than 10 between the first three replicates. Used all six replicates to calculate reported results.

Table 7 – Formulation Results for Predose Nicotine Hydrogen Tartrate – 8/18/08

Formulation ID	Target Nicotine Concentration ¹ (mg/kg)	Reported Concentration ¹ (mg/kg)	Average Reported Concentration ¹ (mg/kg)	s (mg/kg)	RSD	RE	Average RE
137 mg/kg ² NT6M	48	4.62E+01	4.87E+01	2.2	4.5	-3.7	1.5
		4.99E+01				4.0	
		5.00E+01				4.2	
160 mg/kg ² NT6F	56	5.36E+01	5.37E+01	0.2	0.4	-4.3	-4.1
		5.39E+01				-3.8	
		5.36E+01				-4.3	

1. Quantity of nicotine (mg) per kg of feed.

2. Quantity of nicotine hydrogen tartrate (mg) per kg of feed.

Table 8 – Formulation Results for Predose Aqueous Tobacco Extract – 8/18/08

Formulation ID	Target Nicotine Concentration ¹ (mg/kg)	Reported Concentration ¹ (mg/kg)	Average Reported Concentration ¹ (mg/kg)	s (mg/kg)	RSD	RE	Average RE
104 mg/kg ² E0.3M	2.4	2.13E+00	2.21E+00	0.08	4.0	-11.3	-8.1
		2.29E+00				-4.6	
		2.20E+00				-8.3	
122 mg/kg ² E0.3F	2.8	2.67E+00	2.64E+00	0.03	1.0	-4.6	-5.8
		2.63E+00				-6.1	
		2.61E+00				-6.8	
1044 mg/kg ² E3M	24	2.36E+01	2.44E+01	0.8	3.0	-1.7	1.7
		2.52E+01				5.0	
		2.44E+01				1.7	
1223 mg/kg ² E3F	28	2.85E+01	2.77E+01	0.7	3.0	1.8	-1.2
		2.74E+01				-2.1	
		2.71E+01				-3.2	
2088 mg/kg ² E6M	48	4.95E+01	4.90E+01	2.0	4.1	3.1	2.1
		4.68E+01				-2.5	
		5.07E+01				5.6	
2447 mg/kg ² E6F	56	5.30E+01	5.23E+01	1.5	2.9	-5.4	-6.7
		5.05E+01				-9.8	
		5.33E+01				-4.8	

1. Quantity of nicotine (mg) per kg of feed.

2. Quantity of aqueous tobacco extract (mg) per kg of feed.

Table 9 – Formulation Results for Predose Control – 9/11/08

Formulation ID	Target Nicotine Concentration ¹ (mg/kg)	Reported Concentration ¹ (mg/kg)	Average Corrected Concentration ¹ (mg/kg)	s (mg/kg)	RSD	RE	Average RE
0 mg/kg ² CM/CF	0	BLOQ	BLOQ	NA	NA	NA	NA
		BLOQ				NA	
		BLOQ				NA	

1. Quantity of nicotine (mg) per kg of feed.

2. Quantity of test article (mg) per kg of feed.

Table 10 – Formulation Results for Predose Tobacco Blend – 9/11/08

Formulation ID	Target Nicotine Concentration ¹ (mg/kg)	Reported Concentration ¹ (mg/kg)	Average Reported Concentration ¹ (mg/kg)	s (mg/kg)	RSD	RE	Average RE
137 mg/kg ² B0.3M	3.6	3.80E+00	3.77E+00	0.25	6.6	5.6	4.8
		3.51E+00				-2.5	
		4.01E+00				11.4	
143 mg/kg ² B0.3F	3.75	3.87E+00	4.02E+00	0.17	4.2	3.2	7.2
		3.98E+00				6.1	
		4.21E+00				12.3	
1370 mg/kg ² B3M	36	4.02E+01	3.84E+01	1.8	4.7	11.7	6.8
		3.67E+01				1.9	
		3.84E+01				6.7	
1427 mg/kg ² B3F	37.5	3.98E+01	3.99E+01	0.1	0.3	6.1	6.4
		3.99E+01				6.4	
		4.00E+01				6.7	
2740 mg/kg ² B6M	72	7.39E+01	7.65E+01	2.4	3.1	2.6	6.2
		7.69E+01				6.8	
		7.87E+01				9.3	
2854 mg/kg ² B6F	75	7.84E+01	7.92E+01	2.9	3.7	4.5	5.6
		7.67E+01				2.3	
		8.24E+01				9.9	

1. Quantity of nicotine (mg) per kg of feed.
2. Quantity of tobacco blend (mg) per kg of feed.

Table 11 – Formulation Results for Predose Nicotine Hydrogen Tartrate – 9/11/08

Formulation ID	Target Nicotine Concentration ¹ (mg/kg)	Reported Concentration ¹ (mg/kg)	Average Reported Concentration ¹ (mg/kg)	s (mg/kg)	RSD	RE	Average RE
205 mg/kg ² NT6M	72	7.38E+01	7.28E+01	0.9	1.0	2.5	1.1
		7.21E+01				0.1	
		7.24E+01				0.6	
214 mg/kg ² NT6F	75	7.61E+01	7.52E+01	1.2	1.6	1.5	0.2
		7.38E+01				-1.6	
		7.56E+01				0.8	

1. Quantity of nicotine (mg) per kg of feed.
2. Quantity of nicotine hydrogen tartrate (mg) per kg of feed.

Table 12 – Formulation Results for Predose Aqueous Tobacco Extract – 9/11/08

Formulation ID	Target Nicotine Concentration ¹ (mg/kg)	Reported Concentration ¹ (mg/kg)	Average Reported Concentration ¹ (mg/kg)	s (mg/kg)	RSD	RE	Average RE
157 mg/kg ² E0.3M	3.6	3.94E+00	3.88E+00	0.08	2.0	9.4	7.8
		3.79E+00				5.3	
		3.91E+00				8.6	
163 mg/kg ² E0.3F	3.75	4.07E+00	4.04E+00	0.04	1.0	8.5	7.6
		3.99E+00				6.4	
		4.05E+00				8.0	
1566 mg/kg ² E3M	36	3.76E+01	3.76E+01	0.4	1.0	4.4	4.5
		3.80E+01				5.6	
		3.73E+01				3.6	
1631 mg/kg ² E3F	37.5	3.99E+01	3.82E+01	1.9	5.0	6.4	1.9
		3.86E+01				2.9	
		3.62E+01				-3.5	
3132 mg/kg ² E6M	72	7.18E+01	7.28E+01	1.1	1.5	-0.3	1.0
		7.39E+01				2.6	
		7.26E+01				0.8	
3262 mg/kg ² E6F	75	7.68E+01	7.59E+01	0.8	1.0	2.4	1.3
		7.58E+01				1.1	
		7.52E+01				0.3	

1. Quantity of nicotine (mg) per kg of feed.
2. Quantity of aqueous tobacco extract (mg) per kg of feed.

Table 13 – Formulation Results for Predose Control – 10/3/08

Formulation ID	Target Nicotine Concentration ¹ (mg/kg)	Reported Concentration ¹ (mg/kg)	Average Corrected Concentration ¹ (mg/kg)	s (mg/kg)	RSD	RE	Average RE
0 mg/kg ² CM/CF	0	BLOQ	BLOQ	NA	NA	NA	NA
		BLOQ				NA	
		BLOQ				NA	

1. Quantity of nicotine (mg) per kg of feed.
2. Quantity of test article (mg) per kg of feed.

Table 14 – Formulation Results for Predose Tobacco Blend – 10/3/08

Formulation ID	Target Nicotine Concentration ¹ (mg/kg)	Reported Concentration ¹ (mg/kg)	Average Reported Concentration ¹ (mg/kg)	s (mg/kg)	RSD	RE	Average RE
178 mg/kg ² B0.3F	4.69	4.57E+00	4.92E+00	0.31	6.3	-2.6	4.8
		5.16E+00				10.0	
		5.02E+00				7.0	
183 mg/kg ² B0.3M	4.80	4.63E+00	4.79E+00	0.22	4.6	-3.5	-0.2
		4.70E+00				-2.1	
		5.04E+00				5.0	
1784 mg/kg ² B3F	46.9	4.97E+01	4.99E+01	0.2	0.4	6.0	6.3
		4.98E+01				6.2	
		5.01E+01				6.8	
1826 mg/kg ² B3M	48.0	5.26E+01	5.31E+01	1.4	2.6	9.6	10.7*
		5.21E+01				8.5	
		5.47E+01				14.0	
3567 mg/kg ² B6F	93.8	1.00E+02	1.01E+02	2	2.0	6.6	8.0
		1.03E+02				9.8	
		1.01E+02				7.7	
3653 mg/kg ² B6M	96.0	1.07E+02	1.05E+02	2	2.0	11.5	9.4
		1.04E+02				8.3	
		1.04E+02				8.3	

1. Quantity of nicotine (mg) per kg of feed.

2. Quantity of tobacco blend (mg) per kg of feed.

* The average %RE was greater than 10, but the client granted permission to use formulation for dosing of animals.

Table 15 – Formulation Results for Predose Nicotine Hydrogen Tartrate – 10/3/08

Formulation ID	Target Nicotine Concentration ¹ (mg/kg)	Reported Concentration ¹ (mg/kg)	Average Reported Concentration ¹ (mg/kg)	s (mg/kg)	RSD	RE	Average RE
267 mg/kg ² NT6F	93.8	9.47E+01	9.25E+01	2.0	2.2	1.0	-1.4
		9.21E+01				-1.8	
		9.07E+01				-3.3	
274 mg/kg ² NT6M	96.0	9.22E+01	9.46E+01	2.3	2.4	-4.0	-1.5
		9.48E+01				-1.3	
		9.68E+01				0.8	

1. Quantity of nicotine (mg) per kg of feed.

2. Quantity of nicotine hydrogen tartrate (mg) per kg of feed.

Table 16 – Formulation Results for Predose Aqueous Tobacco Extract – 10/3/08

Formulation ID	Target Nicotine Concentration ¹ (mg/kg)	Reported Concentration ¹ (mg/kg)	Average Reported Concentration ¹ (mg/kg)	s (mg/kg)	RSD	RE	Average RE
204 mg/kg ² E0.3F	4.69	4.88E+00	4.90E+00	0.02	0.4	4.1	4.6
		4.91E+00				4.7	
		4.92E+00				4.9	
209 mg/kg ² E0.3M	4.80	5.03E+00	4.93E+00	0.17	3.4	4.8	2.8
		5.03E+00				4.8	
		4.74E+00				-1.2	
2039 mg/kg ² E3F	46.9	4.85E+01	4.74E+01	1.0	2.1	3.4	1.1
		4.65E+01				-0.9	
		4.73E+01				0.9	
2088 mg/kg ² E3M	48.0	4.93E+01	5.02E+01	0.8	2.0	2.7	4.6
		5.05E+01				5.2	
		5.08E+01				5.8	
4078 mg/kg ² E6F	93.8	9.07E+01	9.24E+01	1.7	1.8	-3.3	-1.5
		9.40E+01				0.2	
		9.26E+01				-1.3	
4176 mg/kg ² E6M	96.0	9.68E+01	9.76E+01	0.9	0.9	0.8	1.7
		9.74E+01				1.5	
		9.86E+01				2.7	

1. Quantity of nicotine (mg) per kg of feed.

2. Quantity of aqueous tobacco extract (mg) per kg of feed.

Table 17 – Formulation Results for Predose Tobacco Blend – 11/7/08

Formulation ID	Target Nicotine Concentration ¹ (mg/kg)	Reported Concentration ¹ (mg/kg)	Average Reported Concentration ¹ (mg/kg)	s (mg/kg)	RSD	RE	Average RE
183 mg/kg ² B0.3M	4.80*	4.35E+00	4.46E+00	0.42	9.4	-9.4	-7.1
		4.23E+00				-11.9	
		5.29E+00				10.2	
		4.24E+00				-11.7	
		4.48E+00				-6.7	
		4.17E+00				-13.1	
1826 mg/kg ² B3M	48.0	4.84E+01	5.00E+01	1.5	3.0	0.8	4.1
		5.14E+01				7.1	
		5.01E+01				4.4	
3653 mg/kg ² B6M	96.0	9.85E+01	1.02E+02	3	3.0	2.6	6.1
		1.03E+02				7.3	
		1.04E+02				8.3	

1. Quantity of nicotine (mg) per kg of feed.

2. Quantity of tobacco blend (mg) per kg of feed.

* Analyzed additional replicates due to an RSD greater than 10 between the first three replicates and used all six replicates to calculate results.

Table 18 – Formulation Results for Predose Nicotine Hydrogen Tartrate – 11/7/08

Formulation ID	Target Nicotine Concentration ¹ (mg/kg)	Reported Concentration ¹ (mg/kg)	Average Reported Concentration ¹ (mg/kg)	s (mg/kg)	RSD	RE	Average RE
274 mg/kg ² NT6M	96.0	9.38E+01	9.49E+01	1.8	1.9	-2.3	-1.2
		9.39E+01				-2.2	
		9.69E+01				0.9	

1. Quantity of nicotine (mg) per kg of feed.
2. Quantity of nicotine hydrogen tartrate (mg) per kg of feed.

Table 19 – Formulation Results for Predose Aqueous Tobacco Extract – 11/7/08

Formulation ID	Target Nicotine Concentration ¹ (mg/kg)	Reported Concentration ¹ (mg/kg)	Average Reported Concentration ¹ (mg/kg)	s (mg/kg)	RSD	RE	Average RE
209 mg/kg ² E0.3M	4.80	5.23E+00	5.10E+00	0.13	2.5	9.0	6.2
		5.14E+00				7.1	
		5.16E+00*				7.5	
		4.88E+00*				1.7	
		5.07E+00*				5.6	
2088 mg/kg ² E3M	48.0	4.61E+01	4.86E+01	2.5	5.1	-4.0	1.3
		5.11E+01				6.5	
		4.86E+01				1.3	
4176 mg/kg ² E6M	96.0	1.02E+02	1.00E+02	2	2.0	6.3	4.4
		9.91E+01				3.2	
		9.95E+01				3.6	

1. Quantity of nicotine (mg) per kg of feed.
 2. Quantity of aqueous tobacco extract (mg) per kg of feed.
- * Additional replicates were analyzed after one of the original replicates (result was 6.51 mg/kg) had a high %RE of 35.6%. The high replicate was Q-tested out from the other five replicates with a Q-value of 0.785 and not included in the calculations.

An animal room (postdose) analysis was performed on the formulations prepared on August 18, 2008 and August 26, 2008 (the formulation from the August 26, 2008 was a reformulation from a batch that was not used from the August 18, 2008 formulation due to a failure in average %RE). The results from the formulation analysis for postdose formulations (animal room) are presented in Table 20, Table 21, Table 22, and Table 23. All postdose samples were taken from the animal room feeders. The concentration of all submitted formulations met the following criteria for concentration (RE within 10% of target; RSD less than or equal to 10%).

Postdose samples have been exposed to the animal and are subject to the impact from this exposure on concentration. This may include selective eating of the feed or analyte from the formulation by the animal, contamination of the formulation by urine, feces, bedding, or other materials, and exposure of the formulation to the animal room environment. For these reasons, animal samples should only be used

to determine any general trends that may result from exposure of the formulation to the animal room environment.

In general, it appears that there was no trend between the original formulation analysis and the animal room analysis.

Table 20 – Results for Postdose Control Formulation

Formulation ID	Target Concentration ¹ (mg/kg)	Reported Concentration ¹ (mg/kg)	Average Corrected Concentration ¹ (mg/kg)	s (mg/kg)	RSD	RE	Average RE
0 mg/kg ² CM/CF	0	BLOQ	BLOQ	NA	NA	NA	NA
		BLOQ				NA	
		BLOQ				NA	

1. Quantity of nicotine (mg) per kg of feed.
2. Quantity of test article (mg) per kg of feed.

Table 21 – Results for Postdose Tobacco Blend Formulations

Formulation ID	Target Concentration ¹ (mg/kg)	Reported Concentration ¹ (mg/kg)	Average Corrected Concentration ¹ (mg/kg)	s (mg/kg)	RSD	RE	Average RE
91 mg/kg ² B0.3M	2.4	2.43E+00	2.40E+00	0.03	1.0	1.3	0.2
		2.41E+00				0.4	
		2.37E+00				-1.2	
107 mg/kg ² B0.3F	2.8	2.82E+00	2.74E+00	0.16	5.8	0.7	-2.2
		2.56E+00				-8.6	
		2.84E+00				1.4	
913 mg/kg ² B3M	24	2.50E+01	2.60E+01	0.9	3.0	4.2	8.4
		2.62E+01				9.2	
		2.68E+01				11.7	
1070 mg/kg ² B3F	28	2.77E+01	2.73E+01	0.6	2.0	-1.1	-2.5
		2.76E+01				-1.4	
		2.66E+01				-5.0	
1826 mg/kg ² B6M	48	4.86E+01	4.84E+01	0.5	1.0	1.3	0.8
		4.87E+01				1.5	
		4.78E+01				-0.4	
2140 mg/kg ² B6F	56	5.69E+01	5.74E+01	0.7	1.0	1.6	2.5
		5.71E+01				2.0	
		5.82E+01				3.9	

1. Quantity of nicotine (mg) per kg of feed.
2. Quantity of tobacco blend (mg) per kg of feed.

Table 22 – Results for Postdose Nicotine Hydrogen Tartrate Formulations

Formulation ID	Target Concentration ¹ (mg/kg)	Reported Concentration ¹ (mg/kg)	Average Corrected Concentration ¹ (mg/kg)	s (mg/kg)	RSD	RE	Average RE
137 mg/kg ² NT6M	48	4.45E+01	4.49E+01	0.3	0.7	-7.3	-6.4
		4.51E+01				-6.0	
		4.51E+01				-6.0	
160 mg/kg ² NT6F	56	5.38E+01	5.33E+01	1.2	2.3	-3.9	-4.9
		5.19E+01				-7.3	
		5.41E+01				-3.4	

- Quantity of nicotine (mg) per kg of feed.
- Quantity of nicotine hydrogen tartrate (mg) per kg of feed.

Table 23 – Results for Postdose Aqueous Tobacco Extract Formulations

Formulation ID	Target Concentration ¹ (mg/kg)	Reported Concentration ¹ (mg/kg)	Average Corrected Concentration ¹ (mg/kg)	s (mg/kg)	RSD	RE	Average RE
104 mg/kg ² E0.3M	2.4	2.14E+00	2.26E+00	NA	NA	-10.8	-5.8
		2.16E+00*				*	
		2.38E+00				-0.8	
122 mg/kg ² E0.3F	2.8	2.65E+00	2.66E+00	0.12	4.5	-5.4	-5.1
		2.78E+00				-0.7	
		2.54E+00				-9.3	
1044 mg/kg ² E3M	24	2.34E+01	2.34E+01	0.5	2.0	-2.5	-2.6
		2.38E+01				-0.8	
		2.29E+01				-4.6	
1223 mg/kg ² E3F	28	2.69E+01	2.71E+01	0.4	1.0	-3.9	-3.3
		2.68E+01				-4.3	
		2.75E+01				-1.8	
2088 mg/kg ² E6M	48	4.50E+01	4.56E+01	0.7	2.0	-6.3	-5.1
		4.64E+01				-3.3	
		4.53E+01				-5.6	
2447 mg/kg ² E6F	56	5.55E+01	5.57E+01	0.5	0.9	-0.9	-0.6
		5.62E+01				0.4	
		5.53E+01				-1.3	

- Quantity of nicotine (mg) per kg of feed.
 - Quantity of aqueous tobacco extract (mg) per kg of feed.
- * Sample was BLOQ before it was corrected for the sample weight. The corrected concentration is an extrapolated value that has been corrected for its sample weight. This value was not used in the sample calculations.

V. ACKNOWLEDGMENTS

Jonathan Karshner, Laura Ranney, Jeff Allton, and Teresa Poliquin performed the formulation work, Hans Whittenburg and Dan Burnham performed the analytical work. Ed Psurny wrote this report. Maria Evascu reviewed the data and report for completeness and accuracy.

APPENDIX A**STANDARD OPERATING PROCEDURE (SOP) FOR THE ANALYSIS OF
NICOTINE IN NTP-2000 FEED**

Verified Exact Copy valid for 14 days. Initials/Date: _____

AUG 19 2008

Manual Number:
Battelle SOP Number: COMSPEC.II-055-01
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**STANDARD OPERATING PROCEDURE (SOP) FOR THE ANALYSIS OF
NICOTINE IN NTP-2000 FEED**

Originator: EB Date 8/19/08

Approved by: Boris Budd Date 8/19/08
 Technical Reviewer

Approved by: [Signature] Date 8/19/08
 Study Director

Approved by: Steve W. Shave Date 8/19/08
 Management

Reviewed and Registered by QAU:
 [Signature] Date 8/19/08

Battelle
505 King Avenue
Columbus, Ohio 43201

Manual Number:
Battelle SOP Number: COMSPEC.II-055-01
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I. SCOPE

This SOP describes the analytical method to determine the amount of nicotine in feed samples. Calibration standards are prepared from two independently prepared solutions. The calibration standards, blanks, and feed samples are extracted with methyl t-butyl ether and analyzed by gas chromatography (GC) with flame ionization detection (FID). Concentrations of nicotine are calculated using the peak response, dilution, and a regression line constructed from the concentrations and peak area responses of the calibration standards

II. PURPOSE

The purpose of this SOP is to provide instructions for conducting the analysis of nicotine in feed.

III. REFERENCES

Current SOP for Labeling Reagents, Solutions, Test and Control Articles, and Specimens
Current SOP for Using Electronic Balances
Current SOP for Recording, Reviewing, and Correcting Raw Data
Current SOP for Operation, Calibration, and Maintenance of Fixed and Adjustable Volume Pipettors.
Current SOP for Operation and Maintenance of Gas Chromatographs
Current SOP for Numeric Data and Calculations
Current SOP for Use and Training of the Atlas Chromatography Data System

IV. DEFINITIONS

None.

V. GENERAL INSTRUCTIONS

Calibrate all required balances according to the SOP on balance usage.

Make equivalent dilutions when the volume needed varies from the volume stated in the method.

Label all standard and reagent solutions as specified in the appropriate SOP.

Sign or initial on each page of this document to signify that you have followed the method as written, all materials and reagents are current, and all equipment has been properly calibrated.

Initial and date all data entries on the page on which they were made. If only one person enters all data on a page on a single day, then the documentation may be made in a single location on that page by that person. If multiple staff make entries or one

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person makes entries on different days, all must be initialed and dated by the person making the entry.

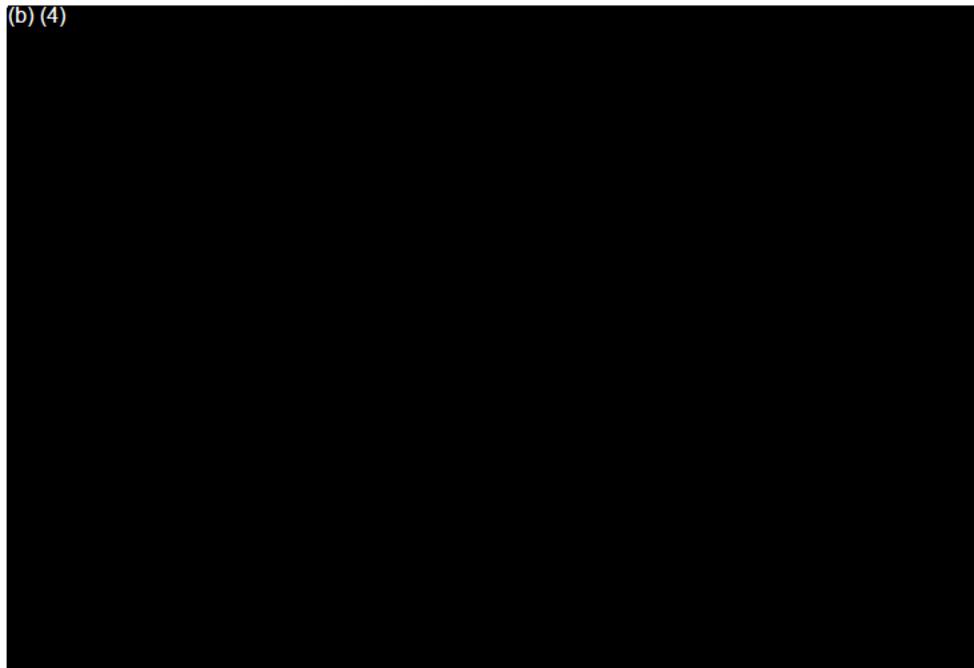
The method is written in general chronological order. However, it is not essential that all sections be performed sequentially. The analyst may determine the order for conducting the task in the most efficient manner, unless the order for certain activities is specified.

VI. PROCEDURE

A. SAMPLES

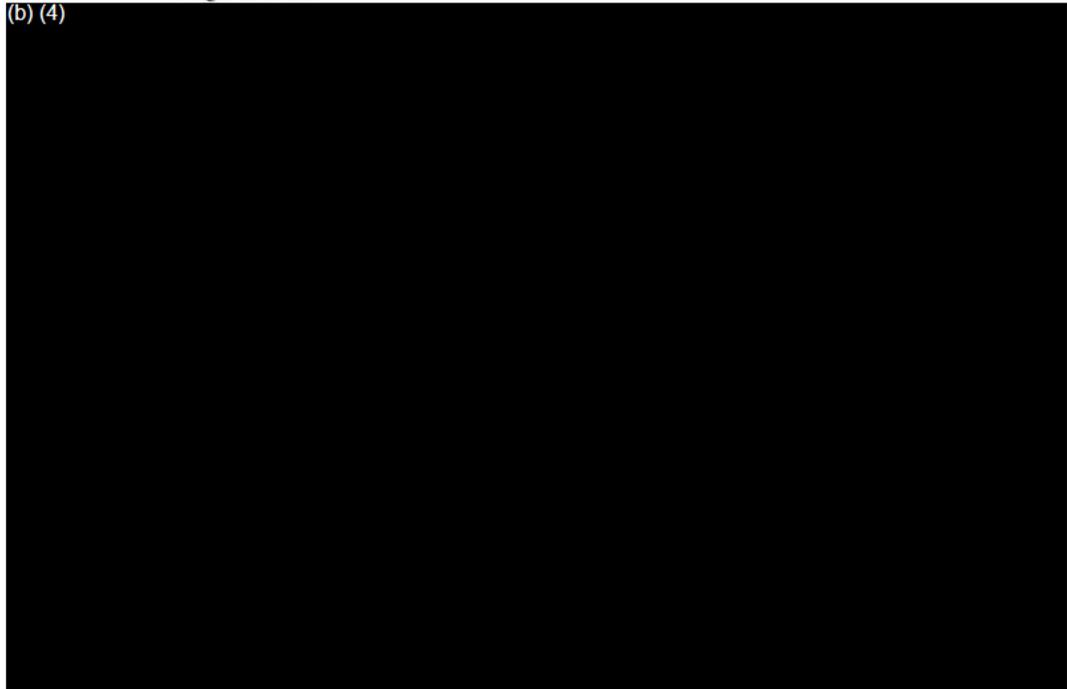
See Chain of Custody for samples.

