

AMENDED FINAL REPORT

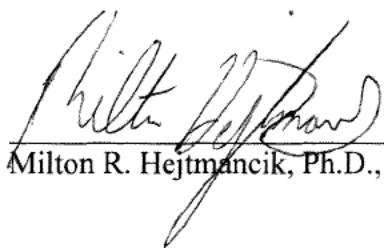
**90-DAY REPEATED DOSE SUBCHRONIC TOXICITY STUDY OF TOBACCO
BLEND AND AQUEOUS TOBACCO EXTRACT IN CD-1 MICE**

**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 CD-1 Mice

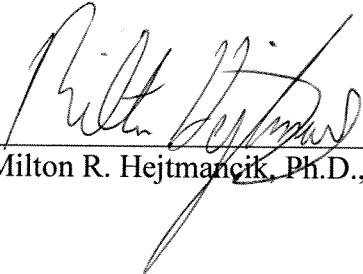
Battelle Study Number CN49730F

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

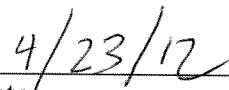
1. Pages 12, 12a, and 13, Tables 2 through 4 have been revised and footnotes have been added.

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.



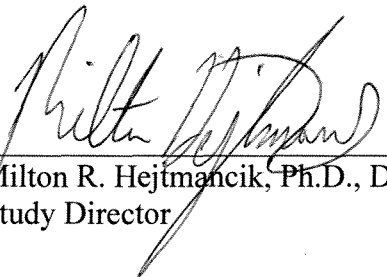
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Date

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	08/26-27/2008	08/27/2008
Dispensing	08/26-27/2008	08/27/2008
Sample weights	08/26-27/2008	08/27/2008
Formulation analysis	08/26/2008	08/27/2008
Ophthalmic examinations	09/02/2008	09/02/2008
Animal room inspection	09/05/2008	09/05/2008
Group assignment	09/05/2008	09/05/2008
Test system identification	09/05/2008	09/05/2008
Body weights	09/10/2008	09/10/2008
Clinical observations	09/10/2008	09/10/2008
Dispensing	09/10/2008	09/10/2008
Food consumption measurements	09/10/2008	09/10/2008
Test article administration - dosed feed	09/10/2008	09/10/2008
Anesthetization	09/23/2008	09/23/2008
Blood collection	09/23/2008	09/23/2008
Centrifugation	09/23/2008	09/23/2008
Sample aliquoting	09/23/2008	09/23/2008
Protocol amendment review	09/23/2008	09/23/2008
Plasma analysis	09/24-25/2008	09/26/2008
Plasma analysis	09/29/2008	09/30/2008
Audit study file	10/13/2008	10/13/2008
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
Audit study file	11/25/2008	11/25/2008
Body weights	12/09/2008	12/10/2008
Clinical observations	12/09/2008	12/10/2008
Blood collection	12/09/2008	12/10/2008
Clinical lab blood processing/analysis	12/09/2008	12/10/2008
Fasting	12/09/2008	12/10/2008
Humane termination	12/09/2008	12/10/2008
Necropsy/tissue collection	12/09/2008	12/10/2008
Organ weights	12/09/2008	12/10/2008
Urinalysis	12/09/2008	12/10/2008
Body weights	12/10/2008	12/10/2008
Clinical observations	12/10/2008	12/10/2008
Urine collection	12/10/2008	12/10/2008

Phase Inspected	Date Inspected	Date Reported to Study Director and Management
Protocol amendment review	12/10/2008	12/10/2008
Audit study file	12/12/2008	12/12/2008
Specimen processing	12/29/2008	12/30/2008
Audit study file	12/30/2008	12/30/2008
Microscopic evaluation	01/05/2009	01/06/2009
Audit study file	01/12/2009	01/12/2009
Audit study file	01/23/2009	01/23/2009
Audit study file	01/27/2009	01/27/2009
Protocol amendment review	02/16/2009	02/16/2009
Audit analytical report	02/20/2009	02/20/2009
Audit draft analytical report	03/26/2009	03/26/2009
Audit study file	03/26/2009	03/26/2009
Audit study file	04/10/2009	04/10/2009
Audit study file	05/29/2009	05/29/2009
Audit study file	06/05/2009	06/05/2009
Audit draft final report	06/26/2009	06/26/2009
Audit study file	07/30/2009	07/30/2009
Audit final report	08/28/2009	08/28/2009
Audit amended final report	04/12/2012	04/12/2012