(b) (4)

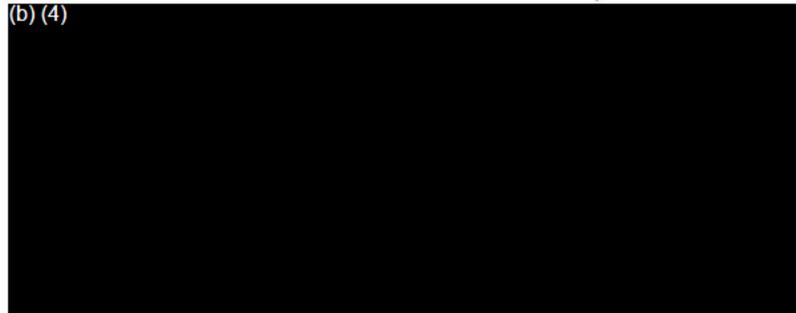


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C. EQUIPMENT



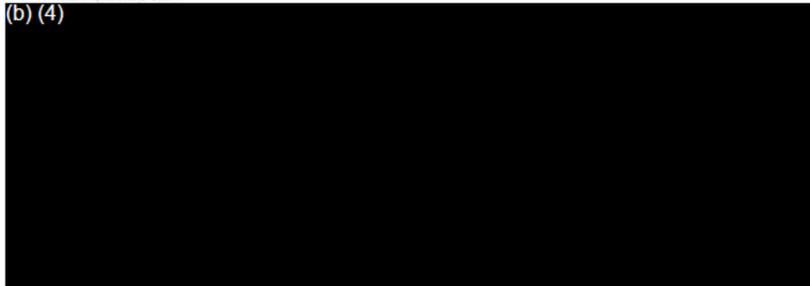
D. EXTRACTION SOLUTION



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E. PREPARATION OF BLANK FEED EXTRACTED EXTRACTION SOLUTION

(b) (4)



Date Prepared: _____ Study Number: _____

F. PREPARATION OF STANDARDS

1. Preparation of Solutions A and B

(b) (4)

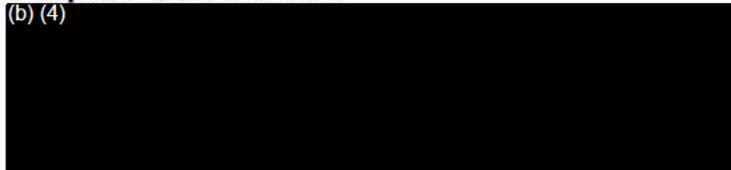


Table 3 – Preparation of Solutions A and B

ID	Target Concentration (µg/mL)	Target Weight (mg)	Actual Weight (mg)	Final Volume (mL)
A	116	33 ± 1		100
B	52.6	30 ± 1		200

Date Prepared: _____ Study Number: _____

2. Preparation of Solutions C through F

(b) (4)



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Table 4 – Preparation of Solutions C - F

ID	Source	Source Volume (mL)	Final Volume (mL)	Target Concentration (µg/mL)
C	A	6.0	25	27.8
D	B	6.0	25	12.6
E	A	2.0	25	9.28
F	B	2.0	25	4.21

Date Prepared: _____ Study Number: _____

3. Feed Standards

(b) (4)

Table 5 – Preparation of Feed Standards

ID	Source	Source Volume (mL)	Target Concentration (mg/kg)
Std 1	A	5	58.0
Std 2	B	5	26.3
Std 3	C	5	13.9
Std 4	D	5	6.30
Std 5	E	5	4.64
Std 6	F	5	2.11

(b) (4)

Date Prepared: _____ Study Number: _____

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 Battelle SOP Number: COMSPEC.II-055-01
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G. PREPARATION OF BLANKS

I. Feed Blanks

To prepare each blank type (with and without IS) in singlet, weigh 10 ± 1 g of NTP 2000 feed into two 120 mL amber glass bottles. Add 25 mL of 2N sodium hydroxide into each blank, cap and mix well to wet all of feed, and let stand for ~15 minutes.

Feed Blank with IS (single replicate): Add 15 mL of **extraction solution** to each sample, cap, and shake by hand for ~ 15 seconds. After shaking, break the feed by stirring it with a clean spatula until the clumping has been dissipated. Place the blank on the wrist action shaker for ~ 2 hours.

Feed Blank without IS (single replicate): Add 15 mL of **MTBE** to each sample, cap, and shake by hand for ~ 15 seconds. After shaking, break the feed by stirring it with a clean spatula until the clumping has been dissipated. Place the blank on the wrist action shaker for ~ 2 hours.

During the ~2 hours of shaking, stop shaker and remove samples individually and shake by hand to make sure there is no feed sticking to the side of the bottle that is facing up.

Place samples in the centrifuge ~15 minutes at a setting of 2000 rpm.

Transfer an appropriate amount of the extraction solution portion of the extract into a GC vial. This solution may be stored protected from light at room temperature for 10 days.

Date Prepared: _____ Study Number: _____

H. FEED SAMPLE ANALYSIS

To prepare each sample in triplicate, weigh triplicate 10 ± 1 g of sample into individual 120 mL amber glass bottles and record the weight in Table 6, Table 7, Table 8, and Table 9. Add 25 mL of 2N sodium hydroxide into each sample, cap and mix well to wet all of feed, and let stand for ~15 minutes.

Table 6 –Control Sample Weights

Species	Target Formulation Concentration (mg/kg)	Target Nicotine Concentration (mg/kg)	Aliquot A (g)	Aliquot B (g)	Aliquot C (g)
Rat and/or Mouse	0	0			

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Table 7 – Tobacco Blend Sample Weights

Species	Formulation	Batch	Target Nicotine Concentration (mg/kg)*	Aliquot A (g)	Aliquot B (g)	Aliquot C (g)
Rat	Male-Low Dose	__-Blend-__				
	Female-Low Dose	__-Blend-__				
	Male-Mid Dose	__-Blend-__				
	Female-Mid Dose	__-Blend-__				
	Male-High Dose	__-Blend-__				
	Female-High Dose	__-Blend-__				
Mouse	Male-Low Dose	__-Blend-__				
	Female-Low Dose	__-Blend-__				
	Male-Mid Dose	__-Blend-__				
	Female-Mid Dose	__-Blend-__				
	Male-High Dose	__-Blend-__				
	Female-High Dose	__-Blend-__				

*Concentration will be filled in at time of analysis.

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Table 8– Nicotine Hydrogen Tartrate Sample Weights

Species	Target Formulation Concentration (mg/kg)	Batch	Target Nicotine Concentration (mg/kg)*	Aliquot A (g)	Aliquot B (g)	Aliquot C (g)
Rat	Male-High Dose	-NT-				
	Female-High Dose	-NT-				
Mouse	Male-High Dose	-NT-				
	Female-High Dose	-NT-				

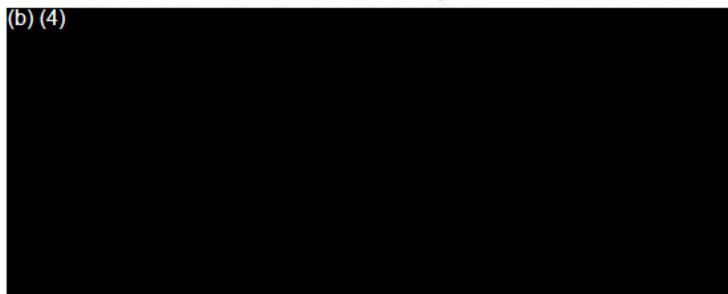
*Concentration will be filled in at time of analysis.

Table 9– Tobacco Extract Sample Weights

Species	Target Formulation Concentration (mg/kg)	Batch	Target Nicotine Concentration (mg/kg)*	Aliquot A (g)	Aliquot B (g)	Aliquot C (g)
Rat	Male-Low Dose	-Extract-				
	Female-Low Dose	-Extract-				
	Male-Mid Dose	-Extract-				
	Female-Mid Dose	-Extract-				
	Male-High Dose	-Extract-				
	Female-High Dose	-Extract-				
Mouse	Male-Low Dose	-Extract-				
	Female-Low Dose	-Extract-				
	Male-Mid Dose	-Extract-				
	Female-Mid Dose	-Extract-				
	Male-High Dose	-Extract-				
	Female-High Dose	-Extract-				

*Concentration will be filled in at time of analysis.

(b) (4)



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Table 10 –Dilution of Feed Samples

Target Nicotine Concentration (mg/kg)	Volume of Extract (mL)	Final Dilution Volume (mL)
0-49	No Dilution Needed	
50-500	1	10
501-1200	1	25
1201-1750	0.5	25

Transfer an appropriate amount of the extraction solution portion of the extract into a GC vial.

I. ANALYSIS

(b) (4)

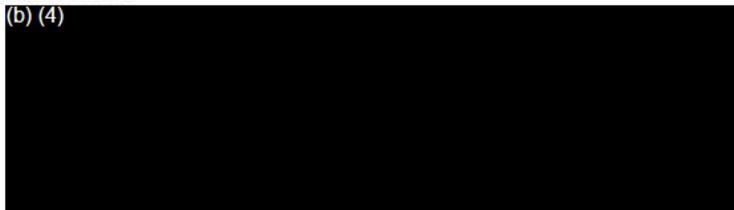


Table 11 – GC Conditions

GC System No:	Agilent 6890 (Palo Alto, CA)
Analytical Column	Restek RTX-5 Amine (Bellefonte, PA), 30 m x 0.32 mm, 1.0 µm film thickness SN _____ or equivalent Column Length: _____ meters
Carrier Gas/Flow Rate	Hydrogen at 4.6 mL/min (or equivalent to 10.5 psi head pressure) _____ mL/min Set to constant pressure.
Oven Temperature Program*	60°C, hold for 3 minutes, increase at 8°C/minutes to 220°C, increase at 20°C/minute to 300°C/min hold for 5 minutes
Injection Volume*/Mode	2 µL/Splitless _____ µL
Inlet Liner	4 mm Base Deactivated Splitless Liner
Injector Temperature*	265°C
Detector Type	Flame Ionization Detector (FID)
Detector Flow Rates*	Hydrogen at ~ 30 mL/min; Air at ~ 280mL/min
Detector Temperature*	270°C
A/D Converter	Fisons Chrom Server _____

*Parameters which may be modified by the analyst.

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(b) (4)

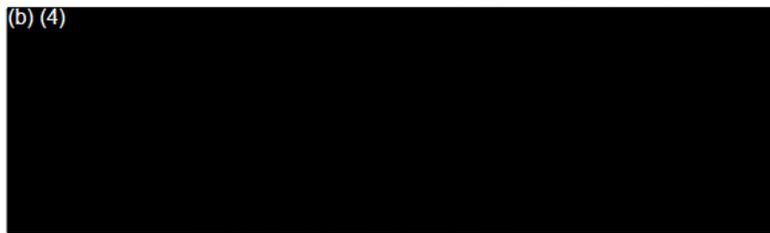


Table 12 – Additional GC Conditions

GC System No:	_____ Agilent 6890 (Palo Alto, CA)
Analytical Column	Restek RTX-5 Amine (Bellefonte, PA), 30 m x 0.32 mm, 1.0 μ m film thickness SN _____ or equivalent Column Length: _____ meters
Carrier Gas/Flow Rate	Hydrogen at 4.6 mL/min (or equivalent to 10.5 psi head pressure) _____ mL/min Set to constant pressure.
Oven Temperature Program*	60°C, hold for 3 minutes, increase at 8°C/minutes to 220°C, increase at 20°C/minute to 300°C/min hold for 5 minutes
Injection Volume*/Mode	2 μ L/Splitless _____ μ L
Inlet Liner	4 mm Base Deactivated Splitless Liner
Injector Temperature*	265°C
Detector Type	Flame Ionization Detector (FID)
Detector Flow Rates*	Hydrogen at ~ 30 mL/min; Air at ~ 280mL/min
Detector Temperature*	270°C
A/D Converter	Fisons Chrom Server _____

*Parameters which may be modified by the analyst.

- Use the Atlas automated chromatography data software (CDS) system to collect the electronic output.
- Set up the CDS to acquire the data and do appropriate calculations.

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VII. CALCULATIONS

Examine the integration of the peaks. Modify, as necessary, to obtain consistent integration. Ensure that the response of the standards bracket the response for all filter samples.

Calculate the exact concentration of each standard and enter these into the chromatography data system.

Use the parameters in Table 13 to calculate the regression equation.

Table 13 – Regression Parameters

Model	Linear
Weighting	1/x
y-intercept	Calculate, Do Not Force through Origin
y-values	Nicotine/IS Peak Area Ratio
x-values	Nicotine Standard Concentrations

Calculate the % Relative Error (RE) for each standard. If the RE of any standard is not within 10% of the nominal concentration, evaluate the impact of omitting that calibration standard from the curve. One standard may be omitted from the curve, if deemed technically necessary.

Calculate the chromatography acceptance criteria parameters specified in Table 14 for the system suitabilities.

Calculate the concentration, the average concentration, the standard deviation (s), and the percent relative standard deviation (RSD) for the system suitabilities. Calculate the concentration for each "drift" and compare it to the average of the system suitabilities.

Calculate the amount of nicotine in each formulation sample using its peak ratio response, the regression equation, and dilution factor.

Calculate the average concentration, individual and average RE, s, and RSD for the triplicates. Examine any potential outliers using the Q-test with a 90% confidence interval.

The concentration units in Atlas are mg/kg.

VIII. RESULTS

Place the spreadsheet in the data package. Report all values with concentrations below the specified limit of quantitation as "BLOQ". The Limit of Quantitation (LOQ) is 2.11 mg/kg.

Produce the Atlas Report "Run Reference" and include it the data package.

Include the chain of custody forms in the data package.

Manual Number:
 Battelle SOP Number: COMSPEC.II-055-01
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IX. ACCEPTANCE CRITERIA

See Table 14 for acceptance criteria.

Table 14– Acceptance Criteria

Parameter	Acceptance Limit
Asymmetry*	0.5 - 3
RSD*	≤ 5%
Resolution*	>3 between IS and Nicotine
Efficiency*	Nicotine ≥ 500,000
Standards	r ≥ 0.99; RE -10 to 10 at each level, except for the low standard which is -15 to 15.
Drifts	RE -10 to 10 compared to the average of the system suitability samples.
Pre-Dose Formulations	RE -10 to 10 and an RSD ≤ 10 compared to the target concentration. If any of the criteria do not meet the acceptance criteria, notify the study director immediately. Animal room (post-dose) samples do not have acceptance criteria, and will be compared to the pre-dose analysis results to look for trends in concentration.

* in System suitability samples only.

X. TASK LEADER RESPONSE TO FAILURE TO MEET ACCEPTANCE CRITERIA

A. ASYMMETRY, EFFICIENCY, RESOLUTION

Verify that the proper instrument system (column, gas, flow rates, etc.) was used for the analysis. If not, samples need to be re-injected using the correct instrument system.

If the correct instrument system was used, compare the current chromatograms to a past analysis. If the chromatography has changed substantially, determine and correct the problem with the instrument system and then re-inject the samples. If the chromatography has not changed substantially the run may be accepted.

B. DRIFTS

Verify that all calculations are correct.

Calculate the drift based on the standard that is used for the drift samples. If the drifts pass based on this calculation notify the CTC management.

If the drifts still do not pass, re-inject the entire analysis.

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If the drifts fail after re-injection, repeat the entire analysis from the beginning on a new instrument system if possible.

C. RSD

Verify that all calculations are correct.

D. CORRELATION COEFFICIENT/RE OF STANDARDS

Verify that all concentrations, the regression model, integration, and calculations are correct.

If the standards still fail after correcting any calculation errors, repeat the analysis from the beginning if possible. The Study Director may choose to accept data with standards outside the normal acceptance range.

XI. COMMENTS/CONCLUSIONS

XII. DATA REVIEW

A. TECHNICAL REVIEW

Review at least the following to assure they are acceptable; rejection of calibration standards, integration of chromatograms, chromatography data processing and acquisition parameters, calibration standard concentrations, regression model, and compliance of data with acceptance criteria.

B. DATA ACCURACY REVIEW

Review at least the following: completeness and correctness of data entry, formulas used to calculate all values, and accuracy of calculations.

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XIII. REVISION HISTORY

- Table 2 added "and/or" to Manufacturer/ Model in column header.
- Table 2 added "Not Needed" to Manufacturer and /or Model column for sonicator, vortexer, wrist shaker, and centrifuge.
- Table 2 removed "Not Needed" from calibration due column of pipettor and repeater pipette.
- Revised Tables 7, 8, 9, and 10
- Revised Table 14.

XIV. SIGNATURES

Technical Review Signature/Date:

Signature of the technical reviewer will be considered documentation that all modifications and/or changes to this SOP (documented during the course of conducting this task) are technically acceptable and have no adverse technical impact unless otherwise noted. Changes or deviations to the acceptance criteria section require independent assessment by the technical reviewer.

Data Accuracy Review Signature/Date:

APPENDIX G: OPHTHALMIC REPORT

OPHTHALMIC EXAMINATIONS REPORT

Materials and Methods

Ophthalmic examinations were performed on all animals once pre-study (Day -7), and on Core Toxicology study animals on Day 84 and 85.

The pupils of the animals were dilated by instillation of 1% Tropicamide Ophthalmic Solution (Bausch and Lomb) into each eye before examination.

Each ophthalmic examination included an examination of the adnexal structures, a direct examination of anterior segment of the eye, and an indirect examination of the posterior segment of the eye. Examination of adnexal structures included conjunctiva, eyelids and eyelashes. Structures examined in the anterior segment of the eye included the cornea, sclera, iris, pupil, lens, aqueous humor and anterior chamber. Structures examined in the posterior segment of the eye included the vitreous humor, retina and optic disc.

A Zeiss Hand Slit Lamp HSO 10 was utilized for all direct ophthalmic examinations. A Keeler All Pupil Indirect Ophthalmoscope with a Volk 30 diopter double aspheric lens was utilized for all indirect ophthalmic examinations.

Pretest Results

Twelve out of 185 male animals were found to have ocular abnormalities. Of these, twelve exhibited corneal crystals (CC1) in one or both eyes. Twenty-nine out of 180 female animals were found to have ocular abnormalities. Of these, 28 exhibited CC1 in one or both eyes, and one animal exhibited an opaque anterior chamber with corneal vascularization.

All other animals were noted as normal during the ophthalmic examinations.

Week 13 (Day 84 and 85) Results

Sixty-five Core Toxicology animals [male numbers 103, 115, 116, 118, and 120 (CM); 216 (NT6M); 301, 303, 308, and 318 (B0.3M); 401, 412, 414, and 416 (B3M); 515, 518, and 520 (B6M); 602, 609, 613, 616, and 618 (E0.3M); 710 and 711 (E3M); and 808, 810, 814, and 820 (E6M) and female numbers 152, 155, 165, and 169 (CF); 355, 357, 360, 361, 366, 368, and 369 (B0.3F); 452, 456, 457, 464, and 469 (B3F); 551, 553, 559, 568, and 570 (B6F); 658, 659, and 662 (E0.3F); 751, 752, 753, 754, 757, and 761 (E3F); 851, 853, 858, 860, 864, 867, and 868 (E6F)] had CC1. Male number 609 (E0.3M) had CC2 in the right eye; however the ocular structures were otherwise normal.

There were no other ophthalmic findings for Core Toxicology animals assigned to the study.

Conclusions

During the Week 13 (Day 84 and 85) examinations, CC1 were found in 65 rats; while one rat exhibited CC2 in the right eye. According to the literature cited below, corneal crystals have been seen in this rat strain.

All other Core Toxicology animals examined during Week 13 (Day 84 and 85) were noted with normal ophthalmic examination results.

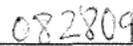
No test article-related ophthalmic abnormalities were noted during the study.

References:

http://www.criver.com/sitecollectiondocuments/rm_rm_r_ophthalmic_lesions_crlcd_br_rat.pdf



Susan J. Reed, DVM
Toxicology Battelle Columbus



Date



Tracy A. Peace, DVM, MS, DACLAM
Toxicology Battelle Columbus
Technical Review



Date

Ophthalmic Exam Results - Males

Study ID	Day -7 Findings 8/26/08	Week 13 Findings 11/24-11/25/08
101	Normal	Normal
102	Normal	Normal
103	CC1 OS	CC1 OS
104	Normal	Normal
105	Normal	Normal
106	Normal	Normal
107	Normal	Normal
108	Normal	Normal
109	Normal	Normal
110	Normal	Normal
111	Normal	Normal
112	Normal	Normal
113	Normal	Normal
114	Normal	Normal
115	CC1 OS	CC1 OS
116	Normal	CC1 OD
117	Normal	Normal
118	CC1 OD	CC1 OD
119	Normal	Normal
120	CC1 OS	CC1 OS
201	Normal	Normal
202	Normal	Normal
203	Normal	Normal
204	Normal	Normal
205	Normal	Normal
206	Normal	Normal
207	Normal	Normal
208	Normal	Normal
209	Normal	Normal
210	Normal	Normal
211	Normal	Normal
212	Normal	Normal
213	Normal	Normal
214	Normal	Normal
215	Normal	Normal
216	Normal	CC1 OD

Ophthalmic Exam Results – Males (Continued)

Study ID	Day -7 Findings 8/26/08	Week 13 Findings 11/24-11/25/08
217	Normal	Normal
218	Normal	Normal
219	Normal	Normal
220	Normal	Normal
301	CC1 OD	CC1 OD
302	Normal	Normal
303	CC1 OS	CC1 OS
304	Normal	Normal
305	Normal	Normal
306	Normal	Normal
307	Normal	Normal
308	Normal	CC1 OD
309	Normal	Normal
310	Normal	Normal
311	Normal	Normal
312	Normal	Normal
313	Normal	Normal
314	Normal	Normal
315	Normal	Normal
316	Normal	Normal
317	Normal	Normal
318	Normal	CC1 OS
319	Normal	Normal
320	Normal	Normal
401	Normal	CC1 OD
402	Normal	Normal
403	Normal	Normal
404	Normal	Normal
405	Normal	Normal
406	Normal	Normal
407	Normal	Normal
408	Normal	Normal
409	Normal	Normal
410	Normal	Normal
411	Normal	Normal
412	Normal	CC1 OD

Ophthalmic Exam Results – Males (Continued)

Study ID	Day -7 Findings 8/26/08	Week 13 Findings 11/24-11/25/08
413	Normal	Normal
414	Normal	CC1 OS
415	Normal	Normal
416	Normal	CC1 OU
417	Normal	Normal
418	Normal	Normal
419	Normal	Normal
420	Normal	Normal
501	Normal	Normal
502	Normal	Normal
503	Normal	Normal
504	Normal	Normal
505	Normal	Normal
506	Normal	Normal
507	Normal	Normal
508	Normal	Normal
509	Normal	Normal
510	Normal	Normal
511	Normal	Normal
512	Normal	Normal
513	Normal	Normal
514	Normal	Normal
515	Normal	CC1 OD
516	Normal	Normal
517	Normal	Normal
518	CC1 OD	CC1 OD
519	Normal	Normal
520	Normal	CC1 OS
601	Normal	Normal
602	Normal	CC1 OS
603	Normal	Normal
604	Normal	Normal
605	Normal	Normal
606	Normal	Normal
607	Normal	Normal
608	Normal	Normal

Ophthalmic Exam Results – Males (Continued)

Study ID	Day -7 Findings 8/26/08	Week 13 Findings 11/24-11/25/08
609	Normal	CC1 OS, CC2 OD
610	Normal	Normal
611	Normal	Normal
612	Normal	Normal
613	Normal	CC1 OS
614	Normal	Normal
615	Normal	Normal
616	Normal	CC1 OD
617	Normal	Normal
618	Normal	CC1 OS
619	Normal	Normal
620	Normal	Normal
701	Normal	Normal
702	Normal	Normal
703	Normal	Normal
704	Normal	Normal
705	Normal	Normal
706	Normal	Normal
707	Normal	Normal
708	Normal	Normal
709	Normal	Normal
710	CC1 OD	CC1 OD
711	Normal	CC1 OS
712	Normal	Normal
713	Normal	Normal
714	Normal	Normal
715	Normal	Normal
716	Normal	Normal
717	Normal	Normal
718	Normal	Normal
719	Normal	Normal
720	Normal	Normal
801	Normal	Normal
802	Normal	Normal
803	Normal	Normal
804	Normal	Normal

Ophthalmic Exam Results – Males (Continued)

Study ID	Day -7 Findings 8/26/08	Week 13 Findings 11/24-11/25/08
805	Normal	Normal
806	Normal	Normal
807	Normal	Normal
808	Normal	CC1 OD
809	Normal	Normal
810	Normal	CC1 OS
811	Normal	Normal
812	Normal	Normal
813	Normal	Normal
814	CC1 OS	CC1 OS
815	Normal	Normal
816	Normal	Normal
817	Normal	Normal
818	Normal	Normal
819	Normal	Normal
820	Normal	CC1 OS

OD = Right eye; OS = Left eye; OU = Both eyes.

CC1 = Corneal Crystals, structures easily visualized through the CC.

CC2 = Corneal Crystals, structures can be visualized through the CC, with impairment.

Ophthalmic Exam Results - Females

Study ID	Day -7 Findings 8/27/08	Week 13 Findings 11/25-11/26/08
151	Normal	Normal
152	Normal	CC1 OU
153	Normal	Normal
154	Normal	Normal
155	Normal	CC1 OD
156	Normal	Normal
157	Normal	Normal
158	Normal	Normal
159	Normal	Normal
160	Normal	Normal
161	Normal	Normal
162	Normal	Normal
163	Normal	Normal
164	Normal	Normal
165	CC1 OD	CC1 OD
166	Not evaluated*	Normal
167	Normal	Normal
168	Normal	Normal
169	CC1 OS	CC1 OS
170	Normal	Normal
251	Normal	Normal
252	Normal	Normal
253	Normal	Normal
254	Normal	Normal
255	Normal	Normal
256	Normal	Normal
257	Normal	Normal
258	Normal	Normal
259	Normal	Normal
260	Normal	Normal
261	Normal	Normal
262	CC1 OS	Normal
263	Normal	Normal
264	Normal	Normal
265	Normal	Normal

Ophthalmic Exam Results – Females (Continued)

Study ID	Day -7 Findings 8/27/08	Week 13 Findings 11/25-11/26/08
266	Normal	Normal
267	Normal	Normal
268	Normal	Normal
269	Normal	Normal
270	Normal	Normal
351	Normal	Normal
352	Normal	Normal
353	Normal	Normal
354	Normal	Normal
355	Normal	CC1 OD
356	Normal	Normal
357	CC1 OS	CC1 OS
358	Normal	Normal
359	Normal	Normal
360	CC1 OS	CC1 OS
361	CC1 OS	CC1 OS
362	Normal	Normal
363	Normal	Normal
364	Normal	Normal
365	Normal	Normal
366	CC1 OD	CC1 OD
367	Normal	Normal
368	CC1 OD	CC1 OD
369	CC1 OS	CC1 OS
370	Normal	Normal
451	Normal	Normal
452	Normal	CC1 OD
453	Normal	Normal
454	Normal	Normal
455	Normal	Dead
456	CC1 OD	CC1 OD
457	CC1 OS	CC1 OS
458	Normal	Normal
459	Normal	Normal
460	Normal	Normal

Ophthalmic Exam Results – Females (Continued)

Study ID	Day -7 Findings 8/27/08	Week 13 Findings 11/25-11/26/08
461	Normal	Normal
462	Normal	Normal
463	Normal	Normal
464	Normal	CC1 OS
465	Normal	Normal
466	Normal	Normal
467	Normal	Normal
468	Normal	Normal
469	Normal	CC1 OD
470	Normal	Normal
551	CC1 OS	CC1 OS
552	Normal	Normal
553	Normal	CC1 OS
554	Normal	Normal
555	Normal	Normal
556	Normal	Normal
557	Normal	Normal
558	Normal	Normal
559	CC1 OD	CC1 OD
560	Normal	Normal
561	Normal	Normal
562	Normal	Normal
563	Normal	Normal
564	Normal	Normal
565	Normal	Normal
566	Normal	Normal
567	Normal	Normal
568	Normal	CC1 OS
569	Normal	Normal
570	Normal	CC1 OS
651	Normal	Normal
652	Normal	Normal
653	Normal	Normal
654	Normal	Normal
655	Normal	Normal

Ophthalmic Exam Results – Females (Continued)

Study ID	Day -7 Findings 8/27/08	Week 13 Findings 11/25-11/26/08
656	Normal	Normal
657	Normal	Normal
658	Normal	CC1 OD
659	Normal	CC1 OS
660	Normal	Normal
661	Normal	Normal
662	Normal	CC1 OU
663	Normal	Normal
664	Normal	Normal
665	Normal	Normal
666	Normal	Normal
667	Normal	Normal
668	Normal	Normal
669	Normal	Normal
670	Normal	Normal
751	Normal	CC1 OS
752	Not evaluated*	CC1 OD
753	CC1 OD	CC1 OD
754	Normal	CC1 OS
755	Normal	Normal
756	Normal	Normal
757	CC1 OD	CC1 OD
758	Normal	Normal
759	Normal	Normal
760	Normal	Normal
761	Normal	CC1 OS
762	Normal	Normal
763	Normal	Normal
764	Not evaluated*	Normal
765	Normal	Normal
766	Normal	Normal
767	Normal	Normal
768	Normal	Normal
769	Normal	Normal
770	Normal	Normal

Ophthalmic Exam Results – Females (Continued)

Study ID	Day -7 Findings 8/27/08	Week 13 Findings 11/25-11/26/08
851	CC1 OS	CC1 OS
852	Normal	Normal
853	Normal	CC1 OS
854	Normal	Normal
855	Not evaluated*	Normal
856	Normal	Normal
857	Normal	Normal
858	CC1 OS	CC1 OS
859	Normal	Normal
860	CC1 OS	CC1 OS
861	Normal	Normal
862	Normal	Normal
863	Normal	Normal
864	Normal	CC1 OS
865	Normal	Normal
866	Not evaluated*	Normal
867	CC1 OS	CC1 OS
868	CC1 OD	CC1 OD
869	Normal	Normal
870	Normal	Normal

OD = Right eye; OS = Left eye; OU = Both eyes.

CC1 = Corneal Crystals, structures easily visualized through the CC.

* Not evaluated = notation on prestudy exam form that animal was a sentinel.

APPENDIX H: TOXICOKINETIC REPORT

**90-DAY REPEATED DOSE SUBCHRONIC TOXICITY STUDY OF TOBACCO
BLEND AND AQUEOUS TOBACCO EXTRACT IN WISTAR HAN RATS**

SAMPLE ANALYSIS AND KINETICS REPORT

**DETERMINATION OF NICOTINE AND COTININE IN RAT PLASMA BY LIQUID
CHROMATOGRAPHY WITH MASS SPECTROMETRY (LC-MS)**

Battelle Study No. CN49730E

August 24, 2009

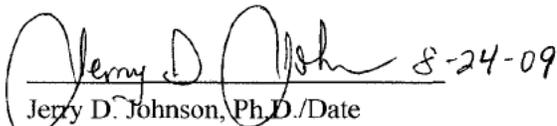
Prepared By:


For Stephen J. Summer/Date

Approved By:


Brian L. Burbach, Ph.D./Date

Approved By:


Jerry D. Johnson, Ph.D./Date

Testing Facility:

Battelle Memorial Institute
505 King Avenue
Columbus, OH 43201

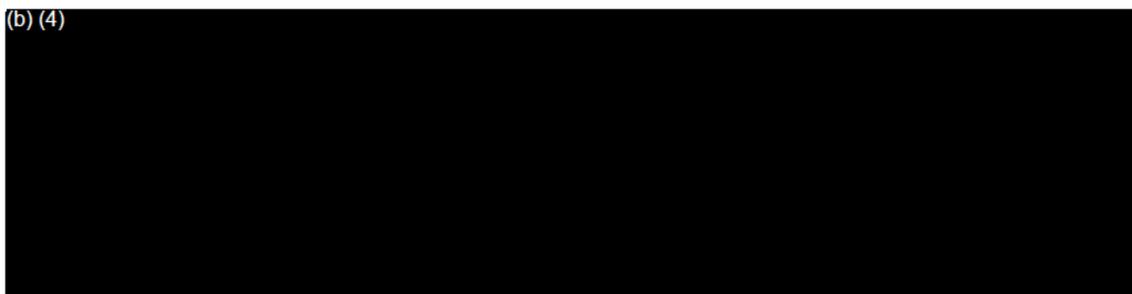
Study Sponsor:

R.J. Reynolds Tobacco Company
Research and Development
Bowman Gray Technical Center
Winston-Salem, NC 27102

EXECUTIVE SUMMARY

Rat plasma samples were received frozen from the Battelle Toxicology group from the study entitled "90-Day Repeated Dose Subchronic Toxicity Study of Tobacco Blend and Aqueous Tobacco Extract in Wistar Han Rats" for analysis of nicotine and cotinine plasma concentration levels.

(b) (4)



All samples were successfully analyzed.

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APPENDIX A – ANALYSIS
STANDARD OPERATING PROCEDURE (SOP)

Standard Operating Procedure (SOP) for the Analysis of Nicotine and Cotinine in Rat Plasma by LC-MS	A-1
--	-----

I. INTRODUCTION

This report contains a description of the analysis of the rat plasma samples from this study, the results of these analyses, and figures.

This work was performed at Battelle, 505 King Avenue, Columbus, OH 43201.

II. ANALYTICAL STANDARDS

Nicotine, Lot No. 127K4111, with a purity of 99.5%, was received from Sigma-Aldrich, and was used as an analytical standard. This analytical standard was stored at room temperature and has an expiration date of December 2010.

Cotinine, Lot Nos. 048K4031 and 117K4005, with a purity of 99%, were received from Sigma-Aldrich, and were used as an analytical standard. These analytical standards were stored refrigerated and have an expiration date of March 2009.

Nicotine-d₃ salicylate salt, Lot No. 048K4040, with a purity of 99.5%, was received from Sigma-Aldrich, and was used as an internal standard (IS) for nicotine. This standard was stored at room temperature and has an expiration date of September 2013.

Cotinine-d₃ (methyl-d₃), Lot No. IS1107, with a purity of 99.4%, was received from Sigma-Aldrich, and was used as an IS for cotinine. This standard was stored refrigerated and has an expiration date of June 2013.

These standards were used to perform all work covered in this report.

III. MATRIX/SPECIES

Plasma, Wistar Han rat with potassium ethylene diamine tetraacetic acid (EDTA), was received from Bioreclamation and used as the matrix to conduct this study.

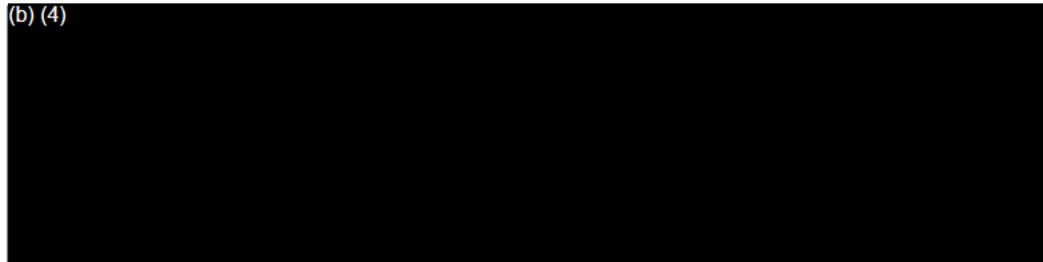
IV. PLASMA SAMPLE ANALYSIS

A. SAMPLE RECEIPT

Rat plasma samples were received frozen from the Battelle Commercial Toxicology group from the study entitled "90-Day Repeated Dose Subchronic Toxicity Study of Tobacco Blend and Aqueous Tobacco Extract in Wistar Han Rats" for analysis of nicotine and cotinine plasma concentration levels. A total of 320 samples were received on the study, 80 samples each on September 23, 2008 (Week 2), October 7, 2008 (Week 4), October 31, 2008 (Week 8), and December 4, 2008 (Week 13). All samples were received in good condition and stored at approximately -70°C until analysis.

B. METHOD

(b) (4)



(b) (4)

C. RESULTS

A summary of each sample analysis, including any discrepancies, is shown in Table 1 and Table 2.

Table 1 – Summary of Nicotine Sample Analyses

Analysis Date	Analysis Set	Discrepancies and Acceptance Criteria	Data Reported?
10/7/08	Set 1	All acceptance criteria met	Yes
10/8/08	Set 2	Blanks fail acceptance criteria at PS-8, used PS-7 for acceptance, nicotine standards PS-6B and PS-8B were excluded	Yes
10/8/08	Set 3	QC Low fail acceptance for relative standard deviation (RSD) and average relative error (RE)	Below the Limit Of Quantitation (BLOQ) values and values above the QC Mid average
10/12/08	Set 4	Nicotine standards PS-7A and PS-7B were excluded, QC Low fail acceptance for average RE	BLOQ values and values above the QC Mid average, BAR samples
11/5/08	Set 5	All acceptance criteria met	Yes

Table 1 – Summary of Nicotine Sample Analyses (Continued)

Analysis Date	Analysis Set	Discrepancies and Acceptance Criteria	Data Reported?
11/5/08	Set 6	Nicotine standards PS-5B, PS-7A, and PS-8A were excluded	Yes
11/6/08	Set 7	Nicotine standards PS-6 and PS-8 fail average RE, Blanks fail acceptance criteria, QC Low fail acceptance for RSD and average RE, QC Mid fail acceptance for average RE	BAR samples
11/12/08	Set 8	All acceptance criteria met	Yes
12/5/08	Set 9	All acceptance criteria met	Yes
12/8/08	Set 10	Nicotine standard PS-8B was excluded	Yes

Table 2 – Summary of Cotinine Sample Analyses

Analysis Date	Analysis Set	Discrepancies and Acceptance Criteria	Data Reported?
10/7/08	Set 1	All acceptance criteria met	Yes
10/8/08	Set 2	All acceptance criteria met	Yes
10/8/08	Set 3	All acceptance criteria met	Yes
10/12/08	Set 4	All acceptance criteria met	Yes
11/5/08	Set 5	NA	NA
11/5/08	Set 6	All acceptance criteria met	Yes
11/6/08	Set 7	All acceptance criteria met	Yes
11/12/08	Set 8	NA	NA
12/5/08	Set 9	All acceptance criteria met	Yes
12/8/08	Set 10	All acceptance criteria met	Yes

NA = Nicotine only repeat set.

The plasma calibration standards used to form the calibration curve from all reported runs met acceptance criteria (the correlation coefficient [r] greater than or equal to 0.99; average RE within 15% of nominal for all standards except the lowest standard which should have an average RE within 20%) in all but one run. The results of the calibration standards are presented in Table 3 and Table 4.

Table 3 – Nicotine Calibration Standard Results

Calibration Standard ID	Analysis Date	Analysis Set	Nominal Concentration (ng/mL)	Average Determined Concentration (ng/mL)	Average RE
PS-1	10/7/08	Set 1	1.98E+02	2.00E+02	1.0
	10/8/08	Set 2	1.98E+02	2.03E+02	2.5
	10/8/08	Set 3	1.98E+02	2.01E+02	1.5
	10/12/08	Set 4	1.98E+02	1.97E+02	-0.5
	11/5/08	Set 5	1.98E+02	2.00E+02	1.0
	11/5/08	Set 6	1.98E+02	1.96E+02	-1.0
	11/6/08	Set 7	1.98E+02	2.00E+02	1.0
	11/12/08	Set 8	1.98E+02	1.94E+02	-2.0
	12/5/08	Set 9	2.03E+02	2.03E+02	0.0
	12/8/08	Set 10	2.03E+02	2.02E+02	-0.5
PS-2	10/7/08	Set 1	1.61E+02	1.57E+02	-2.5
	10/8/08	Set 2	1.61E+02	1.54E+02	-4.3
	10/8/08	Set 3	1.61E+02	1.59E+02	-1.2
	10/12/08	Set 4	1.61E+02	1.62E+02	0.6
	11/5/08	Set 5	1.61E+02	1.60E+02	-0.6
	11/5/08	Set 6	1.61E+02	1.62E+02	0.6
	11/6/08	Set 7	1.61E+02	1.60E+02	-0.6
	11/12/08	Set 8	1.61E+02	1.67E+02	3.7
	12/5/08	Set 9	1.63E+02	1.62E+02	-0.6
	12/8/08	Set 10	1.63E+02	1.62E+02	-0.6
PS-3	10/7/08	Set 1	9.90E+01	1.02E+02	3.0
	10/8/08	Set 2	9.90E+01	9.90E+01	0.0
	10/8/08	Set 3	9.90E+01	9.51E+01	-3.9
	10/12/08	Set 4	9.90E+01	1.01E+02	2.0
	11/5/08	Set 5	9.90E+01	9.74E+01	-1.6
	11/5/08	Set 6	9.90E+01	1.02E+02	3.0
	11/6/08	Set 7	9.90E+01	9.89E+01	-0.1
	11/12/08	Set 8	9.90E+01	9.67E+01	-2.3
	12/5/08	Set 9	1.02E+02	1.04E+02	2.0
	12/8/08	Set 10	1.02E+02	1.06E+02	3.9
PS-4	10/7/08	Set 1	5.04E+01	4.98E+01	-1.2
	10/8/08	Set 2	5.04E+01	5.18E+01	2.8
	10/8/08	Set 3	5.04E+01	5.31E+01	5.4
	10/12/08	Set 4	5.04E+01	4.94E+01	-2.0
	11/5/08	Set 5	5.04E+01	5.24E+01	4.0
	11/5/08	Set 6	5.04E+01	4.80E+01	-4.8
	11/6/08	Set 7	5.04E+01	4.70E+01	-6.7
	11/12/08	Set 8	5.04E+01	5.16E+01	2.4
	12/5/08	Set 9	5.09E+01	4.98E+01	-2.2
	12/8/08	Set 10	5.09E+01	4.76E+01	-6.5
PS-5	10/7/08	Set 1	9.90E+00	9.56E+00	-3.4
	10/8/08	Set 2	9.90E+00	1.02E+01	3.0
	10/8/08	Set 3	9.90E+00	1.04E+01	5.1
	10/12/08	Set 4	9.90E+00	9.48E+00	-4.2

Table 3 – Nicotine Calibration Standard Results (Continued)

Calibration Standard ID	Analysis Date	Analysis Set	Nominal Concentration (ng/mL)	Average Determined Concentration (ng/mL)	Average RE
PS-5	11/5/08	Set 5	9.90E+00	9.37E+00	-5.4
	11/5/08	Set 6	9.90E+00	9.47E+00*	-4.3
	11/6/08	Set 7	9.90E+00	1.13E+01	14.1
	11/12/08	Set 8	9.90E+00	8.82E+00	-10.9
	12/5/08	Set 9	1.02E+01	1.01E+01	-1.0
	12/8/08	Set 10	1.02E+01	1.10E+01	7.8
PS-6	10/7/08	Set 1	5.04E+00	4.71E+00	-6.5
	10/8/08	Set 2	5.04E+00	5.75E+00	14.1
	10/8/08	Set 3	5.04E+00	5.11E+00	1.4
	10/12/08	Set 4	5.04E+00	4.98E+00	-1.2
	11/5/08	Set 5	5.04E+00	5.15E+00	2.2
	11/5/08	Set 6	5.04E+00	5.22E+00	3.6
	11/6/08	Set 7	5.04E+00	6.80E+00	34.9
	11/12/08	Set 8	5.04E+00	4.94E+00	-2.0
	12/5/08	Set 9	5.09E+00	4.65E+00	-8.6
	12/8/08	Set 10	5.09E+00	4.59E+00	-9.8
PS-7	10/7/08	Set 1	1.98E+00	2.13E+00	7.6
	10/8/08	Set 2	1.98E+00	1.81E+00	-8.6
	10/8/08	Set 3	1.98E+00	1.87E+00	-5.6
	10/12/08	Set 4	1.98E+00	*	*
	11/5/08	Set 5	1.98E+00	1.76E+00	-11.1
	11/5/08	Set 6	1.98E+00	1.82E+00*	-8.1
	11/6/08	Set 7	1.98E+00	2.08E+00	5.1
	11/12/08	Set 8	1.98E+00	2.22E+00	12.1
	12/5/08	Set 9	2.03E+00	2.14E+00	5.4
	12/8/08	Set 10	2.03E+00	2.11E+00	3.9
PS-8	10/7/08	Set 1	1.01E+00	1.02E+00	1.0
	10/8/08	Set 2	1.01E+00	9.60E-01*	-5.0
	10/8/08	Set 3	1.01E+00	9.81E-01	-2.9
	10/12/08	Set 4	1.01E+00	1.06E+00	5.0
	11/5/08	Set 5	1.01E+00	1.12E+00	10.9
	11/5/08	Set 6	1.01E+00	1.09E+00*	7.9
	11/6/08	Set 7	1.01E+00	1.32E+00	30.7
	11/12/08	Set 8	1.01E+00	9.93E-01	-1.7
	12/5/08	Set 9	1.02E+00	1.06E+00	3.9
	12/8/08	Set 10	1.02E+00	1.03E+00*	1.0

* One or both calibration standards were excluded from the calibration curve.

Table 4 – Cotinine Calibration Standard Results

Calibration Standard ID	Analysis Date	Analysis Set	Nominal Concentration (ng/mL)	Average Determined Concentration (ng/mL)	Average RE
PS-1	10/7/08	Set 1	2.02E+03	2.04E+03	1.0
	10/8/08	Set 2	2.02E+03	2.04E+03	1.0
	10/8/08	Set 3	2.02E+03	2.06E+03	2.0
	10/12/08	Set 4	2.02E+03	1.98E+03	-2.0
	11/5/08	Set 5	NA	NA	NA
	11/5/08	Set 6	2.02E+03	1.99E+03	-1.5
	11/6/08	Set 7	2.02E+03	2.03E+03	0.5
	11/12/08	Set 8	NA	NA	NA
	12/5/08	Set 9	1.99E+03	1.96E+03	-1.5
	12/8/08	Set 10	1.99E+03	1.94E+03	-2.5
PS-2	10/7/08	Set 1	1.62E+03	1.58E+03	-2.5
	10/8/08	Set 2	1.62E+03	1.60E+03	-1.2
	10/8/08	Set 3	1.62E+03	1.55E+03	-4.3
	10/12/08	Set 4	1.62E+03	1.67E+03	3.1
	11/5/08	Set 5	NA	NA	NA
	11/5/08	Set 6	1.62E+03	1.67E+03	3.1
	11/6/08	Set 7	1.62E+03	1.60E+03	-1.2
	11/12/08	Set 8	NA	NA	NA
	12/5/08	Set 9	1.62E+03	1.67E+03	3.1
	12/8/08	Set 10	1.62E+03	1.70E+03	4.9
PS-3	10/7/08	Set 1	1.01E+03	1.02E+03	1.0
	10/8/08	Set 2	1.01E+03	9.90E+02	-2.0
	10/8/08	Set 3	1.01E+03	1.02E+03	1.0
	10/12/08	Set 4	1.01E+03	9.90E+02	-2.0
	11/5/08	Set 5	NA	NA	NA
	11/5/08	Set 6	1.01E+03	1.00E+03	-1.0
	11/6/08	Set 7	1.01E+03	9.99E+02	-1.1
	11/12/08	Set 8	NA	NA	NA
	12/5/08	Set 9	9.95E+02	9.71E+02	-2.4
	12/8/08	Set 10	9.95E+02	9.66E+02	-2.9
PS-4	10/7/08	Set 1	5.05E+02	4.93E+02	-2.4
	10/8/08	Set 2	5.05E+02	5.23E+02	3.6
	10/8/08	Set 3	5.05E+02	5.15E+02	2.0
	10/12/08	Set 4	5.05E+02	5.02E+02	-0.6
	11/5/08	Set 5	NA	NA	NA
	11/5/08	Set 6	5.05E+02	4.99E+02	-1.2
	11/6/08	Set 7	5.05E+02	5.12E+02	1.4
	11/12/08	Set 8	NA	NA	NA
	12/5/08	Set 9	5.07E+02	5.17E+02	2.0
	12/8/08	Set 10	5.07E+02	5.15E+02	1.6
PS-5	10/7/08	Set 1	1.01E+02	1.09E+02	7.9
	10/8/08	Set 2	1.01E+02	1.04E+02	3.0
	10/8/08	Set 3	1.01E+02	1.02E+02	1.0
	10/12/08	Set 4	1.01E+02	1.00E+02	-1.0

Table 4 – Cotinine Calibration Standard Results (Continued)

Calibration Standard ID	Analysis Date	Analysis Set	Nominal Concentration (ng/mL)	Average Determined Concentration (ng/mL)	Average RE
PS-5	11/5/08	Set 5	NA	NA	NA
	11/5/08	Set 6	1.01E+02	1.00E+02	-1.0
	11/6/08	Set 7	1.01E+02	1.05E+02	4.0
	11/12/08	Set 8	NA	NA	NA
	12/5/08	Set 9	9.95E+01	9.53E+01	-4.2
	12/8/08	Set 10	9.95E+01	9.47E+01	-4.8
PS-6	10/7/08	Set 1	5.05E+01	5.59E+01	10.7
	10/8/08	Set 2	5.05E+01	4.71E+01	-6.7
	10/8/08	Set 3	5.05E+01	5.04E+01	-0.2
	10/12/08	Set 4	5.05E+01	5.24E+01	3.8
	11/5/08	Set 5	NA	NA	NA
	11/5/08	Set 6	5.05E+01	5.05E+01	0.0
	11/6/08	Set 7	5.05E+01	5.00E+01	-1.0
	11/12/08	Set 8	NA	NA	NA
	12/5/08	Set 9	5.07E+01	5.08E+01	0.2
	12/8/08	Set 10	5.07E+01	4.87E+01	-3.9
PS-7	10/7/08	Set 1	2.02E+01	1.89E+01	-6.4
	10/8/08	Set 2	2.02E+01	1.95E+01	-3.5
	10/8/08	Set 3	2.02E+01	1.85E+01	-8.4
	10/12/08	Set 4	2.02E+01	1.98E+01	-2.0
	11/5/08	Set 5	NA	NA	NA
	11/5/08	Set 6	2.02E+01	1.97E+01	-2.5
	11/6/08	Set 7	2.02E+01	1.89E+01	-6.4
	11/12/08	Set 8	NA	NA	NA
	12/5/08	Set 9	1.99E+01	2.02E+01	1.5
	12/8/08	Set 10	1.99E+01	2.03E+01	2.0
PS-8	10/7/08	Set 1	1.01E+01	9.09E+00	-10.0
	10/8/08	Set 2	1.01E+01	1.07E+01	5.9
	10/8/08	Set 3	1.01E+01	1.07E+01	5.9
	10/12/08	Set 4	1.01E+01	1.01E+01	0.0
	11/5/08	Set 5	NA	NA	NA
	11/5/08	Set 6	1.01E+01	1.05E+01	4.0
	11/6/08	Set 7	1.01E+01	1.05E+01	4.0
	11/12/08	Set 8	NA	NA	NA
	12/5/08	Set 9	1.01E+01	1.03E+01	2.0
	12/8/08	Set 10	1.01E+01	1.07E+01	5.9

NA = Nicotine only repeat set.

The blanks for nicotine met acceptance criteria (average response no greater than or equal to 50% of the average response of the lowest acceptable standard) in all runs, except analysis sets 2 and 7. The blanks for cotinine met acceptance criteria (average response no greater than or equal to 30% of the average response of the lowest acceptable standard) in all runs.

The QC samples met all acceptance criteria (average concentration within 15% of the nominal concentration and RSD less than or equal to 15%) except for nicotine in analysis sets 3, 4, and 7. The results of the nicotine QC samples are presented in Table 5. The results of the cotinine QC samples are presented in Table 6.

Table 5 – Nicotine QC Sample Results

QC Level	Analysis Date	Analysis Set	Nominal Concentration (ng/mL)	Average Determined Concentration (ng/mL)	RSD	Average RE
High	10/7/08	Set 1	1.48E+02	1.52E+02	2.4	2.7
	10/8/08	Set 2	1.48E+02	1.44E+02	2.3	-2.7
	10/8/08	Set 3	1.48E+02	1.37E+02	4.9	-7.4
	10/12/08	Set 4	1.48E+02	1.44E+02	3.6	-2.7
	11/5/08	Set 5	1.48E+02	1.48E+02	1.4	0.0
	11/5/08	Set 6	1.48E+02	1.47E+02	2.7	-0.7
	11/6/08	Set 7	1.48E+02	1.35E+02	3.9	-8.8
	11/12/08	Set 8	1.48E+02	1.53E+02	1.9	3.4
	12/5/08	Set 9	1.52E+02	1.35E+02	3.5	-11.2
	12/8/08	Set 10	1.52E+02	1.34E+02	2.7	-11.8
Mid	10/7/08	Set 1	2.97E+01	2.96E+01	2.9	-0.3
	10/8/08	Set 2	2.97E+01	2.91E+01	2.4	-2.0
	10/8/08	Set 3	2.97E+01	2.91E+01	4.5	-2.0
	10/12/08	Set 4	2.97E+01	2.83E+01	4.2	-4.7
	11/5/08	Set 5	2.97E+01	2.83E+01	3.4	-4.7
	11/5/08	Set 6	2.97E+01	2.77E+01	5.6	-6.7
	11/6/08	Set 7	2.97E+01	2.41E+01	5.7	-18.9
	11/12/08	Set 8	2.97E+01	2.91E+01	4.2	-2.0
	12/5/08	Set 9	3.05E+01	2.92E+01	2.9	-4.3
	12/8/08	Set 10	3.05E+01	2.76E+01	2.9	-9.5
Low	10/7/08	Set 1	2.97E+00	3.10E+00	7.9	4.4
	10/8/08	Set 2	2.97E+00	3.40E+00	2.7	14.5
	10/8/08	Set 3	2.97E+00	3.56E+00	16.8	19.9
	10/12/08	Set 4	2.97E+00	3.57E+00	1.0	20.2
	11/5/08	Set 5	2.97E+00	3.01E+00	5.6	1.3
	11/5/08	Set 6	2.97E+00	3.04E+00	6.4	2.4
	11/6/08	Set 7	2.97E+00	1.02E+00	63.0	-65.7
	11/12/08	Set 8	2.97E+00	2.82E+00	12.5	-5.1
	12/5/08	Set 9	3.05E+00	2.77E+00	4.5	-9.2
	12/8/08	Set 10	3.05E+00	2.86E+00	2.1	-6.2

Table 6 – Cotinine QC Sample Results

QC Level	Analysis Date	Analysis Set	Nominal Concentration (ng/mL)	Average Determined Concentration (ng/mL)	RSD	Average RE
High	10/7/08	Set 1	1.51E+03	1.57E+03	4.9	4.0
	10/8/08	Set 2	1.51E+03	1.40E+03	1.6	-7.3
	10/8/08	Set 3	1.51E+03	1.44E+03	4.5	-4.6
	10/12/08	Set 4	1.51E+03	1.46E+03	2.7	-3.3
	11/5/08	Set 5	NA	NA	NA	NA
	11/5/08	Set 6	1.51E+03	1.42E+03	2.0	-6.0
	11/6/08	Set 7	1.51E+03	1.49E+03	8.9	-1.3
	11/12/08	Set 8	NA	NA	NA	NA
	12/5/08	Set 9	1.49E+03	1.29E+03	5.4	-13.4
	12/8/08	Set 10	1.49E+03	1.28E+03	5.1	-14.1
Mid	10/7/08	Set 1	3.03E+02	3.03E+02	2.8	0.0
	10/8/08	Set 2	3.03E+02	2.77E+02	2.9	-8.6
	10/8/08	Set 3	3.03E+02	3.00E+02	8.8	-1.0
	10/12/08	Set 4	3.03E+02	3.00E+02	4.2	-1.0
	11/5/08	Set 5	NA	NA	NA	NA
	11/5/08	Set 6	3.03E+02	2.86E+02	3.9	-5.6
	11/6/08	Set 7	3.03E+02	2.91E+02	8.0	-4.0
	11/12/08	Set 8	NA	NA	NA	NA
	12/5/08	Set 9	2.99E+02	2.73E+02	2.8	-8.7
	12/8/08	Set 10	2.99E+02	2.57E+02	6.1	-14.0
Low	10/7/08	Set 1	3.03E+01	3.10E+01	3.4	2.3
	10/8/08	Set 2	3.03E+01	2.94E+01	3.5	-3.0
	10/8/08	Set 3	3.03E+01	3.08E+01	12.9	1.7
	10/12/08	Set 4	3.03E+01	3.03E+01	4.7	0.0
	11/5/08	Set 5	NA	NA	NA	NA
	11/5/08	Set 6	3.03E+01	2.90E+01	5.5	-4.3
	11/6/08	Set 7	3.03E+01	2.92E+01	12.6	-3.6
	11/12/08	Set 8	NA	NA	NA	NA
	12/5/08	Set 9	2.99E+01	2.62E+01	4.1	-12.4
	12/8/08	Set 10	2.99E+01	2.60E+01	4.0	-13.0

NA = Nicotine only repeat set.