 4-20-12
Quality Assurance Unit Date
Battelle

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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 examination of tissue from selected groups. Toxicokinetic evaluations of plasma for nicotine and cotinine were performed on Weeks 3, 5, 9, and 14 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 CD-1 Mice

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	120	NT120M	NT120F
3 - Tobacco Blend Low Dose	6	B6M	B6F
4 - Tobacco Blend Intermediate Dose	60	B60M	B60F
5 - Tobacco Blend High Dose	120	B120M	B120F
6 - Tobacco Extract Low Dose	6	E6M	E6F
7 - Tobacco Extract Intermediate Dose	60	E60M	E60F
8 - Tobacco Extract High Dose	120	E120M	E120F

a. BW = Body weight.

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

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

Table 2. Consumption Parameters for 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)
B6M	6	0.005	0.030	36	1370	0.14	26.28	228
B60M	60	0.005	0.030	360	13698	1.37	26.28	2283
B120M	120	0.005	0.030	720	27397	2.74	26.28	4566
B6F	6	0.005	0.020	24	913	0.09	26.28	228
B60F	60	0.005	0.020	240	9132	0.91	26.28	2283
B120F	120	0.005	0.020	480	18264	1.83	26.28	4566
E6M	6	0.005	0.030	36	1566	0.16	22.99	261
E60M	60	0.005	0.030	360	15659	1.57	22.99	2610
E120M	120	0.005	0.030	720	31318	3.13	22.99	5220
E6F	6	0.005	0.020	24	1044	0.10	22.99	261
E60F	60	0.005	0.020	240	10439	1.04	22.99	2610
E120F	120	0.005	0.020	480	20879	2.09	22.99	5220
NT120M	120	0.005	0.030	720	2052	0.21	2.85	342
NT120F	120	0.005	0.020	480	1368	0.14	2.85	342

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 Preparations for 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)
B6M	6	0.005	0.035	42	1598	0.16	26.28	228
B60M	60	0.005	0.035	420	15981	1.60	26.28	2283
B120M	120	0.005	0.035	840	31963	3.20	26.28	4566
B6F	6	0.005	0.025	30	1142	0.11	26.28	228
B60F	60	0.005	0.025	300	11415	1.14	26.28	2283
B120F	120	0.005	0.025	600	22831	2.28	26.28	4566
E6M	6	0.005	0.035	42	1827	0.18	22.99	261
E60M	60	0.005	0.035	420	18269	1.83	22.99	2610
E120M	120	0.005	0.035	840	36537	3.65	22.99	5220
E6F	6	0.005	0.025	30	1305	0.13	22.99	261
E60F	60	0.005	0.025	300	13049	1.30	22.99	2610
E120F	120	0.005	0.025	600	26098	2.61	22.99	5220
NT120M	120	0.005	0.035	840	2394	0.24	2.85	342
NT120F	120	0.005	0.025	600	1710	0.17	2.85	342

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 for 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)
B6M	6	0.005	0.040	48	1826	0.18	26.28	228
B60M	60	0.005	0.040	480	18264	1.83	26.28	2283
B120M	120	0.005	0.040	960	36529	3.65	26.28	4566
B6F	6	0.005	0.030	36	1370	0.14	26.28	228
B60F	60	0.005	0.030	360	13698	1.37	26.28	2283
B120F	120	0.005	0.030	720	27397	2.74	26.28	4566
E6M	6	0.005	0.040	48	2088	0.21	22.99	261
E60M	60	0.005	0.040	480	20879	2.09	22.99	2610
E120M	120	0.005	0.040	960	41757	4.18	22.99	5220
E6F	6	0.005	0.030	36	1566	0.16	22.99	261
E60F	60	0.005	0.030	360	15659	1.57	22.99	2610
E120F	120	0.005	0.030	720	31318	3.13	22.99	5220
NT120M	120	0.005	0.040	960	2736	0.27	2.85	342
NT120F	120	0.005	0.030	720	2052	0.21	2.85	342

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 the subchronic toxicity of a tobacco blend and aqueous tobacco extract in comparison to the nicotine tartrate positive control and diet negative control in CD-1 mice. Plasma was analyzed at Weeks 3, 5, 9, and 14 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 9, 2008 and ended with final necropsy on December 12, 2008.

2.0 EXPERIMENTAL DESIGN

Four hundred ninety male and female mice were randomized into eight dose groups and one group of sentinels. 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 examination of tissues from selected groups. Toxicokinetic evaluations of nicotine tartrate, tobacco blend, and aqueous tobacco extract groups were performed at Weeks 3, 5, 9, and 14. The general study design is listed below.

Group	Target Dosage of Nicotine (mg/kg BW ^a /day)	Number of Mice			
		Males		Females	
		Core	TK ^b	Core	TK ^b
1 - Control	0	20	10	20	10
2 - Nicotine Tartrate High Dose	120	20	10	20	10
3 - Tobacco Blend Low Dose	6	20	10	20	10
4 - Tobacco Blend Intermediate Dose	60	20	10	20	10
5 - Tobacco Blend High Dose	120	20	10	20	10
6 - Tobacco Extract Low Dose	6	20	10	20	10
7 - Tobacco Extract Intermediate Dose	60	20	10	20	10
8 - Tobacco Extract High Dose	120	20	10	20	10

a. BW = Body weight.

b. Nicotine/cotinine plasma 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 in 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 upon the anticipated food consumption in and body weight changes of CD-1 mice 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. Stability of formulations was 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 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 CD-1 mice 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 mice were approximately four to five weeks of age at animal receipt and ranged in body weight from approximately 20 to 32 grams at Day 1 of the study. Mice were housed in Room 7C-068.

The mouse was chosen as the test system because considerable scientific documentation of the mouse 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 mice were housed in individual cages and female mice were housed up to 4 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 and water bottles. The water supply was monitored under Battelle SOPs. Water samples from Room 7C-068 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 also 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, the mice 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	121-130	151-170	171-180
2	201-220	221-230	251-270	271-280
3	301-320	321-330	351-370	371-380
4	401-420	421-430	451-470	471-480
5	501-520	521-530	551-570	571-580
6	601-620	621-630	651-670	671-680
7	701-720	721-730	751-770	771-780
8	801-820	821-830	851-870	871-880
9	901-905	--	951-955	--

3.6 Experimental Design

Mice 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, selected organ weights, and microscopic examination of tissues from 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 mice prior to group assignment and on all core animals at weekly intervals. A final detailed clinical examination was conducted on each core study mouse 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. 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 each core study animal 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 study animals according to facility SOP by a staff veterinarian prior to group assignment. Exams were repeated near the termination of the study for core study animals, excluding sentinels. A mydriatic was used for ophthalmic exams.

3.11 Toxicokinetic Blood Collections (TK Animals)

Ten mice/sex were included in each dose group for determinations of plasma nicotine and cotinine concentrations. The methodology for plasma nicotine and cotinine concentrations was validated under design form CN49730A-BIOVAL.

Blood sampling occurred on each Tuesday (males) and Wednesday (females) of Weeks 3, 5, 9, and 14 (study termination). Samples were collected at a target time point of 10:00 AM based upon results from the 28-day toxicokinetic study. The data from the four sampling periods were used to evaluate dose proportionality and nicotine metabolism by sex and group.

Toxicokinetic mice were anesthetized with CO₂/O₂ and blood was collected retro-orbitally into tubes containing potassium EDTA as the anti-coagulant. The minimum quantity of blood required to yield 100 µL of plasma for analysis was collected at each time period using techniques 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 each blood collection, the animal was placed back in its home cage supplied with feed and water. These animals were euthanized at the termination of the study with no further data collected.

3.12 Clinical Pathology (Core Animals)

Clinical chemistry and hematology assessments were performed on all surviving core study mice on the day of their scheduled necropsy. Core study mice were divided into two groups for clinical pathology blood collections. Blood from approximately half the animals were used in hematology analysis and blood from the remaining half were used for clinical chemistry. Blood samples were collected under CO₂/O₂ anesthesia from the retro-orbital sinus for hematology and serum chemistry determinations. 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.

3.12.1 Clinical Chemistry

Clinical chemistries measured or calculated were as follows (listed in the 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)	

3.12.2 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)

3.12.3 Urinalysis

Up to five mice/sex/group were placed into metabolism cages for urine collection. Water, but no food, was provided to the animals. Urine was collected overnight according to facility SOPs.

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

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

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 using CO₂. 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% neutral buffered formalin (NBF), with the exception of testes, which were preserved in Bouin's fixative and subsequently transferred to 70% ethanol, and eyes with optic nerve which was fixed in Davidson's fixative and subsequently transferred to 10% 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)
Eye (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 mice euthanized at scheduled necropsy.