Representative overlaid full and reduced scale chromatograms of nicotine high and low plasma calibration standards, a plasma blank with IS, and a plasma blank are shown in Figure 1 and Figure 2. Representative overlaid full and reduced scale chromatograms of cotinine high and low plasma calibration standards, a plasma blank with IS, and a plasma blank are shown in Figure 3 and Figure 4. Full scale representative chromatograms for each IS are shown in Figure 5 and Figure 6.

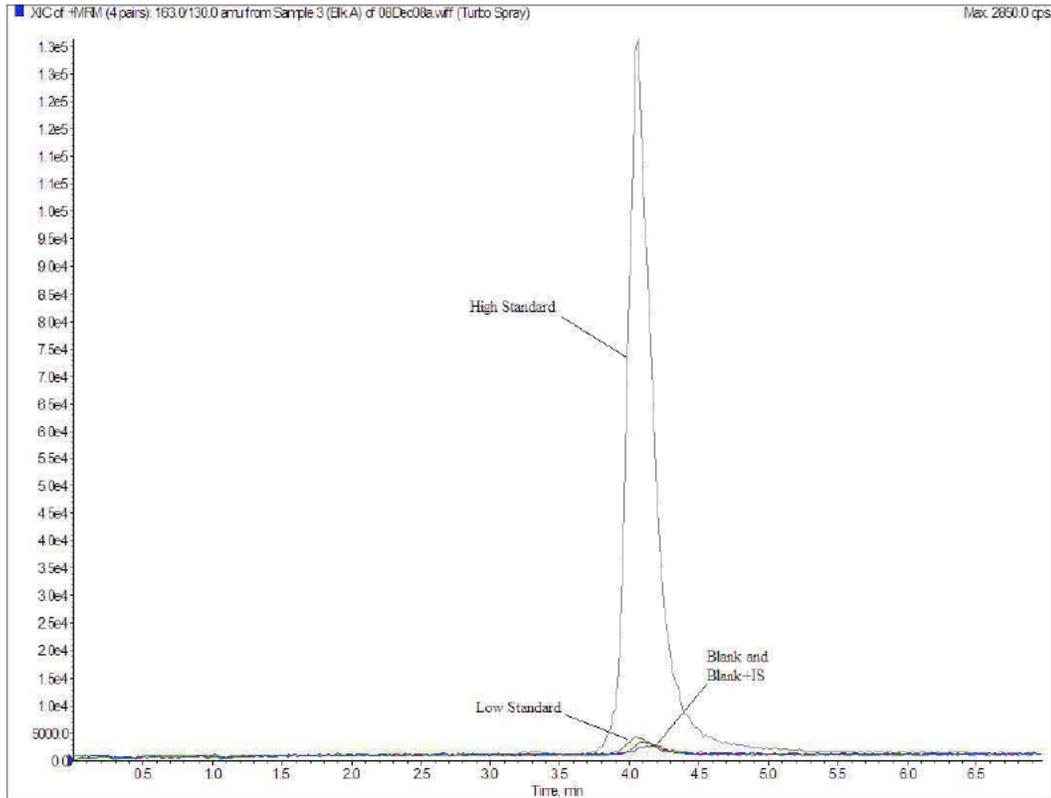


Figure 1 – Representative Overlaid Chromatograms from Nicotine High and Low Plasma Calibration Standards, a Plasma Blank with IS, and a Plasma Blank – Full Scale

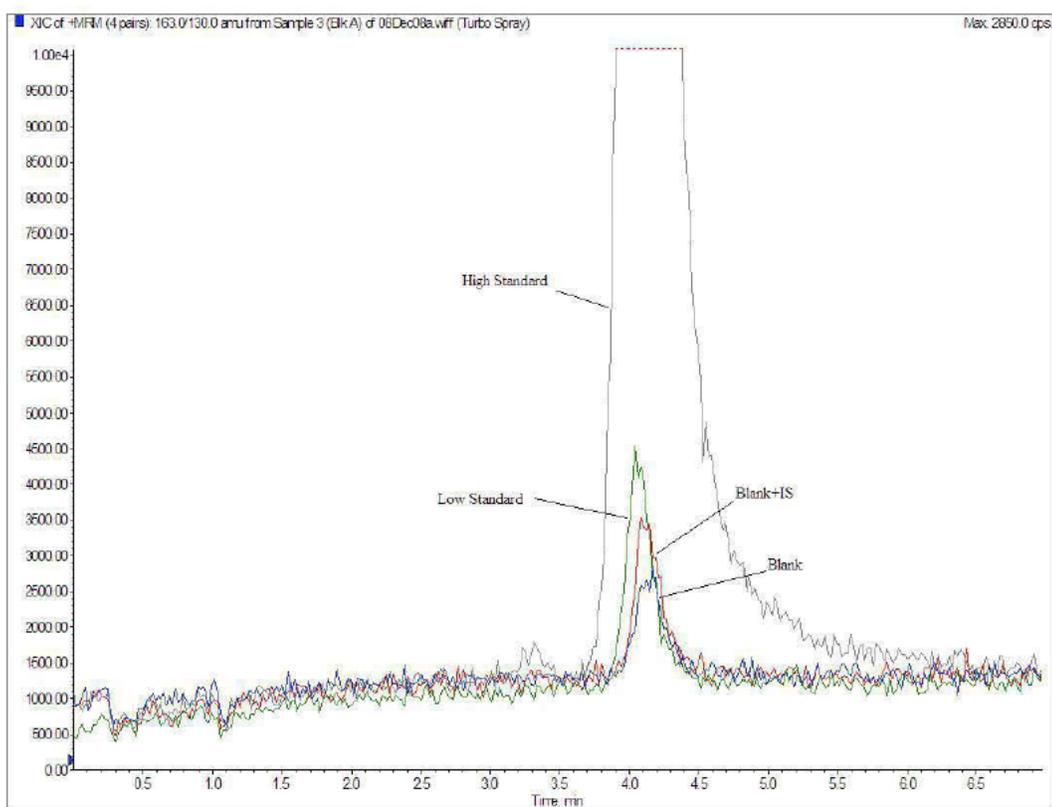


Figure 2 – Representative Overlaid Chromatograms from Nicotine High and Low Plasma Calibration Standards, a Plasma Blank with IS, and a Plasma Blank – Reduced Scale

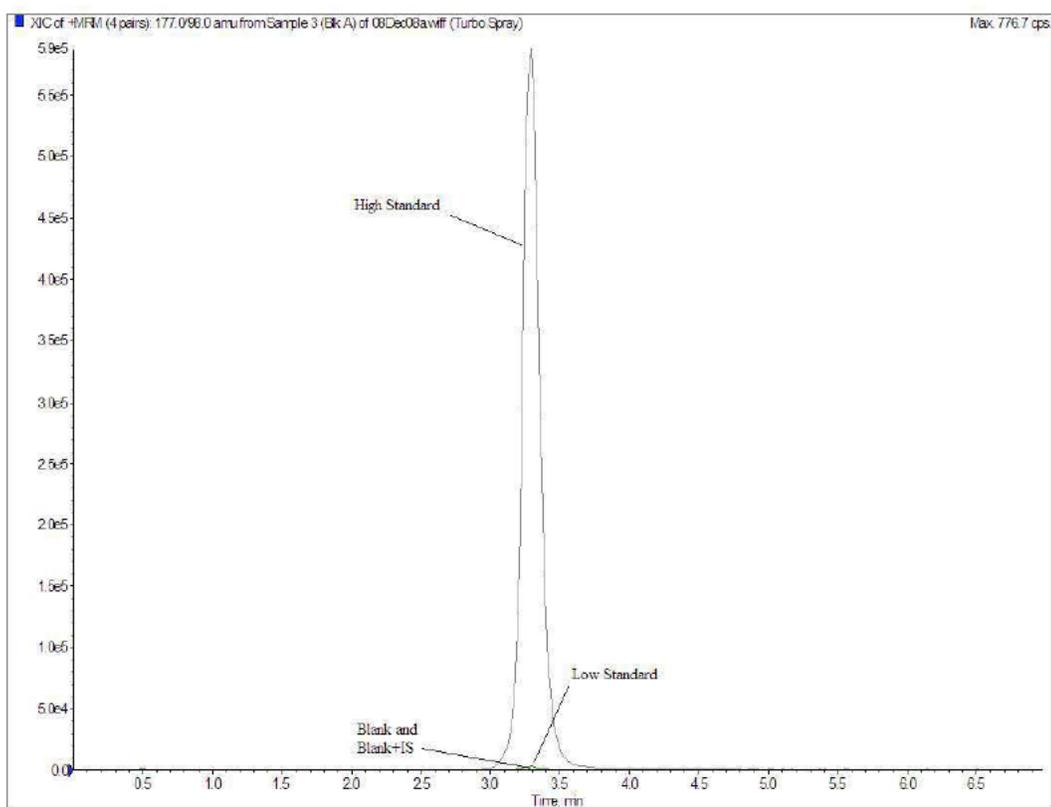


Figure 3 – Representative Overlaid Chromatograms from Cotinine High and Low Plasma Calibration Standards, a Plasma Blank with IS, and a Plasma Blank – Full Scale

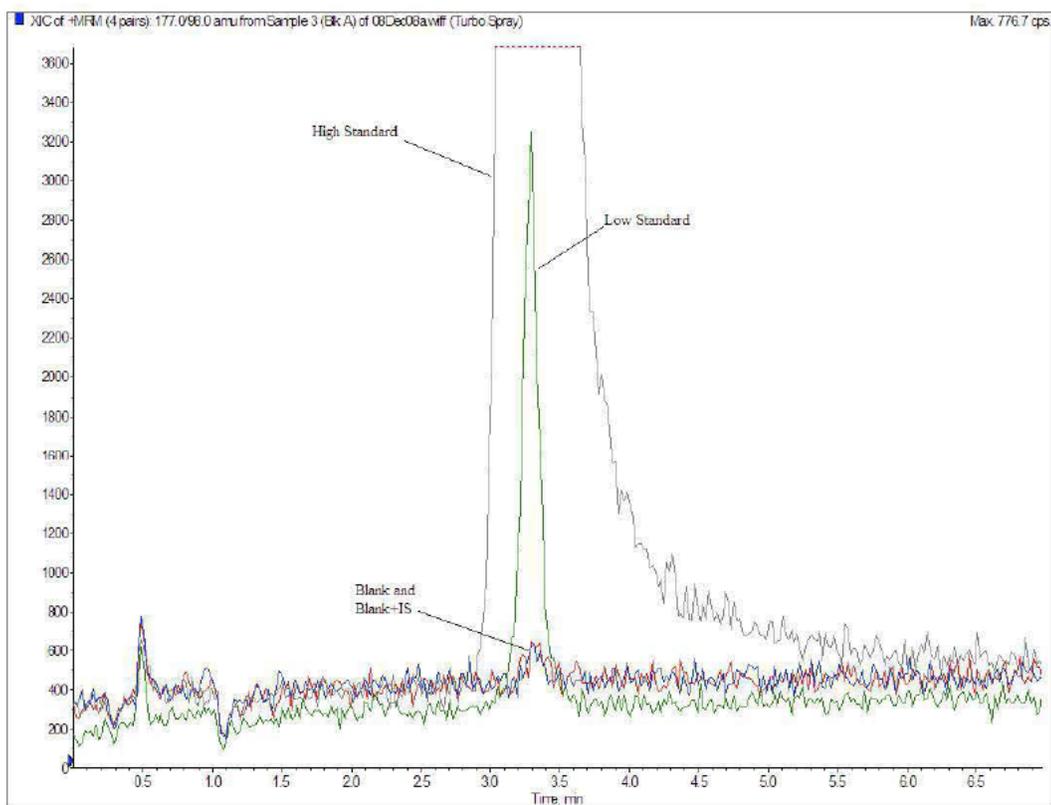


Figure 4 – Representative Overlaid Chromatograms from Cotinine High and Low Plasma Calibration Standards, a Plasma Blank with IS, and a Plasma Blank – Reduced Scale

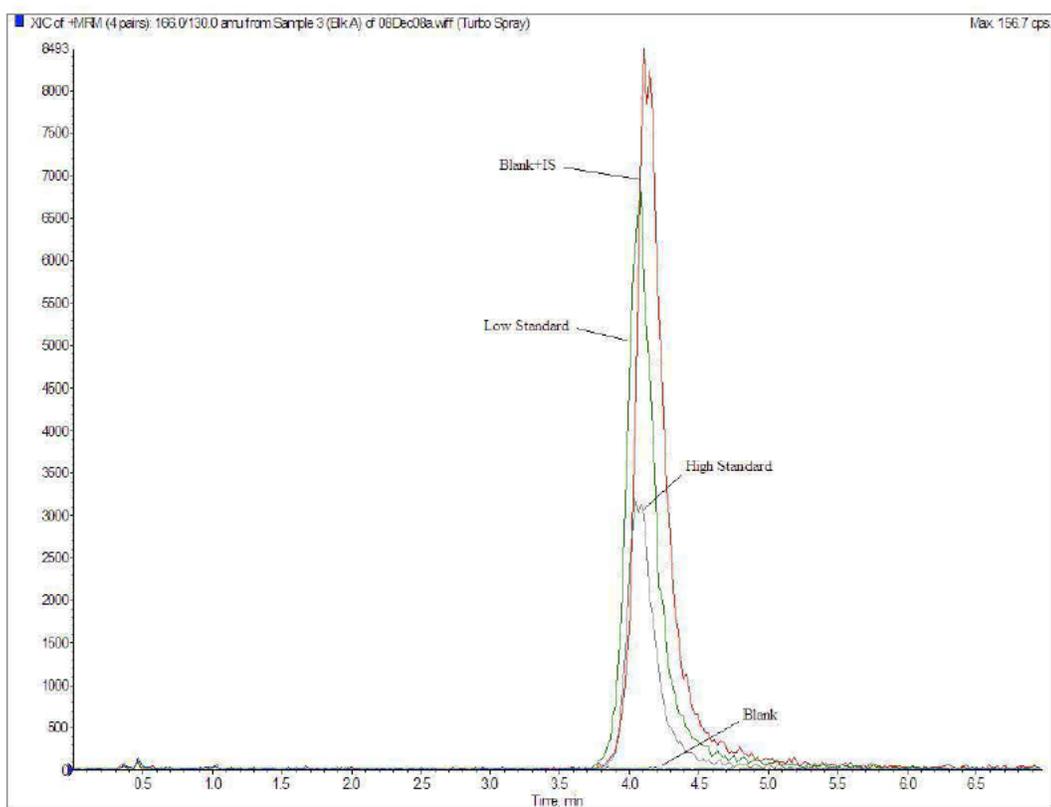


Figure 5 – Representative Overlaid IS Chromatograms from Nicotine High and Low Standards, a Plasma Blank with IS, and a Plasma Blank – Full Scale

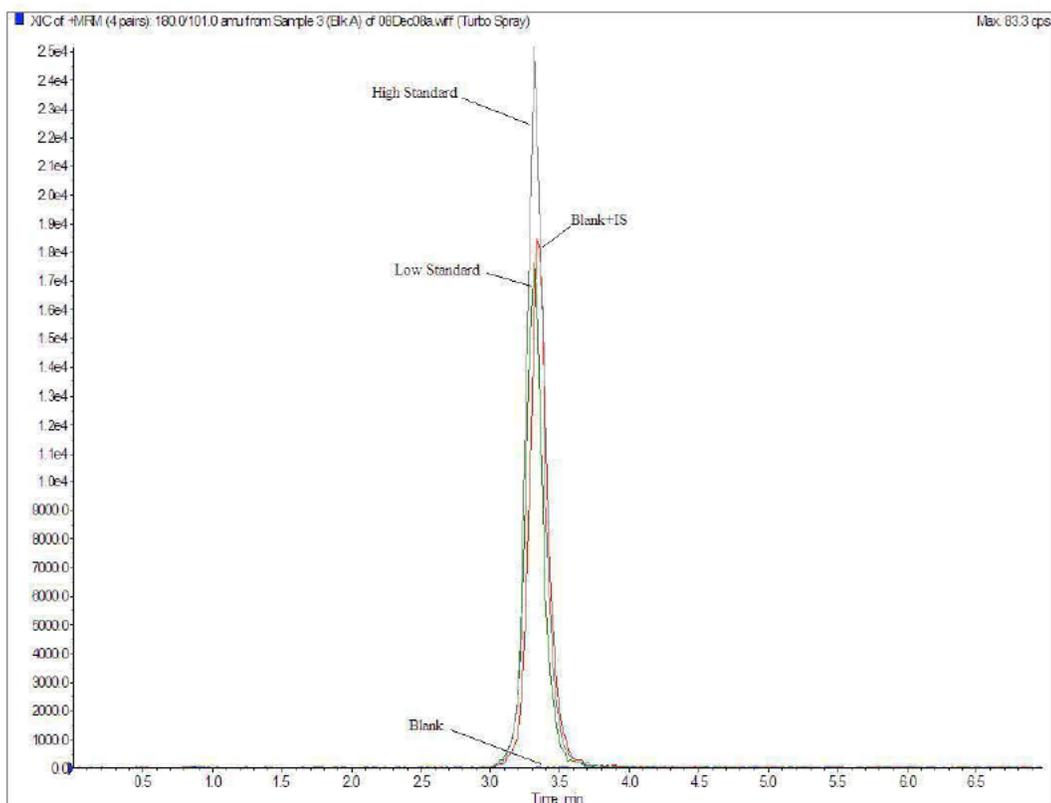


Figure 6 – Representative Overlaid IS Chromatograms from Cotinine High and Low Standards, a Plasma Blank with IS, and a Plasma Blank – Full Scale

The results from the analyses for nicotine and cotinine are shown in Table 7, Table 8, Table 9, Table 10, Table 11, Table 12, Table 13, and Table 14. Any samples with calculated concentrations below the limit of quantitation are listed as BLOQ.

Table 7 – Control Dose Groups CM and CF (0 mg/kg/day) Results

Animal ID	Sex	Sample Interval (Week)	Nicotine Determined Concentration (ng/mL)	Cotinine Determined Concentration (ng/mL)
121	Male	2	BLOQ	BLOQ
122		2	BLOQ	BLOQ
123		2	BLOQ	BLOQ
124		2	BLOQ	BLOQ
125		2	BLOQ	BLOQ
171	Female	2	BLOQ	BLOQ
172		2	BLOQ	BLOQ
173		2	BLOQ	BLOQ
174		2	BLOQ	BLOQ
175		2	BLOQ	BLOQ
121	Male	4	BLOQ	BLOQ
122		4	BLOQ	BLOQ
123		4	BLOQ	BLOQ
124		4	BLOQ	BLOQ
125		4	BLOQ	BLOQ
171	Female	4	BLOQ	BLOQ
172		4	BLOQ	BLOQ
173		4	BLOQ	BLOQ
174		4	BLOQ	BLOQ
175		4	BLOQ	BLOQ
121	Male	8	BLOQ	BLOQ
122		8	BLOQ	BLOQ
123		8	BLOQ	BLOQ
124		8	BLOQ	BLOQ
125		8	BLOQ	BLOQ
171	Female	8	BLOQ*	BLOQ
172		8	BLOQ	BLOQ
173		8	BLOQ	BLOQ
174		8	BLOQ*	BLOQ
175		8	BLOQ*	BLOQ
121	Male	13	BLOQ	BLOQ
122		13	BLOQ	BLOQ
123		13	BLOQ	BLOQ
124		13	BLOQ	BLOQ
125		13	BLOQ	BLOQ
171	Female	13	BLOQ	BLOQ
172		13	BLOQ	BLOQ
173		13	BLOQ	BLOQ
174		13	BLOQ	BLOQ
175		13	BLOQ	BLOQ

* Sample result BLOQ for nicotine with less than full volume, used all available sample.

Table 8 – NT6M and NT6F (6 mg/kg/day) Results

Animal ID	Sex	Sample Interval (Week)	Nicotine Determined Concentration (ng/mL)	Cotinine Determined Concentration (ng/mL)
221	Male	2	8.16E+01	5.02E+02
222		2	5.79E+01	5.42E+02
223		2	9.96E+01	4.79E+02
224		2	7.01E+01	5.24E+02
225		2	5.93E+01	5.46E+02
271	Female	2	8.32E+01	9.22E+02
272		2	7.90E+01	8.18E+02
273		2	1.10E+02	7.45E+02
274		2	1.15E+02	8.05E+02
275		2	1.09E+02	7.45E+02
221	Male	4	9.47E+01	7.48E+02
222		4	6.88E+01	7.74E+02
223		4	8.08E+01	7.09E+02
224		4	5.91E+01	7.54E+02
225		4	1.13E+02	9.53E+02
271	Female	4	1.41E+02	7.06E+02
272		4	9.51E+01	8.71E+02
273		4	8.38E+01	6.91E+02
274		4	9.59E+01	7.80E+02
275		4	9.18E+01	8.43E+02
221	Male	8	7.87E+01	6.64E+02
222		8	6.23E+01	5.57E+02
223		8	1.19E+02	6.62E+02
224		8	7.16E+01	6.92E+02
225		8	8.61E+01	7.66E+02
271	Female	8	9.91E+01	9.18E+02
272		8	1.25E+02	9.95E+02
273		8	1.17E+02	8.69E+02
274		8	1.31E+02	9.34E+02
275		8	1.23E+02	9.61E+02
221	Male	13	8.64E+01	6.29E+02
222		13	7.02E+01	6.65E+02
223		13	1.28E+02	8.02E+02
224		13	6.71E+01	8.39E+02
225		13	1.14E+02	7.72E+02
271	Female	13	1.87E+02	1.25E+03
272		13	3.06E+01	6.69E+02
273		13	1.39E+02	9.28E+02
274		13	1.17E+02	1.15E+03
275		13	1.04E+02	7.70E+02

Table 9 – B0.3M and B0.3F (0.3 mg/kg/day) Results

Animal ID	Sex	Sample Interval (Week)	Nicotine Determined Concentration (ng/mL)	Cotinine Determined Concentration (ng/mL)
321	Male	2	3.36E+00	3.85E+01
322		2	3.52E+00	4.68E+01
323		2	2.34E+00	2.34E+01
324		2	2.69E+00	2.54E+01
325		2	3.23E+00	3.75E+01
371	Female	2	5.53E+00	3.97E+01
372		2	3.17E+00	3.22E+01
373		2	4.22E+00	4.50E+01
374		2	1.37E+00	3.29E+01
375		2	3.12E+00	4.18E+01
321	Male	4	1.07E+01	4.58E+01
322		4	4.59E+00	4.37E+01
323		4	4.28E+00	3.83E+01
324		4	2.48E+00	5.54E+01
325		4	3.17E+00	5.98E+01
371	Female	4	3.30E+00	4.77E+01
372		4	3.53E+00	4.32E+01
373		4	3.60E+00	5.64E+01
374		4	3.37E+00	5.34E+01
375		4	2.30E+00	5.59E+01
321	Male	8	9.81E+00	4.38E+01
322		8	3.88E+00	5.71E+01
323		8	4.71E+00	3.82E+01
324		8	3.96E+00	4.17E+01
325		8	4.01E+00	3.79E+01
371	Female	8	BLOQ*	3.99E+01
372		8	4.10E+00	5.63E+01
373		8	4.03E+00	5.69E+01
374		8	4.48E+00	6.00E+01
375		8	BLOQ*	3.77E+01
321	Male	13	1.26E+01	5.25E+01
322		13	5.61E+00	6.13E+01
323		13	4.34E+00	4.48E+01
324		13	4.75E+00	5.29E+01
325		13	4.44E+00	6.47E+01
371	Female	13	6.48E+00	6.61E+01
372		13	2.82E+00	4.87E+01
373		13	4.77E+00	4.75E+01
374		13	2.09E+00	4.51E+01
375		13	1.33E+00	5.02E+01

* Sample result BLOQ for nicotine with less than full volume, used all available sample.

Table 10 – B3M and B3F (3 mg/kg/day) Results

Animal ID	Sex	Sample Interval (Week)	Nicotine Determined Concentration (ng/mL)	Cotinine Determined Concentration (ng/mL)
421	Male	2	3.33E+01	2.22E+02
422		2	3.33E+01	3.44E+02
423		2	4.60E+01	3.65E+02
424		2	5.33E+01	3.86E+02
425		2	3.18E+01	3.08E+02
471	Female	2	6.41E+01	5.01E+02
472		2	4.77E+01	3.61E+02
473		2	3.22E+01	2.65E+02
474		2	5.09E+01	2.48E+02
475		2	6.15E+01	4.93E+02
421	Male	4	5.21E+01	3.56E+02
422		4	6.47E+01	4.07E+02
423		4	6.57E+01	5.77E+02
424		4	3.35E+01	5.00E+02
425		4	5.73E+01	4.70E+02
471	Female	4	5.10E+01	5.73E+02
472		4	6.81E+01	4.13E+02
473		4	1.45E+01	2.25E+02
474		4	3.52E+01	3.14E+02
475		4	5.80E+01	4.90E+02
421	Male	8	5.73E+01	4.25E+02
422		8	5.78E+01	3.85E+02
423		8	4.91E+01	5.22E+02
424		8	3.90E+01	4.24E+02
425		8	5.08E+01	4.12E+02
471	Female	8	6.85E+01	5.23E+02
472		8	7.84E+01	5.51E+02
473		8	1.08E+01	1.57E+02
474		8	5.76E+01	3.71E+02
475		8	6.38E+01	5.42E+02
421	Male	13	7.05E+01	5.51E+02
422		13	1.04E+02	5.21E+02
423		13	4.60E+01	6.23E+02
424		13	4.25E+01	5.03E+02
425		13	5.28E+01	6.70E+02
471	Female	13	1.48E+01	4.08E+02
472		13	9.72E+01	5.89E+02
473		13	4.59E+01	3.53E+02
474		13	5.67E+01	2.76E+02
475		13	6.86E+01	5.80E+02

Table 11 – B6M and B6F (6 mg/kg/day) Results

Animal ID	Sex	Sample Interval (Week)	Nicotine Determined Concentration (ng/mL)	Cotinine Determined Concentration (ng/mL)
521	Male	2	1.04E+02	6.99E+02
522		2	4.97E+01	5.56E+02
523		2	6.47E+01	4.71E+02
524		2	4.20E+01	5.42E+02
525		2	8.90E+01	6.41E+02
571	Female	2	6.60E+01	6.03E+02
572		2	1.22E+02	8.02E+02
573		2	8.30E+01	7.87E+02
574		2	8.05E+01	8.16E+02
575		2	7.99E+01	1.16E+03
521	Male	4	1.56E+02	9.68E+02
522		4	9.85E+01	9.08E+02
523		4	9.21E+01	7.89E+02
524		4	6.08E+01	8.96E+02
525		4	8.77E+01	1.00E+03
571	Female	4	5.12E+01	7.96E+02
572		4	7.00E+01	8.11E+02
573		4	9.02E+01	9.52E+02
574		4	1.17E+02	1.14E+03
575		4	1.53E+02	1.12E+03
521	Male	8	1.70E+02	1.06E+03
522		8	1.07E+02	9.62E+02
523		8	8.54E+01	8.00E+02
524		8	6.01E+01	7.54E+02
525		8	1.25E+02	8.77E+02
571	Female	8	6.11E+00	5.31E+01
572		8	7.37E+01	6.48E+02
573		8	1.49E+02	1.11E+03
574		8	1.20E+02	1.08E+03
575		8	1.61E+02	1.34E+03
521	Male	13	1.41E+02	1.12E+03
522		13	1.68E+02	1.23E+03
523		13	1.11E+02	1.02E+03
524		13	8.77E+01	9.70E+02
525		13	1.63E+02	1.07E+03
571	Female	13	9.43E+01	9.44E+02
572		13	1.06E+02	1.18E+03
573		13	1.87E+02	1.11E+03
574		13	9.35E+01	1.29E+03
575		13	1.43E+02	1.23E+03

Table 12 – E0.3M and E0.3F (0.3 mg/kg/day) Results

Animal ID	Sex	Sample Interval (Week)	Nicotine Determined Concentration (ng/mL)	Cotinine Determined Concentration (ng/mL)
621	Male	2	4.02E+00	3.19E+01
622		2	1.43E+00	2.82E+01
623		2	3.31E+00	3.63E+01
624		2	2.63E+00	2.92E+01
625		2	3.98E+00	3.52E+01
671	Female	2	8.24E+00	3.85E+01
672		2	2.69E+00	3.09E+01
673		2	1.97E+00	2.90E+01
674		2	4.22E+00	4.12E+01
675		2	2.89E+00	5.12E+01
621	Male	4	4.82E+00	4.03E+01
622		4	4.65E+00	3.86E+01
623		4	4.64E+00	4.63E+01
624		4	2.42E+00	4.27E+01
625		4	4.65E+00	5.52E+01
671	Female	4	3.46E+00	4.17E+01
672		4	5.22E+00	5.15E+01
673		4	2.71E+00	3.42E+01
674		4	4.43E+00	5.57E+01
675		4	2.52E+00	5.65E+01
621	Male	8	5.76E+00	4.10E+01
622		8	2.75E+00	4.59E+01
623		8	4.50E+00	3.61E+01
624		8	4.41E+00	4.60E+01
625		8	4.67E+00	5.26E+01
671	Female	8	1.16E+02	1.30E+03
672		8	4.92E+00	7.17E+01
673		8	BLOQ*	5.90E+01
674		8	BLOQ*	6.69E+01
675		8	BLOQ*	6.83E+01
621	Male	13	5.81E+00	4.68E+01
622		13	3.69E+00	5.40E+01
623		13	4.56E+00	4.62E+01
624		13	4.17E+00	5.67E+01
625		13	4.53E+00	5.54E+01
671	Female	13	2.27E+00	3.01E+01
672		13	1.64E+00	4.11E+01
673		13	BLOQ	3.11E+01
674		13	4.32E+00	5.10E+01
675		13	4.19E+00	6.39E+01

* Sample result BLOQ for nicotine with less than full volume, used all available sample.