Organs Weighed at Necropsy

Brain	Prostate
Epididymides ^a	Spleen
Heart	Testes (without epididymides) ^a
Kidneys ^a	Thymus
Liver with gall bladder ^b	Salivary glands (mandibular)
Lungs	Uterus (with cervix)

a. Paired organs weighed together.

b. Gall bladder opened and bile drained before weighing.

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 mice 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 as performed according to facility SOP.

3.16 Computer Systems for Data Management

Computer System Name	Version #	Manufacturer	Data Type
Analyst	1.4.1 or 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 will be 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 three formulations which had average percent relative errors greater than 10%. One formulation was discarded and a new batch prepared; two had averages RE's of 11.9 and 12.8% but were approved by the Sponsor.

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 for grand percent RSD (RSDs were less than 10%). REs were all more than 10% above target, suggesting the nicotine content of this test article may exceed the labeled concentration.

4.1.2 Post-Dosing

Post-dosing (animal room) formulations met the criteria for concentration (% relative error [RE] within 10% of target; RSD less than or equal to 10%) and in general, were lower than predose concentrations with the exception of three concentrations (RSD of 10.9% for 913 mg/kg TB, RE of -12.6% for 9132 mg/kg TB, and RE of -20.6% for 1368 mg/kg NT (see [Appendix E](#)).

4.2 Mortality

No mortality occurred during the 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 male dosage groups (Table 5) included hunched posture (CM, NT120M, B6M, and B60M groups); rough coat (CM, B6M, B60M); swelling or tissue mass, genitalia (CM, NT120M, and E120M); abrasion or ulceration, tail (NT120M, E60M); thin appearance (B60M); and eye opacity (E120M). Clinical signs in the female dosage groups (Table 6) included lethargy (CF and B60F); ulceration and/or abrasion, tail (CF, NT120F, B60F, B120F, E6F, E60F, and E120F); discoloration or tissue mass, genitalia (NT120F, B120F, and E60F); and abrasion, foot (E120F). These abnormalities 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 mice are included in Tables 7 and 8, respectively. Treatment with the test articles and positive control resulted in a significant reduction in the group mean body weight in the NT120M, B60M, B120M, E60M and E120M groups of 13.3, 7.1, 13.8, 7.1, and 14.5%, respectively, relative to control (CM) on Study Day 91. The corresponding NT120M, B60M, B120M, E60M, and E120M toxicokinetic study groups also showed reductions in group mean body weight relative to control (CM) of 5.9, 0.5, 9.4, 2.7, and 7.5, respectively, but these groups contained only ten mice 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 NT120F, B60F, B120F, and E120F groups of 10.1, 7.4, 6.1, and 10.1%, respectively, relative to control (CF) on Study Day 91 (Table 8). The NT120F, B60F, B120F, E60F, and E120F toxicokinetic study groups also showed reductions in group mean body weight relative to their control group (CF) of 11.3, 9.3, 13.8, 10.6, and 8.7%, respectively, on Study Day 91 (Table 10).

The group mean absolute body weights are also included for core study male and female mouse groups in Figures 1 and 2 for tobacco blend (TB) and nicotine tartrate (NT) mice and in Figures 3 and 4 for core study male and female mouse groups exposed to tobacco extract

(TE) mice and NT, respectively. The group mean absolute body weights are also shown for the toxicokinetic male and female mouse groups in [Figures 5 and 6](#) for TB and NT and in [Figures 7 and 8](#) for toxicokinetic male and female study mice 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 mouse groups exposed to TB and NT and in [Figures 11 and 12](#) for male and female core study mice exposed to TE and NT, respectively. The absolute body weight gain is included in [Figures 13 and 14](#) for the toxicokinetic group male and female mice exposed to TB and NT and in [Figures 15 and 16](#) for the toxicokinetic group male and female mice exposed to TE and NT, respectively. The percent body weight gain is shown in [Figures 17 and 18](#) for male and female core mice exposed to TB and NT and in [Figures 19 and 20](#) for male and female core study mice exposed to TE and NT, respectively. The percent body weight gain is included in [Figures 21 and 22](#) for male and female toxicokinetic study mice exposed to TB and NT and in [Figures 23 and 24](#) in male and female toxicokinetic study mice exposed to TE and NT, respectively.