Table 13 – E3M and E3F (3 mg/kg/day) Results

Animal ID	Sex	Sample Interval (Week)	Nicotine Determined Concentration (ng/mL)	Cotinine Determined Concentration (ng/mL)
721	Male	2	4.22E+01	3.31E+02
722		2	2.92E+01	2.84E+02
723		2	4.19E+01	3.14E+02
724		2	3.25E+01	3.32E+02
725		2	5.23E+01	3.20E+02
771	Female	2	3.20E+01	2.82E+02
772		2	5.71E+01	4.49E+02
773		2	5.81E+01	6.68E+02
774		2	5.66E+01	4.61E+02
775		2	1.52E+01	2.52E+02
721	Male	4	7.16E+01	5.10E+02
722		4	3.95E+01	4.87E+02
723		4	6.43E+01	4.44E+02
724		4	4.41E+01	3.59E+02
725		4	5.75E+01	4.19E+02
771	Female	4	5.69E+01	4.06E+02
772		4	6.36E+01	5.32E+02
773		4	2.73E+01	4.85E+02
774		4	6.71E+01	5.90E+02
775		4	3.91E+01	4.52E+02
721	Male	8	4.68E+01	4.11E+02
722		8	4.71E+01	4.04E+02
723		8	6.83E+01	5.54E+02
724		8	4.83E+01	4.15E+02
725		8	7.72E+01	3.31E+02
771	Female	8	4.90E+01	4.93E+02
772		8	8.60E+01	7.96E+02
773		8	3.48E+01	7.15E+02
774		8	9.92E+01	7.69E+02
775		8	5.82E+01	4.70E+02
721	Male	13	7.15E+01	4.70E+02
722		13	5.99E+01	5.60E+02
723		13	2.88E+01	5.28E+02
724		13	1.18E+01	4.24E+02
725		13	7.51E+01	4.41E+02
771	Female	13	1.18E+02	5.57E+02
772		13	3.37E+01	5.09E+02
773		13	9.51E+01	7.96E+02
774		13	1.10E+02	8.04E+02
775		13	8.71E+01	5.21E+02

Table 14 – E6M and E6F (6 mg/kg/day) Results

Animal ID	Sex	Sample Interval (Week)	Nicotine Determined Concentration (ng/mL)	Cotinine Determined Concentration (ng/mL)
821	Male	2	8.78E+01	6.03E+02
822		2	5.94E+01	6.06E+02
823		2	4.82E+01	4.58E+02
824		2	8.68E+01	6.67E+02
825		2	1.02E+02	7.45E+02
871	Female	2	1.15E+02	8.39E+02
872		2	8.35E+01	9.05E+02
873		2	8.73E+01	7.19E+02
874		2	1.34E+02	1.03E+03
875		2	1.44E+02	9.90E+02
821	Male	4	1.00E+02	7.80E+02
822		4	8.66E+01	7.37E+02
823		4	1.07E+02	7.20E+02
824		4	9.84E+01	6.72E+02
825		4	1.38E+02	8.85E+02
871	Female	4	7.43E+01	5.36E+02
872		4	1.04E+02	9.70E+02
873		4	8.70E+01	6.44E+02
874		4	4.50E+01	6.03E+02
875		4	7.88E+01	1.00E+03
821	Male	8	7.07E+01	6.80E+02
822		8	8.13E+01	8.88E+02
823		8	8.18E+01	6.37E+02
824		8	4.41E+01	6.29E+02
825		8	1.42E+02	8.03E+02
871	Female	8	9.24E+01	6.69E+02
872		8	1.28E+02	1.17E+03
873		8	7.75E+01	1.10E+03
874		8	2.49E+01	1.54E+03
875		8	5.61E+01	1.55E+03
821	Male	13	1.10E+02	8.52E+02
822		13	6.43E+01	9.66E+02
823		13	9.24E+01	7.97E+02
824		13	1.04E+02	9.76E+02
825		13	1.11E+02	8.13E+02
871	Female	13	1.20E+02	9.82E+02
872		13	6.26E+01	8.88E+02
873		13	3.49E+01	8.40E+02
874		13	1.21E+02	1.43E+03
875		13	1.32E+02	1.81E+03

D. INCURRED SAMPLE REANALYSIS (ISR)

Thirty-two Week 2 interval samples or 10 percent (320 samples total for the study) were used for the ISR. The acceptance criteria required that individual RE of at least 67% (2/3) of the analyzed ISR samples were within 20% of the determined average value of the results included. The results of the ISR for nicotine are listed in Table 15 and indicate that 96.9% of the samples met all acceptance criteria. The results of the ISR for cotinine are listed in Table 16 and indicate that 100% of the samples met all acceptance criteria.

Table 15 – Nicotine ISR Results

Sample ID	Sex	Sample Interval (Week)	Dose Level (mg/kg)	Day 1 (Initial) Concentration (ng/mL)	Day 2 (Repeat) Concentration (ng/mL)	Average Concentration (ng/mL)	Day 1 RE	Day 2 RE
221	M	2	6	8.16E+01	6.74E+01	7.45E+01	9.5	-9.5
222	M	2	6	5.79E+01	4.97E+01	5.38E+01	7.6	-7.6
223	M	2	6	9.96E+01	9.95E+01	9.96E+01	0.1	-0.1
224	M	2	6	7.01E+01	6.39E+01	6.70E+01	4.6	-4.6
225	M	2	6	5.93E+01	5.01E+01	5.47E+01	8.4	-8.4
271	F	2	6	8.32E+01	8.55E+01	8.44E+01	-1.4	1.4
273	F	2	6	1.10E+02	9.91E+01	1.05E+02	5.2	-5.2
274	F	2	6	1.15E+02	1.04E+02	1.10E+02	5.0	-5.0
275	F	2	6	1.09E+02	1.08E+02	1.09E+02	0.5	-0.5
421	M	2	3	3.33E+01	3.48E+01	3.41E+01	-2.2	2.2
422	M	2	3	3.33E+01	3.70E+01	3.52E+01	-5.3	5.3
423	M	2	3	4.60E+01	4.74E+01	4.67E+01	-1.5	1.5
472	F	2	3	4.77E+01	5.03E+01	4.90E+01	-2.7	2.7
473	F	2	3	3.22E+01	3.54E+01	3.38E+01	-4.7	4.7
474	F	2	3	5.09E+01	5.26E+01	5.18E+01	-1.6	1.6
522	M	2	6	4.97E+01	5.25E+01	5.11E+01	-2.7	2.7
523	M	2	6	6.47E+01	6.87E+01	6.67E+01	-3.0	3.0
525	M	2	6	8.90E+01	8.63E+01	8.77E+01	1.5	-1.5
571	F	2	6	6.60E+01	6.17E+01	6.39E+01	3.4	-3.4
723	M	2	3	4.19E+01	4.24E+01	4.22E+01	-0.6	0.6
724	M	2	3	3.25E+01	2.94E+01	3.10E+01	5.0	-5.0
771	F	2	3	3.20E+01	3.93E+01	3.57E+01	-10.2	10.2
772	F	2	3	5.71E+01	5.23E+01	5.47E+01	4.4	-4.4
774	F	2	3	5.66E+01	5.66E+01	5.66E+01	0.0	0.0
775	F	2	3	1.52E+01	4.23E+01	2.88E+01	-47.1	47.1
821	M	2	6	8.78E+01	8.88E+01	8.83E+01	-0.6	0.6
822	M	2	6	5.94E+01	6.36E+01	6.15E+01	-3.4	3.4
823	M	2	6	4.82E+01	5.50E+01	5.16E+01	-6.6	6.6
824	M	2	6	8.68E+01	9.21E+01	8.95E+01	-3.0	3.0
873	F	2	6	8.73E+01	9.98E+01	9.36E+01	-6.7	6.7
874	F	2	6	1.34E+02	1.39E+02	1.37E+02	-1.8	1.8
875	F	2	6	1.44E+02	1.50E+02	1.47E+02	-2.0	2.0

Table 16 – Cotinine ISR Results

Sample ID	Sex	Sample Interval (Week)	Dose Level (mg/kg)	Day 1 (Initial) Concentration (ng/mL)	Day 2 (Repeat) Concentration (ng/mL)	Average Concentration (ng/mL)	Day 1 RE	Day 2 RE
221	M	2	6	5.02E+02	5.81E+02	5.42E+02	-7.3	7.3
222	M	2	6	5.42E+02	6.22E+02	5.82E+02	-6.9	6.9
223	M	2	6	4.79E+02	6.27E+02	5.53E+02	-13.4	13.4
224	M	2	6	5.24E+02	5.66E+02	5.45E+02	-3.9	3.9
225	M	2	6	5.46E+02	6.20E+02	5.83E+02	-6.3	6.3
271	F	2	6	9.22E+02	1.08E+03	1.00E+03	-7.9	7.9
273	F	2	6	7.45E+02	9.42E+02	8.44E+02	-11.7	11.7
274	F	2	6	8.05E+02	9.03E+02	8.54E+02	-5.7	5.7
275	F	2	6	7.45E+02	8.38E+02	7.92E+02	-5.9	5.9
421	M	2	3	2.22E+02	2.61E+02	2.42E+02	-8.1	8.1
422	M	2	3	3.44E+02	4.11E+02	3.78E+02	-8.9	8.9
423	M	2	3	3.65E+02	4.60E+02	4.13E+02	-11.5	11.5
472	F	2	3	3.61E+02	4.47E+02	4.04E+02	-10.6	10.6
473	F	2	3	2.65E+02	3.30E+02	2.98E+02	-10.9	10.9
474	F	2	3	2.48E+02	2.62E+02	2.55E+02	-2.7	2.7
522	M	2	6	5.56E+02	7.12E+02	6.34E+02	-12.3	12.3
523	M	2	6	4.71E+02	6.37E+02	5.54E+02	-15.0	15.0
525	M	2	6	6.41E+02	6.92E+02	6.67E+02	-3.8	3.8
571	F	2	6	6.03E+02	6.96E+02	6.50E+02	-7.2	7.2
723	M	2	3	3.14E+02	3.93E+02	3.54E+02	-11.2	11.2
724	M	2	3	3.32E+02	3.57E+02	3.45E+02	-3.6	3.6
771	F	2	3	2.82E+02	3.15E+02	2.99E+02	-5.5	5.5
772	F	2	3	4.49E+02	4.92E+02	4.71E+02	-4.6	4.6
774	F	2	3	4.61E+02	5.91E+02	5.26E+02	-12.4	12.4
775	F	2	3	2.52E+02	2.91E+02	2.72E+02	-7.2	7.2
821	M	2	6	6.03E+02	6.43E+02	6.23E+02	-3.2	3.2
822	M	2	6	6.06E+02	8.27E+02	7.17E+02	-15.4	15.4
823	M	2	6	4.58E+02	5.64E+02	5.11E+02	-10.4	10.4
824	M	2	6	6.67E+02	8.40E+02	7.54E+02	-11.5	11.5
873	F	2	6	7.19E+02	9.48E+02	8.34E+02	-13.7	13.7
874	F	2	6	1.03E+03	1.21E+03	1.12E+03	-8.0	8.0
875	F	2	6	9.90E+02	1.25E+03	1.12E+03	-11.6	11.6

V. KINETICS

A. INTRODUCTION

A kinetic analysis was performed using an experimentally-determined T_{max} of midnight (12:00 AM) and the corresponding C_{max} values for nicotine and cotinine that were achieved in Wistar Han rats exposed to various dosed feed formulations of nicotine over a 13-week exposure period.

B. METHODS

Only kinetic relevant experimental design specifications are provided in this section. For further description, refer to the overall report.

The test system used was the male and female Wistar Han rat. For toxicokinetic (TK) evaluation, animals were exposed by dosed feed to nicotine tartrate, tobacco blend, or tobacco extract for at least 90 consecutive days at nicotine target doses of 6 mg/kg/day for nicotine tartrate; 0.3, 3, or 6 mg/kg/day for tobacco blend; and 0.3, 3, or 6 mg/kg/day tobacco extract. The treatment groups are designated as NT_x, B_x, and E_x, where “x” refers to the target exposure level and the letters refer to nicotine tartrate, blend, and extract, respectively.

Blood samples were collected from five rats/sex/group on Weeks 2, 4, 8, and 13 at a target time of 12:00 AM. The 12:00 AM time point was determined from a previous 28-day toxicity study in rat (see Study No. CN49730C). Several of the animals on Weeks 2, 4, 8, and 13 did not have samples collected within the target time criteria of 12:00 AM (\pm 15 minutes). However, the samples taken outside the criteria were believed to be sufficiently close to be used in the analysis. TK analysis was performed using the target dose (mg/kg/day), target sample collection time (clock time), and the measured concentrations of nicotine and cotinine (ng/mL).

C. RESULTS

Mean C_{\max} values were evaluated for the following:

- An exposure level effect for a given treatment group, gender, and analyte.
- A gender effect for a given treatment group, exposure level, and analyte.
- A treatment group effect for a given exposure level, gender, and analyte.
- A comparison of the tobacco blend and tobacco extract high exposure level groups to the nicotine tartrate group (reference treatment) for both genders.
- A comparison of the nicotine and cotinine values for a given treatment group, exposure level, gender, and time period.

1. Week 2

Group mean C_{\max} values determined at 12:00 AM on Week 2 are reported in Table 17 and graphically presented in Figure 7 (tobacco blend) and Figure 8 (tobacco extract).

The tobacco blend and tobacco extract groups exhibited increasing nicotine and cotinine mean C_{\max} values with increasing dose for males and females.

Male and female rats had similar C_{\max} values (less than two-fold difference) for a given treatment group and exposure level for both nicotine and cotinine; although the female values tended to be slightly greater than the males values.

The tobacco blend and tobacco extract groups had similar nicotine and cotinine mean C_{\max} values when comparing the same exposure level (less than two-fold difference) for both genders.

When compared to the reference formulation (nicotine tartrate, NT6), the tobacco blend mean C_{\max} values decreased for nicotine but increased for cotinine, whereas for the tobacco extract, nicotine and cotinine C_{\max} values increased. The NT6 group nicotine mean C_{\max} percentage differences to the

B6 group were -5.2 (M) and -13.0 (F) percent, and for the E6 group, were 4.2 (M) and 13.9 (F) percent. As for cotinine, the percentage differences for B6 were 12.1 (M) and 3.3 (F) percent, and for E6, were 18.7 (M) and 11.2 (F) percent.

Cotinine C_{\max} values were 7- to 11-fold greater than nicotine values for a given treatment group and exposure level, for all male and female groups.

Table 17 – Week 2 C_{\max} Values

Group	Gender	Nicotine C_{\max} (ng/mL)	Cotinine C_{\max} (ng/mL)
NT6	Male	73.7 ± 7.8	519 ± 13
	Female	99.2 ± 7.5	807 ± 32
B0.3	Male	3.03 ± 0.22	34.3 ± 4.4
	Female	3.48 ± 0.69	38.3 ± 2.5
B3	Male	39.5 ± 4.3	325 ± 29
	Female	51.3 ± 5.7	374 ± 54
B6	Male	69.9 ± 11.7	582 ± 40
	Female	86.3 ± 9.4	834 ± 90
E0.3	Male	3.07 ± 0.48	32.2 ± 1.6
	Female	4.00 ± 1.12	38.2 ± 4.0
E3	Male	39.6 ± 4.1	316 ± 9
	Female	43.8 ± 8.7	422 ± 75
E6	Male	76.8 ± 9.9	616 ± 47
	Female	113 ± 12	897 ± 55

2. Week 4

Group mean C_{\max} values determined at 12:00 AM on Week 4 are reported in Table 18 and graphically presented in Figure 9 (tobacco blend) and Figure 10 (tobacco extract).

Both the tobacco blend and tobacco extract groups exhibited increasing nicotine and cotinine mean C_{\max} values with increasing dose for males and females.

Male and female rats had similar C_{\max} values (less than two-fold difference) for a given treatment group and exposure level for both nicotine and cotinine.

The tobacco blend and tobacco extract groups had similar nicotine and cotinine mean C_{\max} values when comparing the same exposure level (less than two-fold difference) for both genders.

When compared to the reference formulation (nicotine tartrate, NT6), the tobacco blend and extract mean C_{\max} values were variable. The NT6 group nicotine mean C_{\max} percentage differences to the B6 group were 18.8 (M) and -5.6 (F) percent, and for the E6 group, were 27.3 (M) and -23.7 (F) percent. As for cotinine, the percentage differences for B6 were 15.7 (M) and 23.9 (F) percent, and for E6, were -3.7 (M) and -3.5 (F) percent.

Cotinine C_{max} values were 7- to 16-fold greater than nicotine values for a given treatment group and exposure level, for all male and female groups.

A comparison of Week 2 to Week 4 values for a given group were similar (less than two-fold difference) for males and females and for nicotine and cotinine.

Table 18 – Week 4 C_{max} Values

Group	Gender	Nicotine C_{max} (ng/mL)	Cotinine C_{max} (ng/mL)
NT6	Male	83.3 ± 9.5	788 ± 43
	Female	102 ± 10	778 ± 36
B0.3	Male	5.04 ± 1.46	48.6 ± 3.9
	Female	3.22 ± 0.24	51.3 ± 2.6
B3	Male	54.7 ± 5.8	462 ± 38
	Female	45.4 ± 9.4	403 ± 62
B6	Male	99.0 ± 15.6	912 ± 36
	Female	96.3 ± 17.9	964 ± 73
E0.3	Male	4.24 ± 0.46	44.6 ± 2.9
	Female	3.67 ± 0.51	47.9 ± 4.3
E3	Male	55.4 ± 6.0	444 ± 27
	Female	50.8 ± 7.6	493 ± 32
E6	Male	106 ± 9	759 ± 36
	Female	77.8 ± 9.6	751 ± 97

3. Week 8

Group mean C_{max} values determined at 12:00 AM on Week 8 are reported in Table 19 and graphically presented in Figure 11 (tobacco blend) and Figure 12 (tobacco extract).

Animal 671 of the female E0.3 group had a nicotine concentration 24-fold higher than the other measurable concentration and a cotinine concentration 18- to 22-fold higher than the rest of the group. Grubb's test confirms that the cotinine concentration for animal 671 was likely an outlier. An outlier test could not be performed on the nicotine concentration as the sample size was only two. When removed, the C_{max} for nicotine and cotinine was 4.92 (only one animal) and 66.5 ± 2.7 ng/mL, respectively. These values were consistent with the male E0.3 group and the B0.3 groups. Both the tobacco blend and tobacco extract groups exhibited increasing nicotine and cotinine mean C_{max} values with increasing dose for males and females.

Male and female rats had similar C_{max} values (less than two-fold difference) for a given treatment group and exposure level for both nicotine and cotinine, except for the E0.3 group due to the higher than expected E0.3 female group means.

The tobacco blend and tobacco extract groups had similar nicotine and cotinine mean C_{max} values when comparing the same exposure level (less than two-fold

difference) for both genders, except for the B0.3 and E0.3 female groups due to the higher than expected E0.3 group mean.

When compared to the reference formulation (nicotine tartrate, NT6), the tobacco blend and extract mean C_{max} values were variable. The NT6 group nicotine mean C_{max} percentage differences to the B6 group were 31.7 (M) and -14.3 (F) percent, and for the E6 group, were 0.6 (M) and -36.3 (F) percent. As for cotinine, the percentage differences for B6 were 33.4 (M) and -9.5 (F) percent, and for E6, were 8.8 (M) and 29.4 (F) percent.

Cotinine C_{max} values were five- to 16-fold greater than nicotine values for a given treatment group and exposure level, for all male and female groups.

A comparison of Week 2 and 4 to Week 8 values for a given group were similar (less than two-fold difference) for males and females and for nicotine and cotinine, except for the Week 8 female E0.3 group due to the higher than expected E0.3 female group means.

Table 19 – Week 8 C_{max} Values

Group	Gender	Nicotine C_{max} (ng/mL)	Cotinine C_{max} (ng/mL)
NT6	Male	83.5 ± 9.7	668 ± 34
	Female	119 ± 5	935 ± 21
B0.3	Male	5.27 ± 1.14	43.7 ± 3.5
	Female	4.20 ± 0.14	50.2 ± 4.7
B3	Male	50.8 ± 3.4	434 ± 23
	Female	55.8 ± 11.8	429 ± 75
B6	Male	110 ± 19	891 ± 55
	Female	102 ± 28	846 ± 228
E0.3	Male	4.42 ± 0.48	44.3 ± 2.8
	Female ^a	60.5 ± NA	313 ± 247
E3	Male	57.5 ± 6.4	423 ± 36
	Female	65.4 ± 11.9	649 ± 70
E6	Male	84.0 ± 16.0	727 ± 51
	Female	75.8 ± 17.3	1210 ± 160

a. Removal of Animal 671 outliers resulted in a nicotine C_{max} of NA (only one animal) and a cotinine C_{max} of 66.5 ± 2.7.

4. Week 13

Group mean C_{max} values determined at 12:00 AM on Week 13 are reported in Table 20 and graphically presented in Figure 13 (tobacco blend) and Figure 14 (tobacco extract). Mean C_{max} percentage differences of B6 and E6 to NT6 from Week 2, 4, 8, and 13 are graphically presented in Figure 15 (nicotine) and Figure 16 (cotinine).

Male and female rats had similar C_{max} values (less than two-fold difference) for a given treatment group and exposure level for both nicotine and cotinine.

The tobacco blend and tobacco extract groups had similar nicotine and cotinine mean C_{max} values when comparing the same exposure level (less than two-fold difference) for both genders.

When compared to the reference formulation (nicotine tartrate, NT6), the tobacco blend and extract mean C_{max} values increased for nicotine and cotinine, except for the female nicotine E6 group. The NT6 group nicotine mean C_{max} percentage differences to the B6 group were 43.9 (M) and 7.8 (F) percent, and for the E6 group, were 3.4 (M) and -18.9 (F) percent. As for cotinine, the percentage differences for B6 were 45.7 (M) and 20.7 (F) percent, and for E6, were 18.9 (M) and 24.9 (F) percent.

Cotinine C_{max} values were 7- to 15-fold greater than nicotine values for a given treatment group and exposure level, for all male and female groups.

A comparison of Week 2, 4, and 8 to Week 13 values for a given group were similar (less than two-fold difference) for males and females and for nicotine and cotinine, except for the Week 8 female E0.3 group due to the higher than expected E0.3 female group means.

Table 20 – Week 13 C_{max} Values

Group	Gender	Nicotine C_{max} (ng/mL)	Cotinine C_{max} (ng/mL)
NT6	Male	93.1 ± 12.0	741 ± 40
	Female	116 ± 26	953 ± 110
B0.3	Male	6.35 ± 1.58	55.2 ± 3.5
	Female	3.50 ± 0.94	51.5 ± 3.7
B3	Male	63.2 ± 11.3	574 ± 32
	Female	56.6 ± 13.5	441 ± 62
B6	Male	134 ± 15	1080 ± 40
	Female	125 ± 18	1150 ± 60
E0.3	Male	4.55 ± 0.35	51.8 ± 2.2
	Female	3.11 ± 0.68	43.4 ± 6.4
E3	Male	49.4 ± 12.4	485 ± 26
	Female	88.8 ± 14.8	637 ± 67
E6	Male	96.3 ± 8.7	881 ± 38
	Female	94.1 ± 19.1	1190 ± 190

D. CONCLUSIONS

T_{max} (i.e., 12:00 AM) was experimentally-determined from the previous 28-day toxicity study (CN49730C). The C_{max} values in the present study were used to evaluate systemic exposure to nicotine and cotinine, as well as allow for relationships between gender, varying formulations, exposure level, and exposure duration to be evaluated.

Mean C_{max} values on Week 2 were generally higher for the females than the males for nicotine and cotinine. On weeks 4, 8, and 13, there was no overt gender effect.

There were no overt formulation effects as tobacco extract and tobacco blend formulations at a given exposure level had similar C_{max} values for both males and females. The C_{max} values increased approximately proportionally with an increase in exposure level for both the tobacco extract and tobacco blend. Overall, a trend in slightly higher C_{max} values in the blend than from the extract was observed for the males but, for the females, an opposite effect was observed.

The NT6, B6, and E6 produced similar nicotine and cotinine concentrations over the study period, thereby indicating similar systemic exposure was achieved following exposure to the blend or extract in comparison to the reference formulation. However, the B6 groups in males increased in group mean nicotine and cotinine C_{max} over time. There was no consistent increase or decrease in group mean C_{max} values over time for the female B6 groups or E6 groups in males or females. C_{max} values were similar on Weeks 2, 4, 8, and 13 for a given exposure level and gender suggesting no induction or accumulation of nicotine or cotinine occurred.