4.5 Food Consumption

The mean food consumption for the core male and female mouse dosage groups are included in [Tables 11 and 12](#), respectively. The mean food consumption for male and female mice is also shown in [Figures 25 and 26](#) for TB and NT mice and in [Figures 27 and 28](#) for TE and NT mice, respectively. The NT120M, B60M, B120M, and E120M dosage groups showed food consumption values that were depressed 21.2, 9.6, 17.3, and 13.5%, respectively, relative to control ([Table 11](#)). The NT120F, B120F, and E120F dosage groups showed food consumption values that were depressed 17.1, 12.2, and 9.8 %, 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 during Study Weeks 3, 5, 9, and 14 (study termination) at a target time of 10:00 AM from five mice/sex/dosage group (designated as toxicokinetic study animals) for the determination of plasma nicotine and cotinine concentrations. The 10:00 AM bleed time was determined from the previous 28-day toxicity study in mice (Battelle Study No. CN49730D).

Evaluation of C_{\max} values on Weeks 3, 5, 9, and 14 showed a gender effect as both nicotine and cotinine concentrations were consistently lower in females than in males. Nicotine and cotinine values for male and female mice at the lower exposure levels of both formulations (B6 and E6) were generally lower than what would be expected based on the C_{\max} values measured for the mid and high exposure levels. This finding is believed to be attributed to a first pass effect since the nicotine concentrations were generally low or unmeasurable but the cotinine concentrations were fully measurable. At the low dosed-feed concentrations, it is also possible that some interference in absorption occurred. This combination of first pass metabolism and reduced absorption may explain the less than proportional systemic exposure of nicotine and cotinine.

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 with an increase in dose for both the tobacco blend and tobacco extract groups, but there was no consistency in whether the increase was proportional or greater than proportional. 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.

Most C_{\max} values were similar for Week 3, 5, 9, and 14 when compared for each dose group and gender, suggesting no induction of nicotine or cotinine metabolism occurred. There was a slight trend of increased C_{\max} values from Week 3 through Week 14.

Exposure of male and female mice to NT120, B120, and E120 produced 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. However, the B120F and E120F groups increased in group mean nicotine and cotinine C_{\max} over time. There was no consistent change in group mean C_{\max} over time for the B120M or E120M groups for nicotine or cotinine over the course of the study.

4.7 Clinical Pathology

4.7.1 Hematology

Group mean hematology data are presented in [Table 13](#) for male mice and [Table 14](#) for female mice. Group mean absolute white blood cell differential count data are included in [Table 15](#) for male mice and [Table 16](#) for female mice. 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 the administrations of NT, TB, or TE.

4.7.2 Clinical Chemistry

Group mean serum chemistry data are included in [Table 17](#) for male mice and in [Table 18](#) for female mice. 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 19](#) for male mice and in [Table 20](#) for female mice. Urinalysis data for individual animals are included in [Table 21](#) for male mice and [Table 22](#) for female mice. Individual animal urine sediment data is included in [Table 23](#) for male mice and [Table 24](#) for female mice.

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 conducted pre-test and again near the end of the study is included in [Appendix G](#). Corneal crystals were noted in the eyes of several mice 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 25](#) for male mice and [Table 26](#) for female mice. Group mean terminal body weights and organ to body weight values are included in [Table 27](#) for male mice and [Table 28](#) for female mice. Group mean absolute

brain weights and organ to brain weight values are included in [Table 29](#) for male mice and [Table 30](#) for female rats.

The higher exposure male groups (NT120M, B60M, B120M, E60M, and E120M) showed a decrease in absolute organ weight ([Table 25](#)) relative to control (CM) for the heart, kidneys, liver, epididymides, and salivary gland. The NT120M, B120M, and E120M dosage groups also showed a decrease in absolute brain weight. The higher exposure female dosage groups showed less consistent decreases ([Table 26](#)) in absolute organ weight relative to control (CF) for the heart (E120F), kidneys (NT120F and E120F), liver (NT120F and E120F), salivary gland (B120F and E120F), and lung (NT120F).

The terminal body weights of the NT120M, B60M, B120M, E60M, and E120M dosage groups ([Table 27](#)) were significantly decreased relative to the CM group by 16.4, 8.4, 17.3, 9.2, and 17.3%, respectively. The terminal body weights of the NT120F, B60F, B120F, and E120F dosage groups ([Table 28](#)) were significantly decreased relative to the CF group by 10.4, 8.5, 7.8, and 10.4%, 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 relative to control for the brain in the NT120M, B60M, B120M, E60M, and E120M groups ([Table 27](#)); for brain in the NT120F and E120F groups ([Table 28](#)); and uterus in the NT120F dosage group.

The group mean absolute brain weight and organ to brain weight values are included in [Table 29](#) for males and in [Table 30](#) for females. For the male dosage groups ([Table 29](#)), a decrease in the organ to brain weight values relative to control occurred in heart (NT120M, B60M, B120M, and E120M groups), kidneys (NT120M, B60M, B120M, E60M, and E120M groups), liver (NT120M, B60M, B120M, and E120M groups), and salivary gland (NT120M, B60M, B120M, E60M, and E120M groups). Changes in organ to brain weight were sporadic in the female dosage groups ([Table 30](#)) and included decreases (relative to CF) in kidneys (E120F), liver (NT120F), and salivary gland (E120F).

The changes in absolute and relative body weights did not have a microscopic correlate and have been attributed to decreased terminal body weights.

4.10 Gross Lesions

All core mice 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) findings, when present, were recorded electronically using the PATH/TOX SYSTEM (Xybion Medical Systems Corporation). Tissues listed in the study protocol were processed into slides for CM, CF, NT120M, NT120F, B120M, B120F, E120M, and E120F dosage groups. Additionally, the gross lesions of the jejunum found in mouse No. 608 in the E6M dosage group and also in mouse No. 755 from the E60F dosage group were processed and examined microscopically.

A few gross findings were observed in mice at necropsy. Nodules of the tail and discoloration of the lymph nodes were noted and associated with tail tattooing for identification. All other gross lesions occurred sporadically and were consistent with spontaneously findings frequently noted in untreated laboratory mice. Thus, all gross findings were interpreted to be incidental and unrelated to the administration of NT, TB, or TE.

4.11 Histopathology

Microscopic lesions were graded semi-quantitatively according to the following scale, with the associated numerical score used to calculate average severity grades for each lesion by group and sex. Minimal (Grade 1) represented the least detectable lesion; mild (Grade 2) represented an easily discernible lesion unlikely to have any biological relevance; moderate (Grade 3) represented a change affecting a large area of the represented tissue that has the potential to be of some relevance; and marked (Grade 4) represented a lesion that approached maximal. The incidence summary of all microscopic observations are included in [Table 31](#) for male mice and [Table 32](#) for female mice. The incidence summary of microscopic non-neoplastic graded observations with average severity is included in [Table 33](#) for male mice and [Table 34](#) for female mice. None of the microscopic findings of this study were interpreted to be due to the administration of NT, TB, or TE.

4.12 Pathology Conclusions

Exposure of CD-1 male and female mice to various concentrations of NT, TB, and TE by dosed feed at target levels as high as 120 mg/kg/day of nicotine for at least 90 days resulted in significantly decreased weight gains in the groups given target doses of 60 and 120 mg/kg nicotine (NT120M, NT120F, B60M, B60F, B120M, B120F, E60M, E60F, E120M, and E120F). However, no additional adverse effects were noted in organ weight, gross pathology and microscopic pathology results, suggesting that decreased body weight gains related to decreased diet palatability was well tolerated.

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 NT120M, B60M, B120M, E60M, and E120M dosage groups showed reductions in group mean body weight of 13.3, 7.1, 13.8, 7.1, and 14.5 % relative to that of their respective control group. The NT120F, B60F, B120F, and E120F dosage groups showed reductions of 10.1, 7.4, 6.1, and 10.1% relative to that of their respective control group. The reduction in body weight gain generally correlated with reduced food consumption in these dosage groups. In spite of the small exposure related reductions in food consumption, the C_{\max} values increased accordingly with an increase in the exposure level for both the TB and TE dosage groups. Toxicokinetic studies showed a gender effect as both nicotine and cotinine concentrations were consistently lower in the female dosage groups compared to the male dosage groups.

Clinical pathology studies included hematology, clinical chemistry, and urinalysis and 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.