PLATE A

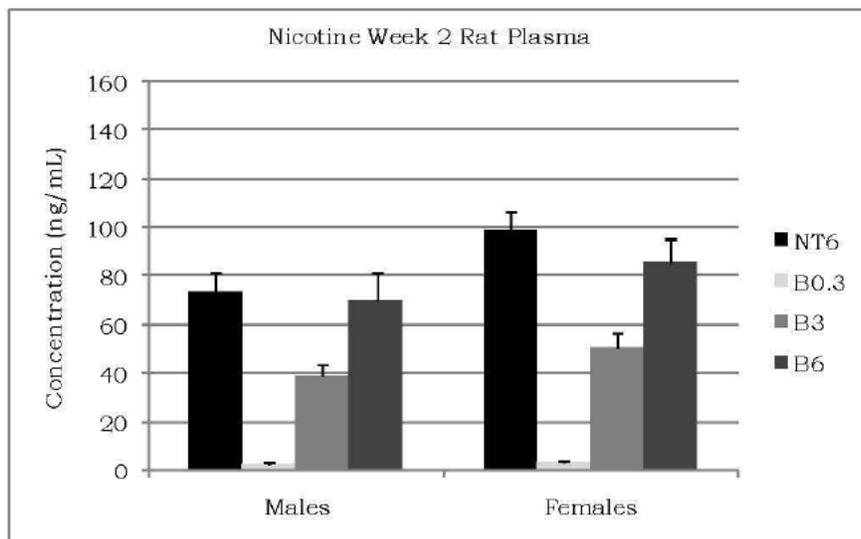


PLATE B

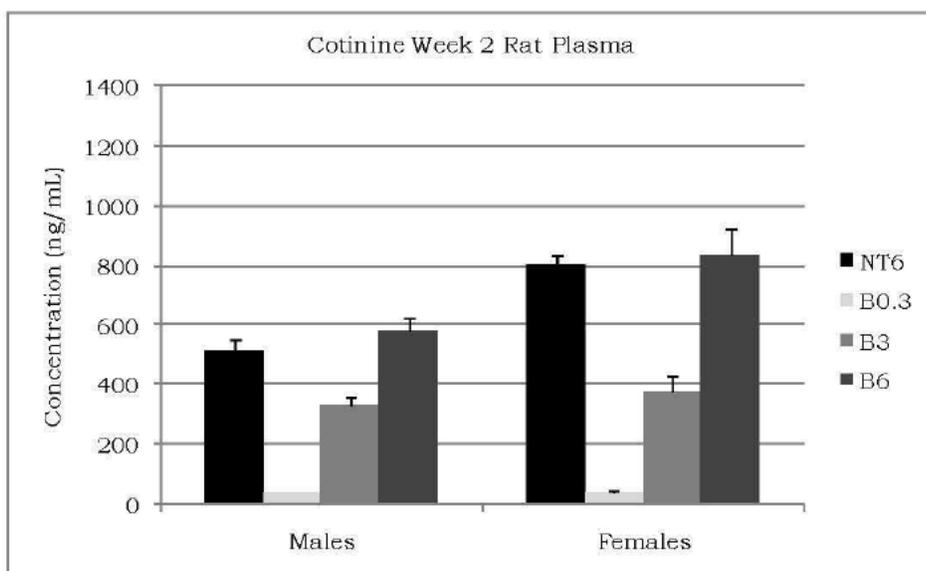


Figure 7 – C_{max} (Mean + SEM) for Male and Female Rats on Week 2 After Daily Oral Exposure of Nicotine Hydrogen Tartrate or Tobacco Blend – Nicotine (Plate A) and Cotinine (Plate B)

PLATE A

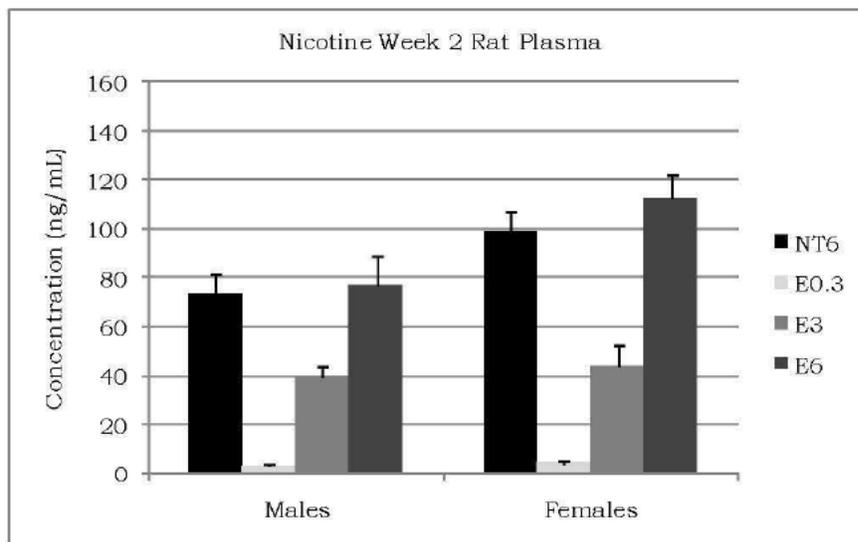


PLATE B

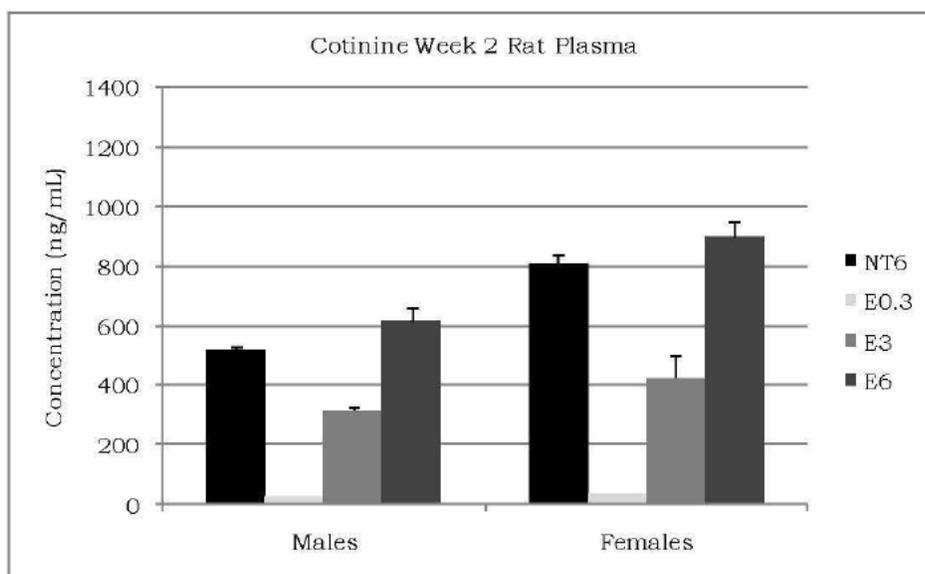


Figure 8 – C_{max} (Mean + SEM) for Male and Female Rats on Week 2 After Daily Oral Exposure of Nicotine Hydrogen Tartrate or Tobacco Extract – Nicotine (Plate A) and Cotinine (Plate B)

PLATE A

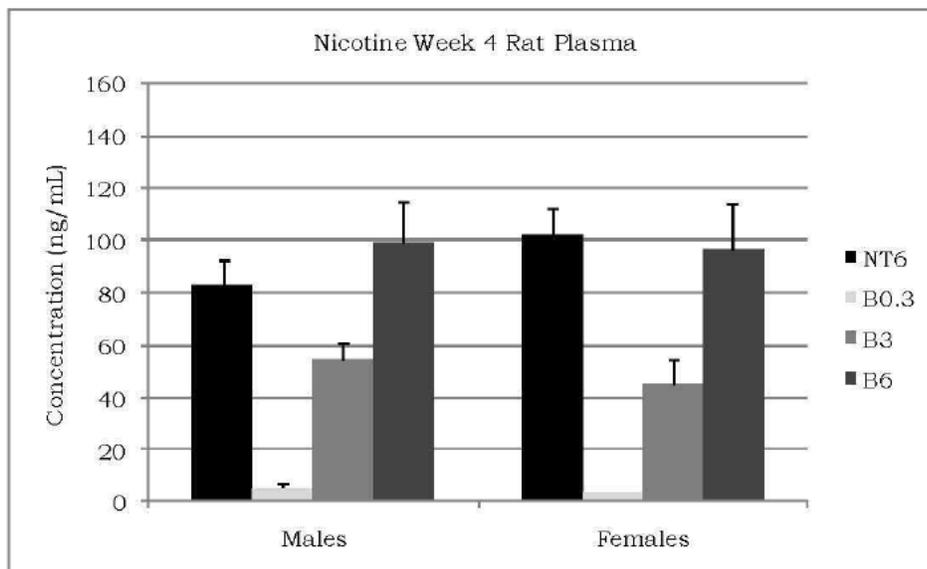


PLATE B

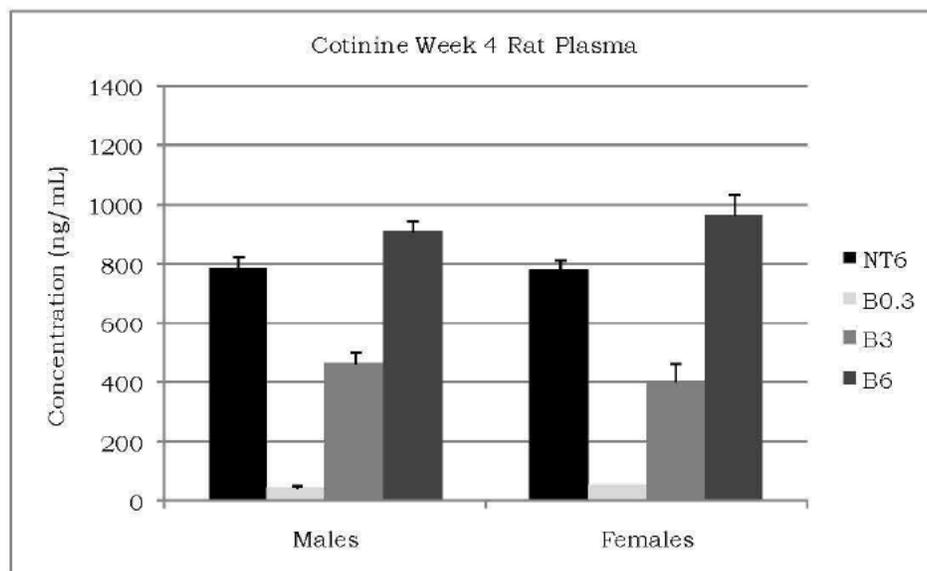


Figure 9 – C_{max} (Mean + SEM) for Male and Female Rats on Week 4 After Daily Oral Exposure of Nicotine Hydrogen Tartrate or Tobacco Blend – Nicotine (Plate A) and Cotinine (Plate B)

PLATE A

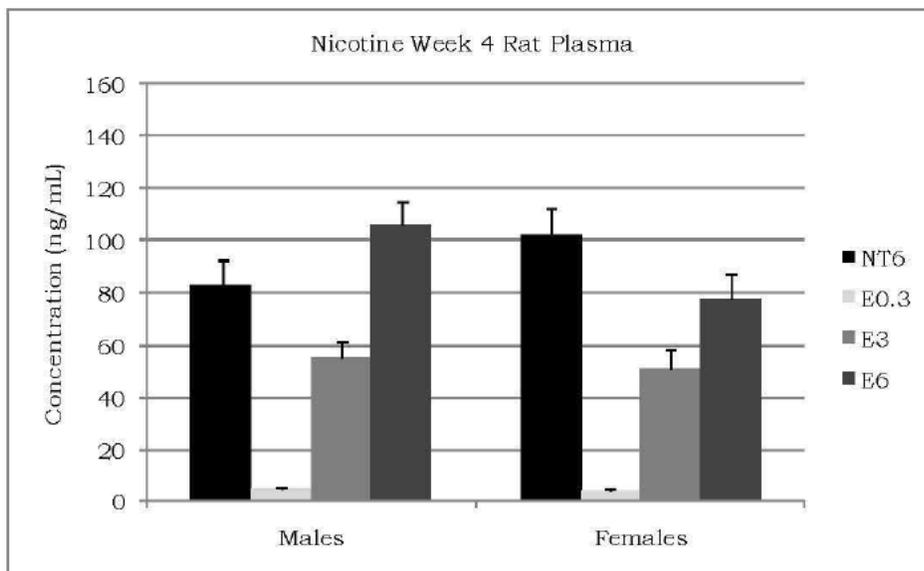


PLATE B

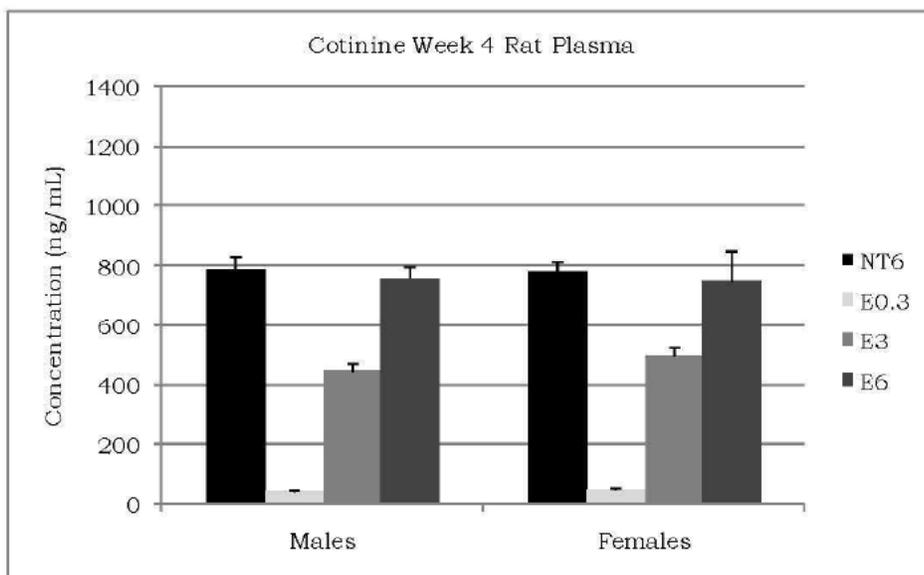


Figure 10 – C_{max} (Mean + SEM) for Male and Female Rats on Week 4 After Daily Oral Exposure of Nicotine Hydrogen Tartrate or Tobacco Extract – Nicotine (Plate A) and Cotinine (Plate B)

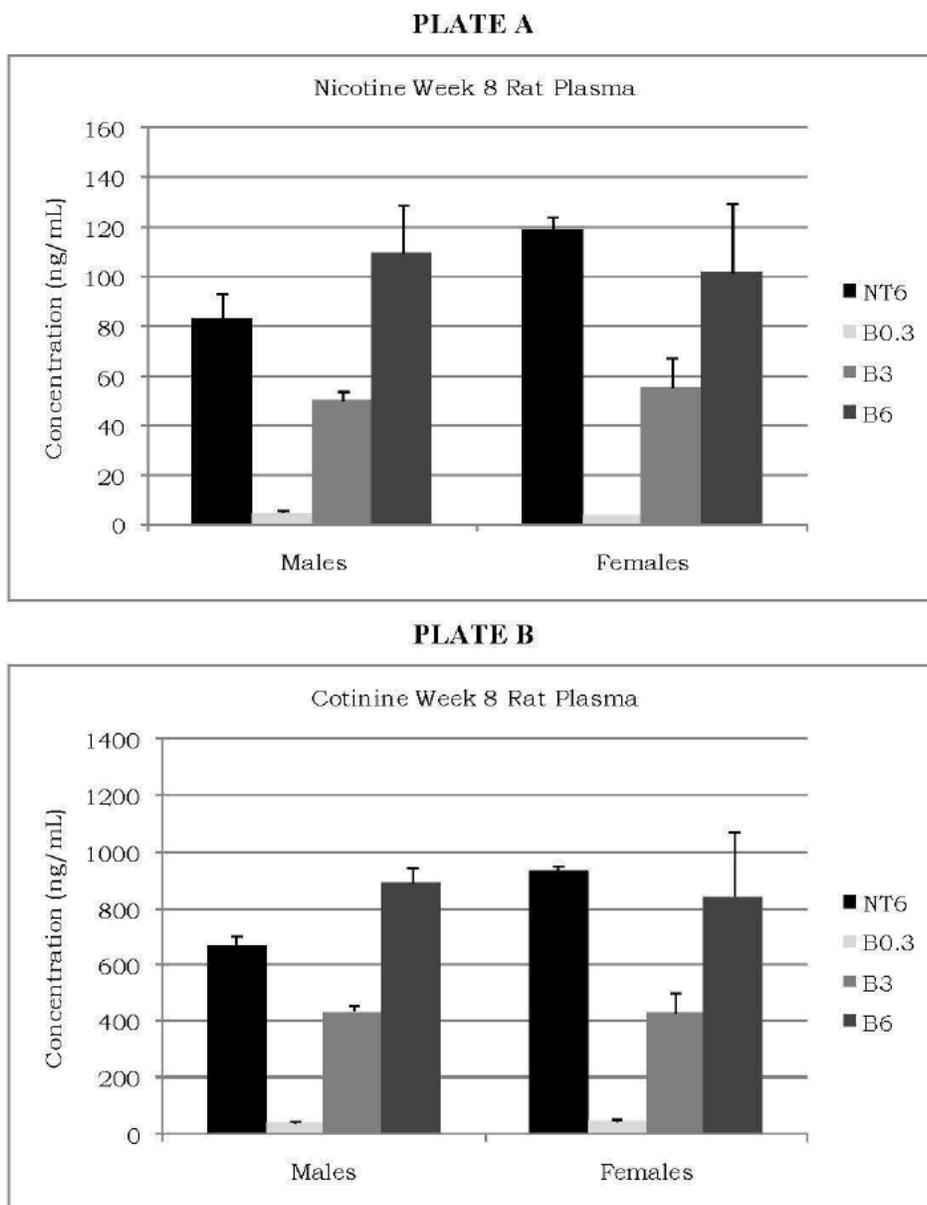


Figure 11 – C_{max} (Mean + SEM) for Male and Female Rats on Week 8 After Daily Oral Exposure of Nicotine Hydrogen Tartrate or Tobacco Blend – Nicotine (Plate A) and Cotinine (Plate B)

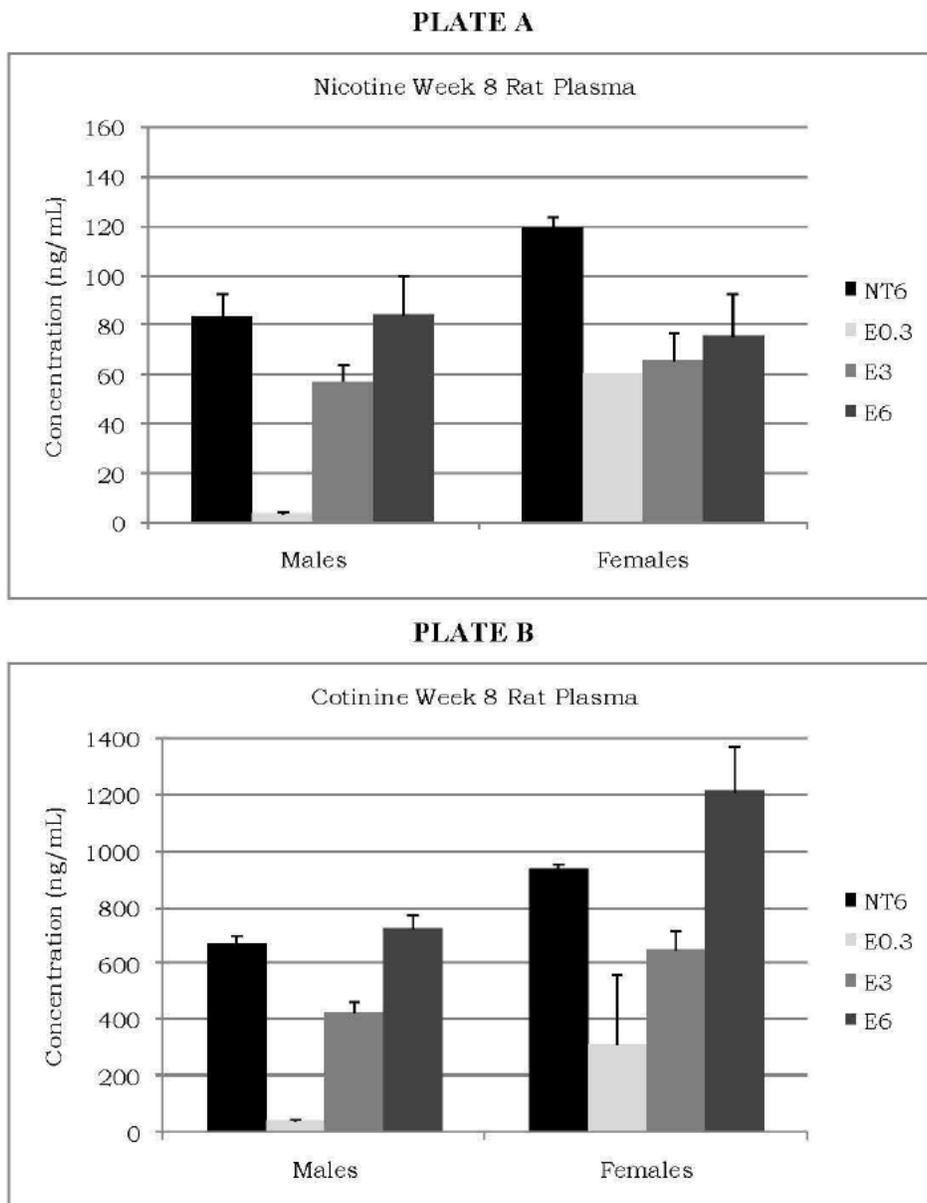


Figure 12 – C_{max} (Mean + SEM) for Male and Female Rats on Week 8 After Daily Oral Exposure of Nicotine Hydrogen Tartrate or Tobacco Extract – Nicotine (Plate A) and Cotinine (Plate B)

PLATE A

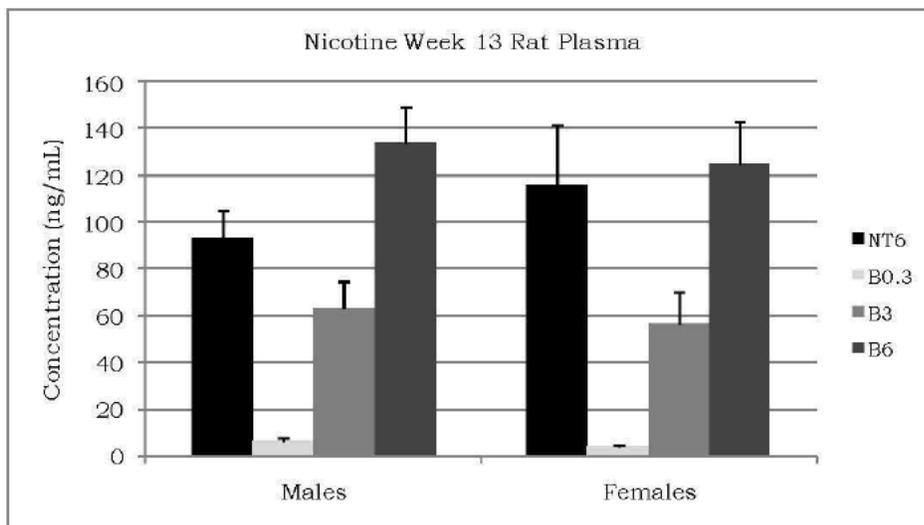


PLATE B

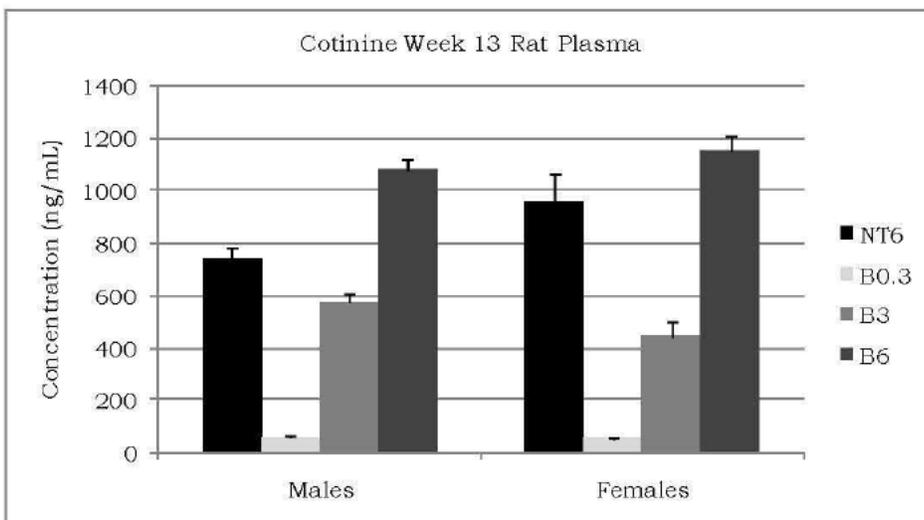


Figure 13 – C_{max} (Mean + SEM) for Male and Female Rats on Week 13 After Daily Oral Exposure of Nicotine Hydrogen Tartrate or Tobacco Blend – Nicotine (Plate A) and Cotinine (Plate B)

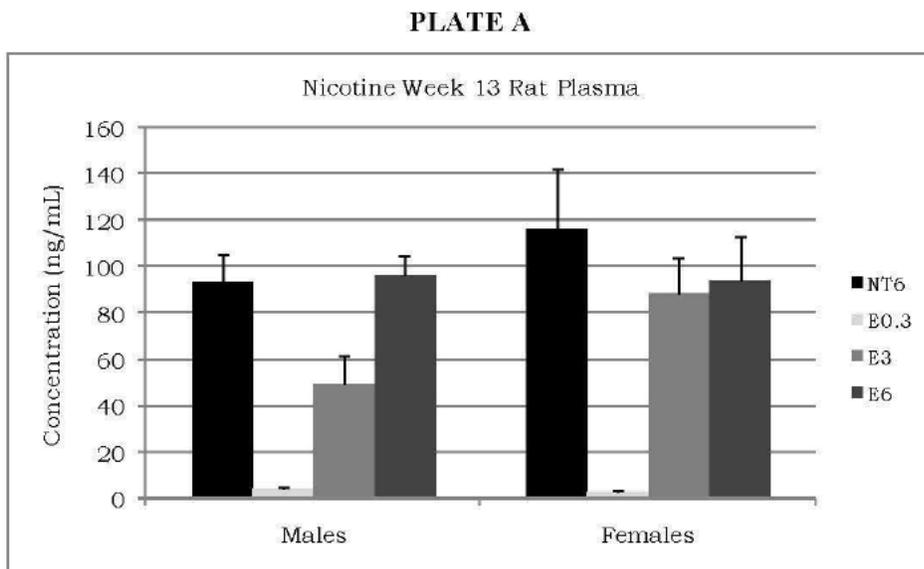


Figure 14 – C_{max} (Mean + SEM) for Male and Female Rats on Week 13 After Daily Oral Exposure of Nicotine Hydrogen Tartrate or Tobacco Extract – Nicotine (Plate A) and Cotinine (Plate B)

PLATE A

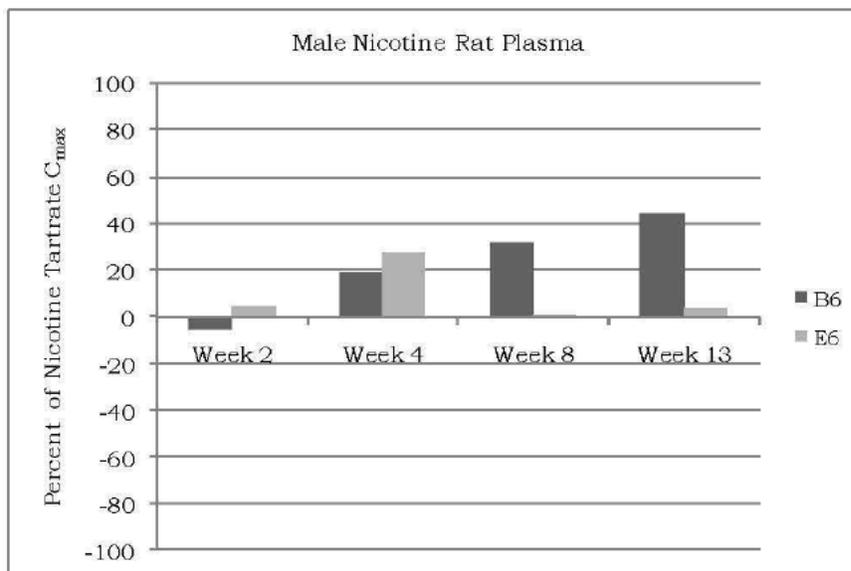


PLATE B

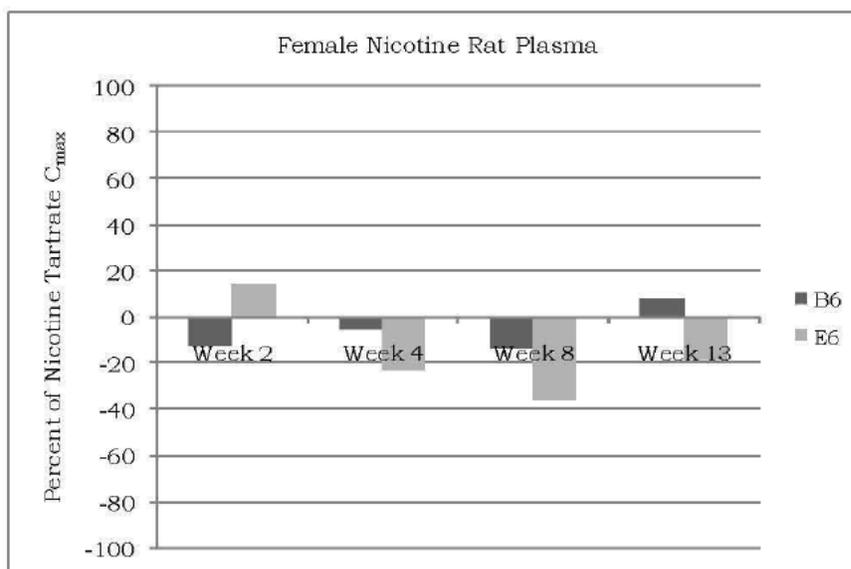


Figure 15 – Percent Change in Nicotine C_{max} for Rats After Daily Oral Exposure of Nicotine Hydrogen Tartrate, Tobacco Blend, or Tobacco Extract – Males (Plate A) and Females (Plate B)

PLATE A

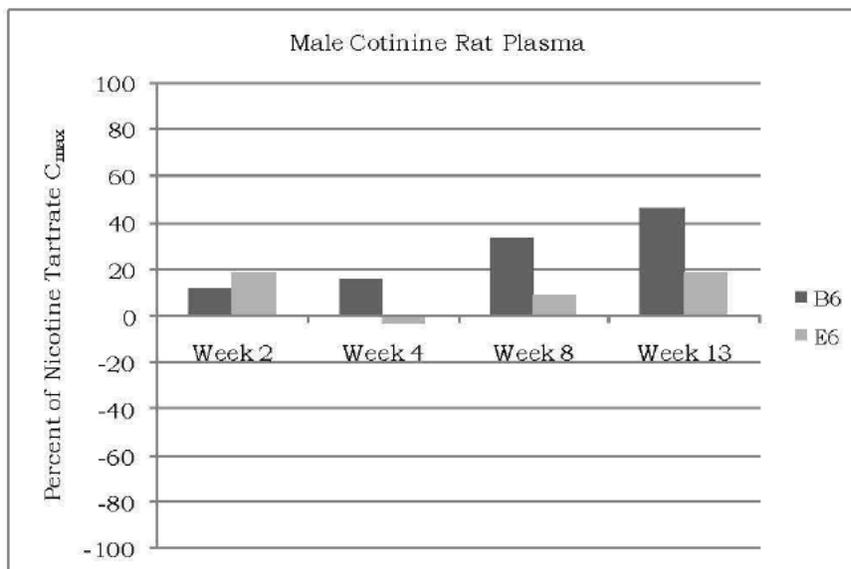


PLATE B

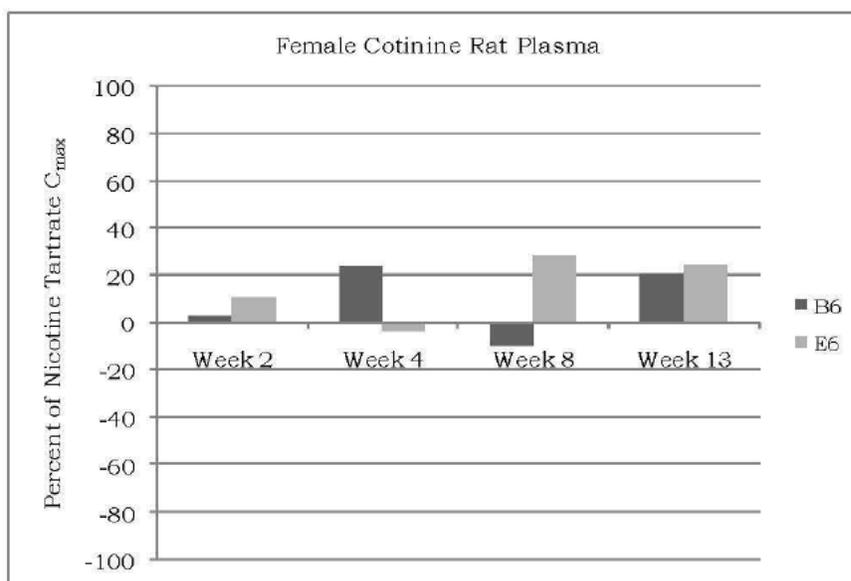


Figure 16 – Percent Change in Cotinine C_{max} for Rats After Daily Oral Exposure of Nicotine Hydrogen Tartrate, Tobacco Blend, or Tobacco Extract – Males (Plate A) and Females (Plate B)

VI. AMENDMENTS/DEVIATIONS

There were no amendments or deviations for the biological sample analysis portion of this study.

VII. ACKNOWLEDGEMENTS

Dan Burnham, Jim Hoskinson, Melinda Pauff, Jessica Pierfelice, Teresa Poliquin, Pat South, and Christina Zielinski performed the analytical work. Stephen Summer wrote this report. Drs. Seth Gibbs and Jerry D. Johnson provided the kinetic analysis and report section. Gabriel Skunza reviewed the data and report for completeness and accuracy.

**APPENDIX A – ANALYSIS
STANDARD OPERATING PROCEDURE (SOP)**

Manual Number: 10 - SEP 22 2008
 Battelle SOP Number: COMSPEC.V-040-00
 Page 1 of 15
 Study Number: _____
 Date: _____
 Initials: _____

**STANDARD OPERATING PROCEDURE (SOP) FOR THE ANALYSIS OF
 NICOTINE AND COTININE IN RAT PLASMA BY LC-MS**

Originated by: Steph J. Summers Date: 9/19/08

Approved by: Bin Bud Date: 9/19/08
 Technical Reviewer

Approved by: Phil Kest Date: 9/19/08
 Toxicologist

Approved by: Steve Shaw Date: 9/19/08
 Management

Reviewed and Registered by QAU:

Carol Jones Date: 9/19/08

Battelle
 505 King Avenue
 Columbus, Ohio 43201

Manual Number: 10
Battelle SOP Number: COMSPEC.V-040-00
Page 2 of 15
Study Number: _____
Date: _____
Initials: _____

I. SCOPE

The scope of this work is to determine the concentration of nicotine and cotinine in rat plasma samples. Plasma calibration standards are prepared from two independently prepared stock solutions. The calibration standards, blanks, and Quality Control (QC) samples are processed by liquid-liquid extraction followed by analysis using liquid chromatography with mass spectrometry (LC-MS). Nicotine and cotinine concentrations are calculated using area response ratios and a regression line constructed from the concentrations and peak area response ratios of the calibrations standards.

II. PURPOSE

The purpose of this SOP is to provide instructions for conducting the analysis of nicotine and cotinine in rat plasma.

III. REFERENCES

- Current SOP for Labeling Reagents, Solutions, Test and Control Articles, and Specimens
- Current SOP for Using Electronic Balances
- Current SOP for Recording, Reviewing, and Correcting Raw Data
- Current SOP for Using Pipettors
- Current SOP for Using HPLCs
- Current SOP for Using Mass Spectrometers
- Current SOP for Numeric Data and Calculations
- Current SOP for Using Refrigerators and Freezers
- Current SOP for the Use and Training for Analyst Software

IV. DEFINITIONS

None

10 —

Manual Number:
Battelle SOP Number: COMSPEC.V-040-00
Page 3 of 15
Study Number: _____
Date: _____
Initials: _____

V. PROCEDURE**A. GENERAL INSTRUCTIONS**

USE TWO PAIR OF DISSIMILAR GLOVES DURING NEAT CHEMICAL HANDLING.

Calibrate all required balances according to the SOP on balance usage.

Make equivalent dilutions when the volume needed varies from the volume stated in the method.

Label all standard and reagent solutions as specified in the appropriate SOP.

Document all materials, equipment, and the chromatographic parameters. Initial on the top of each page of this document to signify that you have followed the instructions as written, all materials and reagents are current, and all equipment has been properly calibrated.

Initial and date the top of the page on the day that the work for that page was begun. Other entries made by the analyst on a later date or entries made by another person will be initialed and dated near the data entry.

The procedures are written in general chronological order. However, it is not essential that all sections be performed sequentially. The analyst may determine the order for conducting the task in the most efficient manner, unless the order for certain activities is specified.

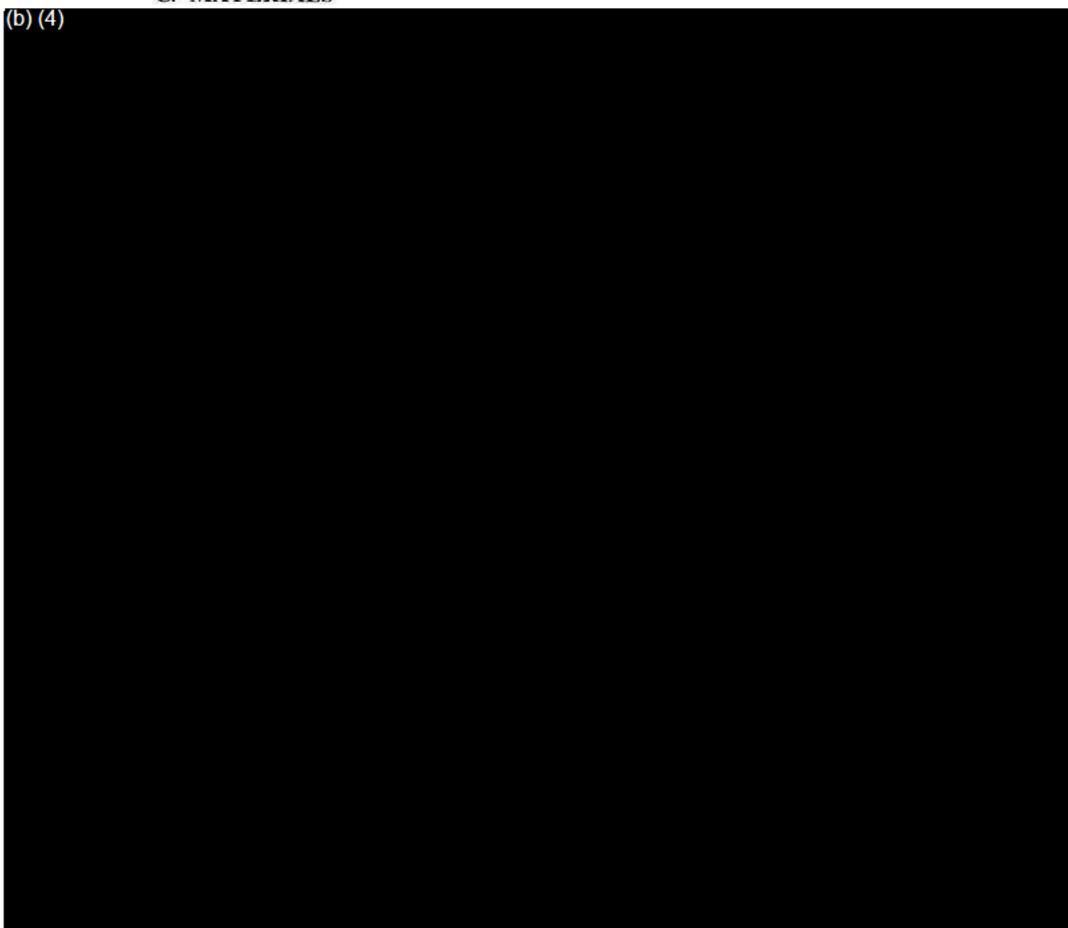
Line through any section that is not needed for a specific task.

B. SAMPLES

See attached form for sample list and dilution of samples.

Manual Number: 10
Battelle SOP Number: COMSPEC.V-040-00
Page 4 of 15
Study Number: _____
Date: _____
Initials: _____

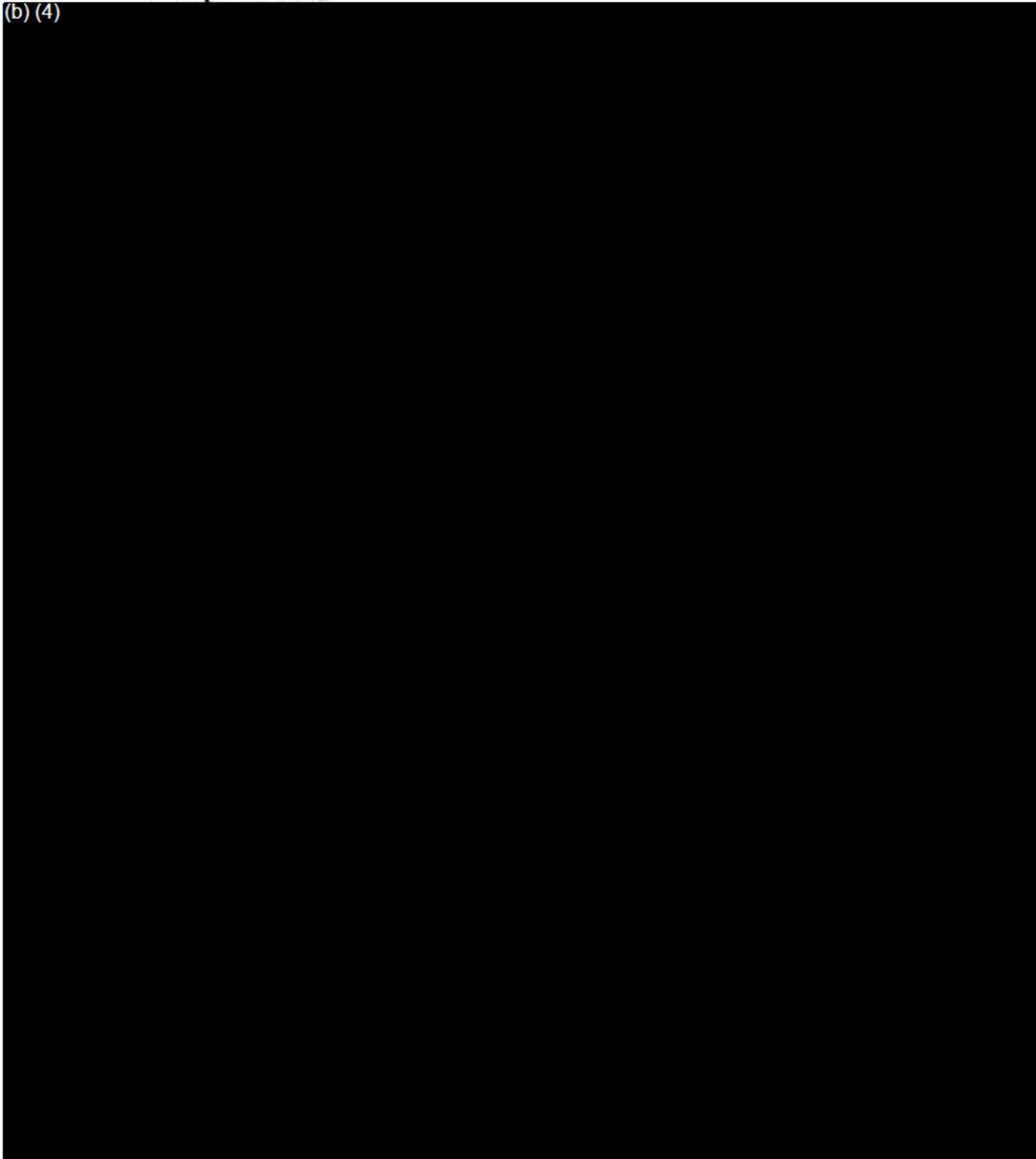
C. MATERIALS



Manual Number: 10
Battelle SOP Number: COMSPEC.V-040-00
Page 5 of 15
Study Number: _____
Date: _____
Initials: _____

D. EQUIPMENT

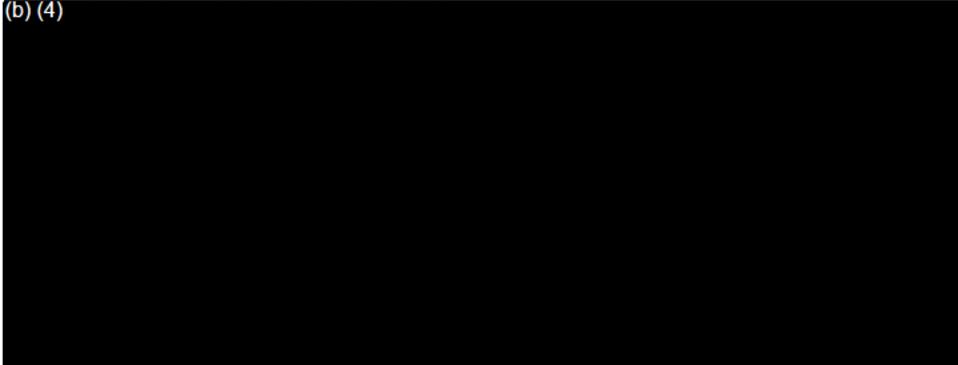
(b) (4)



Manual Number: 10 —
Battelle SOP Number: COMSPEC.V-040-00
Page 6 of 15
Study Number: _____
Date: _____
Initials: _____

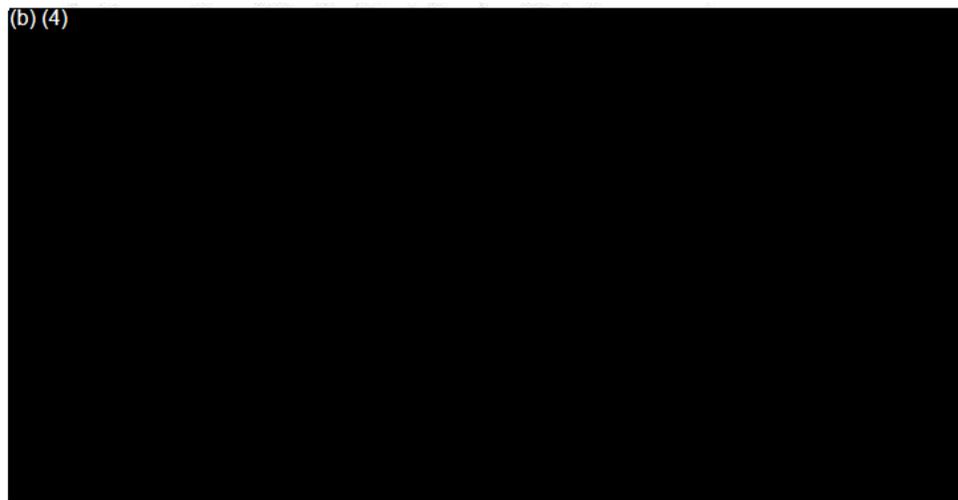
E. PREPARATION OF SOLUTIONS

(b) (4)

A large black rectangular redaction box covering the entire content of section E.

F. PREPARATION OF STANDARD SOLUTIONS

(b) (4)

A large black rectangular redaction box covering the entire content of section F.

Manual Number: - 10
Battelle SOP Number: COMSPEC.V-040-00
Page 7 of 15
Study Number: _____
Date: _____
Initials: _____

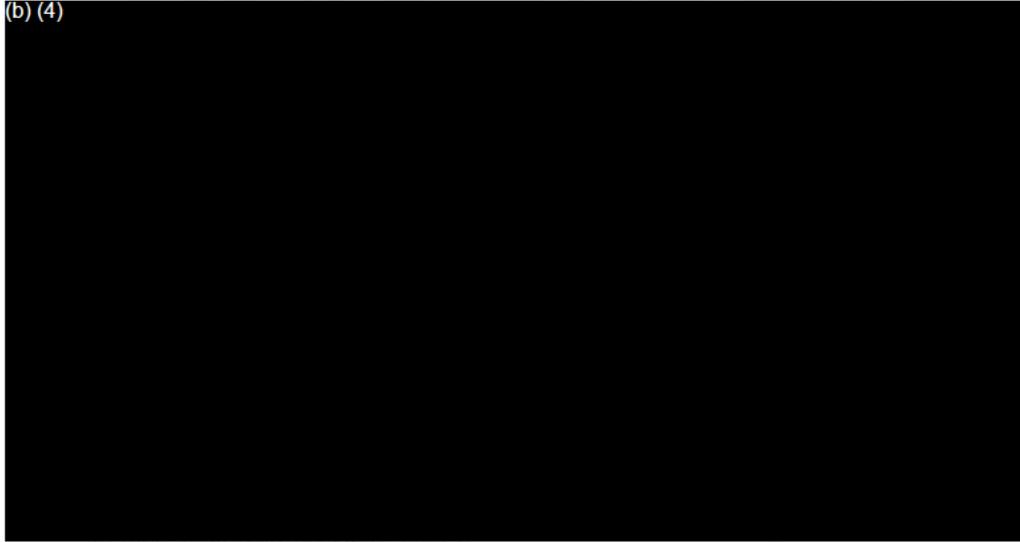
(b) (4)



Manual Number: 16 -
Battelle SOP Number: COMSPEC.V-040-00
Page 8 of 15
Study Number: _____
Date: _____
Initials: _____

G. PREPARATION OF PLASMA CALIBRATION STANDARDS

(b) (4)



H. PREPARATION OF BLANKS

(b) (4)



Manual Number: 10
Battelle SOP Number: COMSPEC.V-040-00
Page 9 of 15
Study Number: _____
Date: _____
Initials: _____

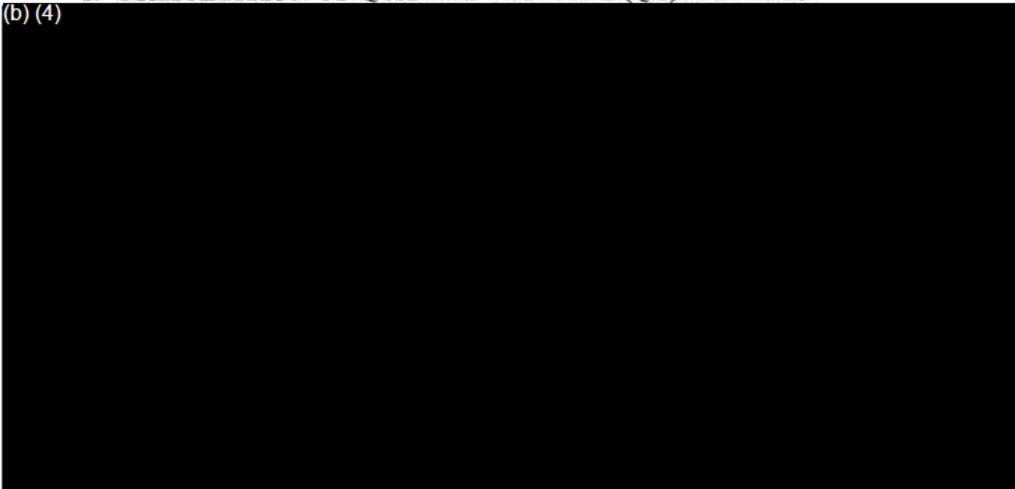
I. PREPARATION OF INTERNAL STANDARD (IS) SOLUTIONS

(b) (4)

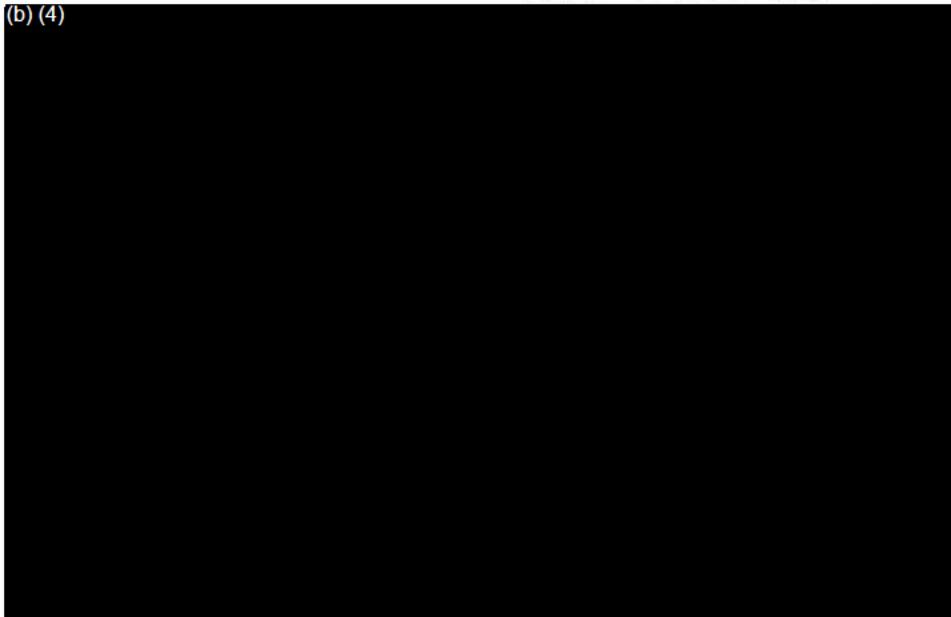


J. PREPARATION OF QUALITY CONTROL (QC) SAMPLES

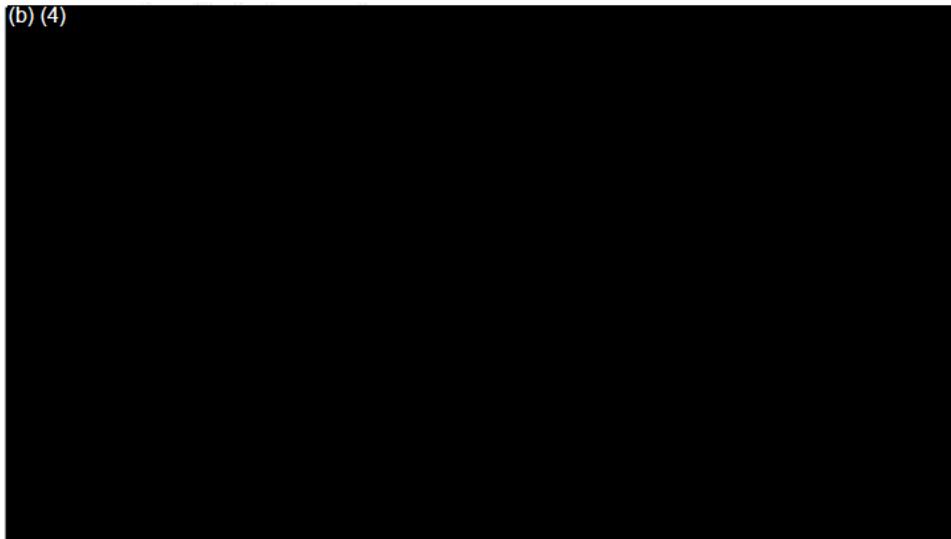
(b) (4)



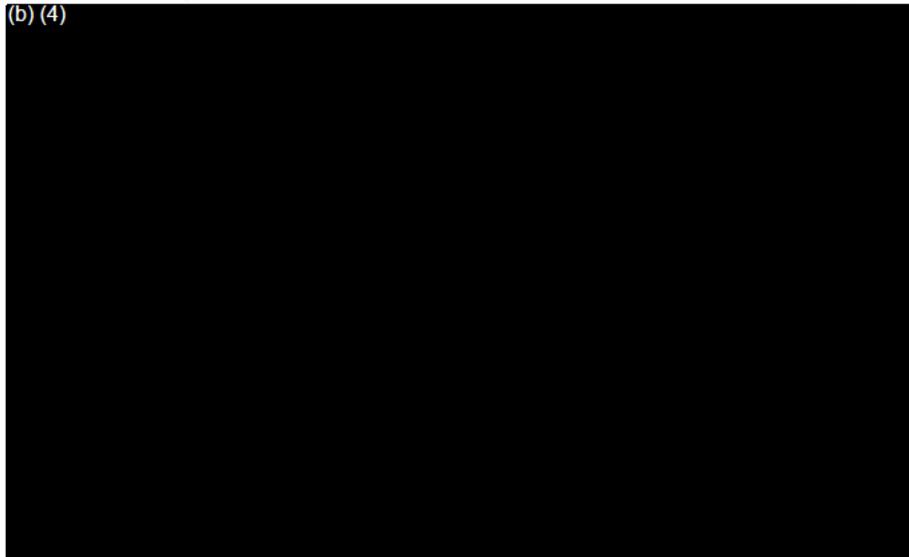
Manual Number: 10
Battelle SOP Number: COMSPEC.V-040-00
Page 10 of 15
Study Number: _____
Date: _____
Initials: _____



K. PREPARATION OF PLASMA STANDARDS, BLANKS, QCS, AND SAMPLES



Manual Number: - 10
Battelle SOP Number: COMSPEC.V-040-00
Page 11 of 15
Study Number: _____
Date: _____
Initials: _____



10 -

Manual Number:
Battelle SOP Number: COMSPEC.V-040-00
Page 12 of 15
Study Number: _____
Date: _____
Initials: _____

L. ANALYSIS OF STANDARDS, BLANKS, SAMPLES, AND QCS

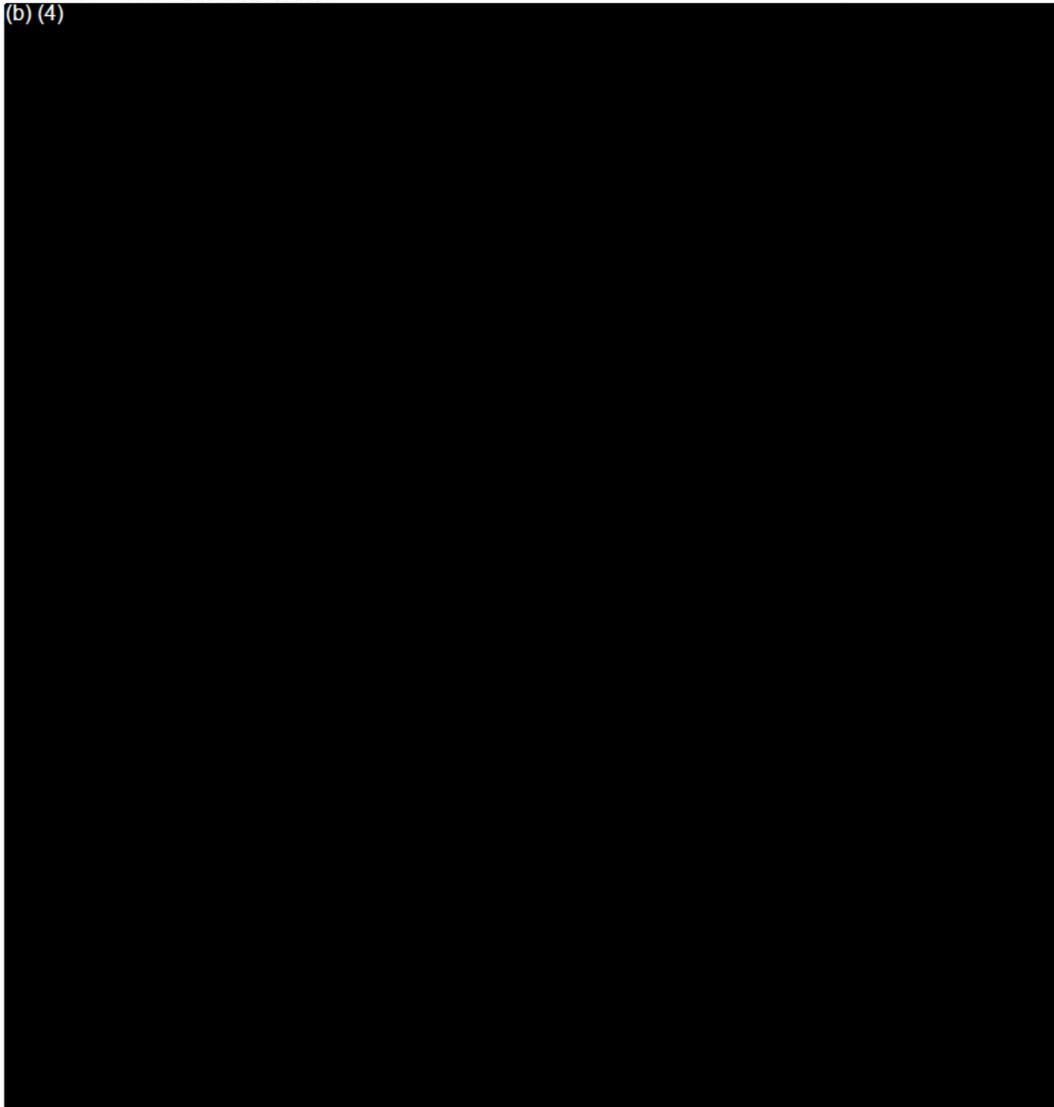
(b) (4)



Manual Number:
Battelle SOP Number: COMSPEC.V-040-00
Page 13 of 15
Study Number: _____
Date: _____
Initials: _____

VI. CALCULATIONS

(b) (4)

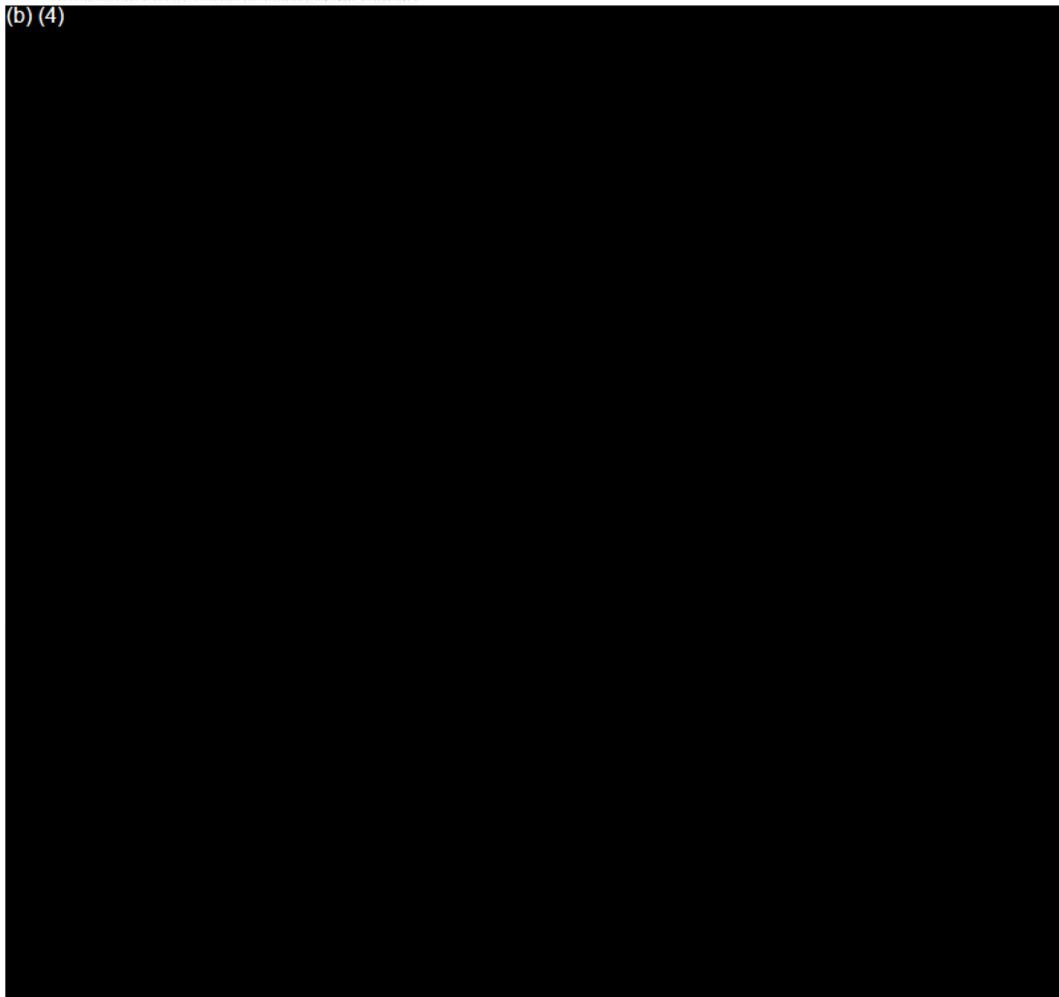


18
Manual Number:
Battelle SOP Number: COMSPEC.V-040-00
Page 14 of 15
Study Number: _____
Date: _____
Initials: _____

VII. RESULTS

Include printouts of the acquisition method, HPLC method, calibration curve, chromatograms, summary report, data processing parameters, and spreadsheets in the data packet.

VIII. ACCEPTANCE CRITERIA



10

Manual Number:
Battelle SOP Number: COMSPEC.V-040-00
Page 15 of 15
Study Number: _____
Date: _____
Initials: _____

IX. COMMENTS/CONCLUSIONS

X. DATA REVIEW

Technical Review

Review at least the following to assure they are acceptable: rejection of calibration standards, integration of chromatograms, chromatography data processing and acquisition parameters, calibration standard concentrations, and regression model

Data Accuracy Review

Review at least the following: completeness and correctness of data entry, formulas used to calculate all values, accuracy of calculations, and compliance of data with acceptance criteria.

XI. SIGNATURES

Technical Review Signature/Date:

Signature of the technical reviewer will be considered documentation that all modifications and/or changes to this SOP (documented during the course of conducting this task) are technically acceptable and have no adverse technical impact unless otherwise noted. Changes or deviations to the acceptance criteria section require independent assessment by the technical reviewer.

Data Accuracy Review Signature/Date:

XII. REVISION HISTORY

None

APPENDIX I: SEROLOGY REPORTS



FINAL REPORT OF LABORATORY EXAMINATION
MU Research Animal Diagnostic Laboratory
 4011 Discovery Drive, Columbia MO 65201 1-800-669-0825 1-573-882-5983
 radil@missouri.edu www.radil.missouri.edu

CASE NUMBER: 17355-2008

RECEIVED ON: 8/22/2008

COMPLETED ON: 8/25/2008

SUBMITTED BY:

Katherine M. Hardin
 Battelle Memorial Institute
 505 King Ave. Room 7-1-20
 Columbus, OH 43201
 (614) 424-6328
 [614] 458-6328 (fax)

SPECIMEN DESCRIPTION:

SPECIES: rat
DESCRIPTION: serum samples, diluted
NUMBER OF SPECIMENS: 10
FACILITY CODE: COM

PURCHASE ORDER #: V103399000697

ID	Client ID	Investigator	Room #	Sex
1	CN49730E-1	M. Hejtmancik	7C-074	M
2	CN49730E-2	M. Hejtmancik	7C-074	M
3	CN49730E-3	M. Hejtmancik	7C-074	M
4	CN49730E-4	M. Hejtmancik	7C-074	M
5	CN49730E-5	M. Hejtmancik	7C-074	M
6	CN49730E-6	M. Hejtmancik	7C-074	F
7	CN49730E-7	M. Hejtmancik	7C-074	F
8	CN49730E-8	M. Hejtmancik	7C-074	F
9	CN49730E-9	M. Hejtmancik	7C-074	F
10	CN49730E-10	M. Hejtmancik	7C-074	F

TESTS PERFORMED: Basic Serology Profile - rat

Serologic evaluation for antibodies to: H1, KRV, LCM, *M. pulmonis*, Parvo NS-1, PVM, RCV/SDAV, REO3, RMV, RPV, RTV, Sendai, TMEV GDVII

GENERAL COMMENTS: In the case of any positive or reactive result, even preliminary, notify Dr. Tracy Peace by phone. Backup contact is Katie Hardin.

SUMMARY: All test results were negative.

If you have questions, please call our toll free number at 1-800-669-0825 or e-mail us at radil@missouri.edu.

Technical Review TAP 9/8/08
 QC Review: BAS 9-26-08

CN49730E

Case Number: 17355-2008

Page 2

SEROLOGY:

		1	2	3	4	5	6	7	8	9	10
LCM	MFI (> 500)	-	-	-	-	-	-	-	-	-	-
<i>M. pulmonis</i>	MFI (> 2,485)	-	-	-	-	-	-	-	-	-	-
Parvo NS-1	MFI (> 4,095)	-	-	-	-	-	-	-	-	-	-
H1	MFI (> 2,940)	-	-	-	-	-	-	-	-	-	-
KRV	MFI (> 2,915)	-	-	-	-	-	-	-	-	-	-
RMV	MFI (> 1,225)	-	-	-	-	-	-	-	-	-	-
RPV	MFI (> 1,200)	-	-	-	-	-	-	-	-	-	-
PVM	MFI (> 325)	-	-	-	-	-	-	-	-	-	-
RCV/SDAV	MFI (> 2,610)	-	-	-	-	-	-	-	-	-	-
REO3	MFI (> 1,250)	-	-	-	-	-	-	-	-	-	-
RTV	MFI (> 2,400)	-	-	-	-	-	-	-	-	-	-
TMEV GDVII	MFI (> 2,280)	-	-	-	-	-	-	-	-	-	-
Sendai	MFI (> 1,665)	-	-	-	-	-	-	-	-	-	-

(LEGEND: * = borderline + = positive - = negative blank = test not performed C = cell antigen reactor EQ = equivocal HE = hemolysis precluded testing I = insufficient INC = inconclusive finding NA = non-specific adherence NF = non-specific fluorescence NH = non-specific hemagglutination NR = sample not received NT = not tested S = suspect TC = tissue culture reactive W = weak positive WB = Western Blot confirmatory analysis pending)

Positive MFI results are reported as "+" followed by a number from 1 to 33 in thousands rounded off to the nearest thousand.

Comments: Please refrain from using any kind of transparent tape or Parafilm to secure labels or caps to vials; neither will detach under shipping conditions (unless vials and caps are mismatched). We must remove all such materials from vials before we can process your samples using our robotic serum dispenser.



FINAL REPORT OF LABORATORY EXAMINATION
MU Research Animal Diagnostic Laboratory
 4011 Discovery Drive, Columbia MO 65201 1-800-669-0825 1-573-882-5983
 radil@missouri.edu www.radil.missouri.edu

CASE NUMBER: 17355-2008

RECEIVED ON: 8/22/2008

COMPLETED ON: 8/25/2008

SUBMITTED BY:

Katherine M. Hardin
 Battelle Memorial Institute
 505 King Ave. Room 7120
 Columbus, OH 43201
 (614) 424-6328
 [614] 458-6328 (fax)

SPECIMEN DESCRIPTION:

SPECIES: rat
DESCRIPTION: serum samples, diluted
NUMBER OF SPECIMENS: 10
FACILITY CODE: COM

PURCHASE ORDER #: V103399000697

ID	Client ID	Investigator	Room #	Sex
1	CN49730E-1	M. Hejtmancik	7C-074	M
2	CN49730E-2	M. Hejtmancik	7C-074	M
3	CN49730E-3	M. Hejtmancik	7C-074	M
4	CN49730E-4	M. Hejtmancik	7C-074	M
5	CN49730E-5	M. Hejtmancik	7C-074	M
6	CN49730E-6	M. Hejtmancik	7C-074	F
7	CN49730E-7	M. Hejtmancik	7C-074	F
8	CN49730E-8	M. Hejtmancik	7C-074	F
9	CN49730E-9	M. Hejtmancik	7C-074	F
10	CN49730E-10	M. Hejtmancik	7C-074	F

TESTS PERFORMED: Basic Serology Profile - rat

Serologic evaluation for antibodies to: H1, KRV, LCM, *M. pulmonis*, Parvo NS-1, PVM, RCV/SDAV, REO3, RMV, RPV, RTV, Sendai, TMEV GDVII

GENERAL COMMENTS: In the case of any positive or reactive result, even preliminary, notify Dr. Tracy Peace by phone. Backup contact is Katie Hardin.

SUMMARY: All test results were negative.

If you have questions, please call our toll free number at 1-800-669-0825 or e-mail us at radil@missouri.edu.

Technical Review. Top 11/6/08
 QC Review: 8/25/08
 CN49730E

Case Number: 17355-2008

Page 2

SEROLOGY:

		1	2	3	4	5	6	7	8	9	10
LCM	MFI (> 500)	-	-	-	-	-	-	-	-	-	-
<i>M. pulmonis</i>	MFI (> 2,485)	-	-	-	-	-	-	-	-	-	-
Parvo NS-1	MFI (> 4,095)	-	-	-	-	-	-	-	-	-	-
H1	MFI (> 2,940)	-	-	-	-	-	-	-	-	-	-
KRV	MFI (> 2,915)	-	-	-	-	-	-	-	-	-	-
RMV	MFI (> 1,225)	-	-	-	-	-	-	-	-	-	-
RPV	MFI (> 1,200)	-	-	-	-	-	-	-	-	-	-
PVM	MFI (> 325)	-	-	-	-	-	-	-	-	-	-
RCV/SDAV	MFI (> 2,610)	-	-	-	-	-	-	-	-	-	-
REO3	MFI (> 1,250)	-	-	-	-	-	-	-	-	-	-
RTV	MFI (> 2,400)	-	-	-	-	-	-	-	-	-	-
TMEV GDVII	MFI (> 2,280)	-	-	-	-	-	-	-	-	-	-
Sendai	MFI (> 1,665)	-	-	-	-	-	-	-	-	-	-

(LEGEND: * = borderline + = positive - = negative blank = test not performed C = cell antigen reactor EQ = equivocal HE = hemolysis precluded testing I = insufficient INC = inconclusive finding NA = non-specific adherence NF = non-specific fluorescence NH = non-specific hemagglutination NR = sample not received NT = not tested S = suspect TC = tissue culture reactive W = weak positive WB = Western Blot confirmatory analysis pending)

Positive MFI results are reported as "+" followed by a number from 1 to 33 in thousands rounded off to the nearest thousand.

Comments: Please refrain from using any kind of transparent tape or Parafilm to secure labels or caps to vials; neither will detach under shipping conditions (unless vials and caps are mismatched). We must remove all such materials from vials before we can process your samples using our robotic serum dispenser.



RADIL

ADDENDUM to
FINAL REPORT OF LABORATORY EXAMINATION
MU Research Animal Diagnostic Laboratory
 4011 Discovery Drive, Columbia MO 65201 1-800-669-0825 1-573-882-5983
 radil@missouri.edu www.radil.missouri.edu

CASE NUMBER: 17355-2008

RECEIVED ON: 8/22/2008

COMPLETED ON: 8/25/2008

ADDENDUM DATED: 9/9/2008

SUBMITTED BY:

Katherine M. Hardin
 Battelle Memorial Institute
 505 King Ave. Room 7120
 Columbus, OH 43201
 (614) 424-6328
 [614] 458-6328 (fax)

SEROLOGY:

		1	2	3	4	5	6	7	8	9	10
CAR bacillus	MFI (> 2,210)	-	-	-	-	-	-	-	-	-	-
<i>E. cuniculi</i>	MFI (> 1,360)	-	-	-	-	-	-	-	-	-	-
Hantaan	MFI (> 1,200)	-	-	-	-	-	-	-	-	-	-
MAD 1	MFI (> 2,780)	-	-	-	-	-	-	-	-	-	-
MAD 2	MFI (> 3,000)	-	-	-	-	-	-	-	-	-	-

LEGEND: * = borderline + = positive - = negative blank = test not performed C = cell antigen
 factor EQ = equivocal HE = hemolysis precluded testing I = insufficient INC = inconclusive
 binding NA = non-specific adherence NF = non-specific fluorescence NH = non-specific
 hemagglutination NR = sample not received NT = not tested S = suspect TC = tissue culture
 reactive W = weak positive WB = Western Blot confirmatory analysis pending)

Positive MFI results are reported as "+" followed by a number from 1 to 33 in thousands rounded
 off to the nearest thousand.

**If you have questions, please call our toll free number at 1-800-669-0825 or e-mail us at
 radil@missouri.edu.**



**ADDENDUM to
FINAL REPORT OF LABORATORY EXAMINATION
MU Research Animal Diagnostic Laboratory
4011 Discovery Drive, Columbia MO 65201 1-800-669-0825 1-573-882-5983
radil@missouri.edu www.radil.missouri.edu**

CASE NUMBER: 22752-2008

RECEIVED ON: 12/4/2008

COMPLETED ON: 12/5/2008

ADDENDUM DATED: 12/12/2008

SUBMITTED BY:

Katherine M. Hardin
Battelle Memorial Institute
505 King Ave. Room 7120
Columbus, OH 43201
(614) 424-6328
[614] 458-6328 (fax)

CN49730E

SEROLOGY:

		1	2	3	4	5
CAR bacillus	MFI (> 2,210)	-	-	-	-	-
<i>E. cuniculi</i>	MFI (> 1,360)	-	-	-	-	-
Hantaan	MFI (> 1,200)	-	-	-	-	-
LCM	MFI (> 500)	-	-	-	-	-
MAD 1	MFI (> 2,780)	-	-	-	-	-
MAD 2	MFI (> 3,000)	-	-	-	-	-
REO3	MFI (> 1,250)	-	-	-	-	-

(LEGEND: * = borderline + = positive - = negative blank = test not performed C = cell antigen reactor EQ = equivocal HE = hemolysis precluded testing I = insufficient INC = inconclusive finding NA = non-specific adherence NF = non-specific fluorescence NH = non-specific hemagglutination NR = sample not received NT = not tested S = suspect TC = tissue culture reactive W = weak positive WB = Western Blot confirmatory analysis pending)

Positive MFI results are reported as "+" followed by a number from 1 to 33 in thousands rounded off to the nearest thousand.

If you have questions, please call our toll free number at 1-800-669-0825 or e-mail us at radil@missouri.edu.

~~Reviewed~~ Technical Review
TOP 1/6/09 word changed
TOP 2/24/09

QC Review: 8/8 2-12-09



FINAL REPORT OF LABORATORY EXAMINATION
MU Research Animal Diagnostic Laboratory
4011 Discovery Drive, Columbia MO 65201 1-800-669-0825 1-573-882-5983
radil@missouri.edu www.radil.missouri.edu

CASE NUMBER: 22752-2008

RECEIVED ON: 12/4/2008

COMPLETED ON: 12/5/2008

SUBMITTED BY:

Katherine M. Hardin
Battelle Memorial Institute
505 King Ave. Room 7120
Columbus, OH 43201
(614) 424-6328
[614] 458-6328 (fax)

CN49730E

SPECIMEN DESCRIPTION:

SPECIES: rat
DESCRIPTION: serum samples, diluted
NUMBER OF SPECIMENS: 5
FACILITY CODE: COM

PURCHASE ORDER #: V103399000

ID	Client ID	Investigator	Room #	Sex
1	CN49730E-901	D. Fallacara	7C-074	♂
2	CN49730E-902	↓	↓	♂
3	CN49730E-903	↓	↓	♂
4	CN49730E-904	↓	↓	♂
5	CN49730E-905	D. Fallacara	7C-074	♂

TESTS PERFORMED: Clinical Serology Profile - rat

Serologic evaluation for antibodies to: H1, KRV, *M. pulmonis*, Parvo NS-1, PVM, RCV/SDAV, RMV, RPV, RTV, Sendai, TMEV GDVII

SUMMARY: All test results were negative.

If you have questions, please call our toll free number at 1-800-669-0825 or e-mail us at radil@missouri.edu.

Additional information added 02/03/09 by
Technical Review TAP 2/4/09
See addendum for additional tests + results TAP 2/4/09

QC Review: MB 2-12-09

Case Number: 22752-2008

Page 2

SEROLOGY:

		1	2	3	4	5
<i>M. pulmonis</i>	MFI (> 2,485)	-	-	-	-	-
Parvo NS-1	MFI (> 4,095)	-	-	-	-	-
H1	MFI (> 2,940)	-	-	-	-	-
KRV	MFI (> 2,915)	-	-	-	-	-
RMV	MFI (> 1,225)	-	-	-	-	-
RPV	MFI (> 1,200)	-	-	-	-	-
PVM	MFI (> 325)	-	-	-	-	-
RCV/SDAV	MFI (> 2,610)	-	-	-	-	-
RTV	MFI (> 2,400)	-	-	-	-	-
TMEV GDVII	MFI (> 2,280)	-	-	-	-	-
Sendai	MFI (> 1,665)	-	-	-	-	-

(LEGEND: * = borderline + = positive - = negative blank = test not performed C = cell antigen reactor EQ = equivocal HE = hemolysis precluded testing I = insufficient INC = inconclusive finding NA = non-specific adherence NF = non-specific fluorescence NH = non-specific hemagglutination NR = sample not received NT = not tested S = suspect TC = tissue culture reactive W = weak positive WB = Western Blot confirmatory analysis pending)

Positive MFI results are reported as "+" followed by a number from 1 to 33 in thousands rounded off to the nearest thousand.



FINAL REPORT OF LABORATORY EXAMINATION
MU Research Animal Diagnostic Laboratory
 4011 Discovery Drive, Columbia MO 65201 1-800-669-0825 1-573-882-5983
 radil@missouri.edu www.radil.missouri.edu

CASE NUMBER: 23263-2008

RECEIVED ON: 12/11/2008

COMPLETED ON: 12/12/2008

SUBMITTED BY:

Katherine M. Hardin
 Battelle Memorial Institute
 505 King Ave. Room 7120
 Columbus, OH 43201
 (614) 424-6328
 [614] 458-6328 (fax)

CN49730E

SPECIMEN DESCRIPTION:

SPECIES: rat
DESCRIPTION: serum samples, diluted
NUMBER OF SPECIMENS: 5
FACILITY CODE: COM

PURCHASE ORDER #: V103399000760

ID	Client ID	Investigator	Room #	Sex
1	CN49730E-951	D. Fallacara	7C-074	F
2	CN49730E-952	D. Fallacara	↓ ⊙	↓ ⊙
3	CN49730E-953	D. Fallacara		
4	CN49730E-954	D. Fallacara	↓ 7C-074	↓ F
5	CN49730E-955	D. Fallacara		

TESTS PERFORMED: Battelle Special Rat Serology

Serologic evaluation for antibodies to: CAR bacillus, *E. cuniculi*, H1, Hantaan, KRV, LCM, MAD 1, MAD 2, *M. pulmonis*, Parvo NS-1, PVM, RCV/SDAV, REO3, RMV, RPV, RTV, Sendai, TMEV GDVII

SUMMARY: All test results were negative.

If you have questions, please call our toll free number at 1-800-669-0825 or e-mail us at radil@missouri.edu.

① Addition information added 02/02/09 K4

Technical Review
 TOP 2/4/09

QC Review: BAS 2-12-09

Case Number: 23263-2008

Page 2

SEROLOGY:

		1	2	3	4	5
CAR bacillus	MFI (> 2,210)	-	-	-	-	-
<i>E. cuniculi</i>	MFI (> 1,360)	-	-	-	-	-
Hantaan	MFI (> 1,200)	-	-	-	-	-
LCM	MFI (> 500)	-	-	-	-	-
<i>M. pulmonis</i>	MFI (> 2,485)	-	-	-	-	-
MAD 1	MFI (> 2,780)	-	-	-	-	-
MAD 2	MFI (> 3,000)	-	-	-	-	-
Parvo NS-1	MFI (> 4,095)	-	-	-	-	-
H1	MFI (> 2,940)	-	-	-	-	-
KRV	MFI (> 2,915)	-	-	-	-	-
RMV	MFI (> 1,225)	-	-	-	-	-
RPV	MFI (> 1,200)	-	-	-	-	-
PVM	MFI (> 325)	-	-	-	-	-
RCV/SDAV	MFI (> 2,610)	-	-	-	-	-
REO3	MFI (> 1,250)	-	-	-	-	-
RTV	MFI (> 2,400)	-	-	-	-	-
TMEV GDVII	MFI (> 2,280)	-	-	-	-	-
Sendai	MFI (> 1,665)	-	-	-	-	-

(LEGEND: * = borderline + = positive - = negative blank = test not performed C = cell antigen reactor EQ = equivocal HE = hemolysis precluded testing I = insufficient INC = inconclusive finding NA = non-specific adherence NF = non-specific fluorescence NH = non-specific hemagglutination NR = sample not received NT = not tested S = suspect TC = tissue culture reactive W = weak positive WB = Western Blot confirmatory analysis pending)

Positive MFI results are reported as "+" followed by a number from 1 to 33 in thousands rounded off to the nearest thousand.