6.0 SPECIMEN STORAGE AND RECORD ARCHIVES

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

The final report, study files, records, wet tissues, slides, and archival samples 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
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Michael J. Ryan, D.V.M., Ph.D., D.A.B.T., Diplomate, A.C.V.P.	Study Pathologist, Clinical Pathologist
Daphne V. Vasconcelos, D.V.M., Ph.D., D.A.B.T., Diplomate, A.C.V.P.	Manager Pathology
Brian Burback, Ph.D.	Chemist
Edward A. Psurny, 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

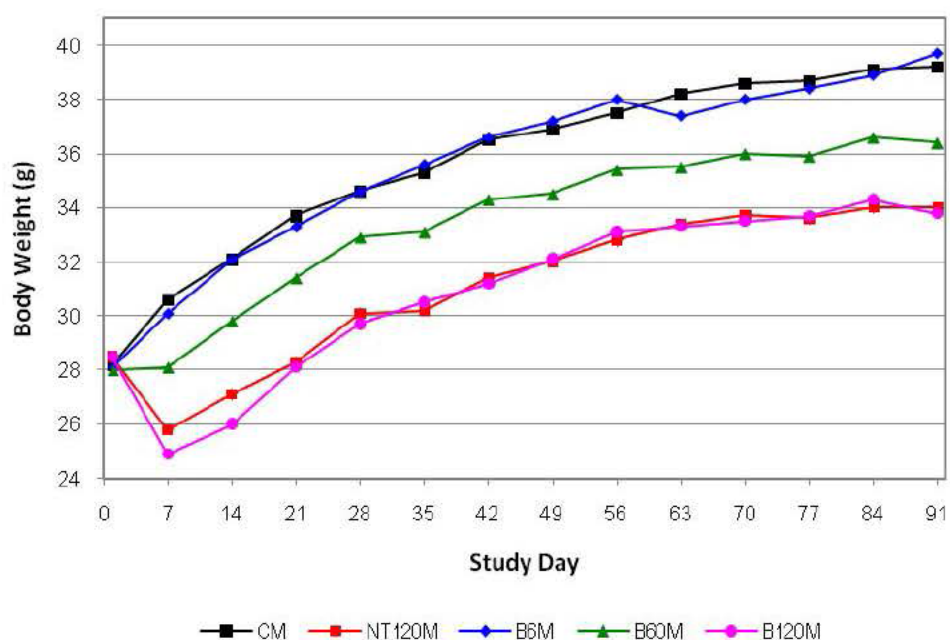


Figure 1. Group Mean Absolute Body Weights (g) Tobacco Blend and Nicotine Tartrate – Males

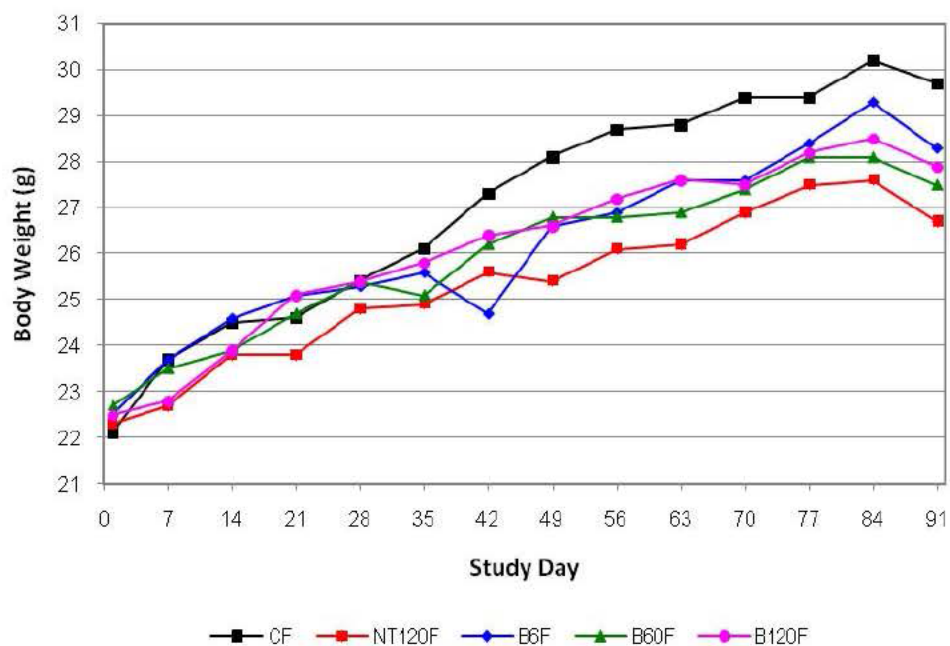


Figure 2. Group Mean Absolute Body Weights (g) Tobacco Blend and Nicotine Tartrate – Females

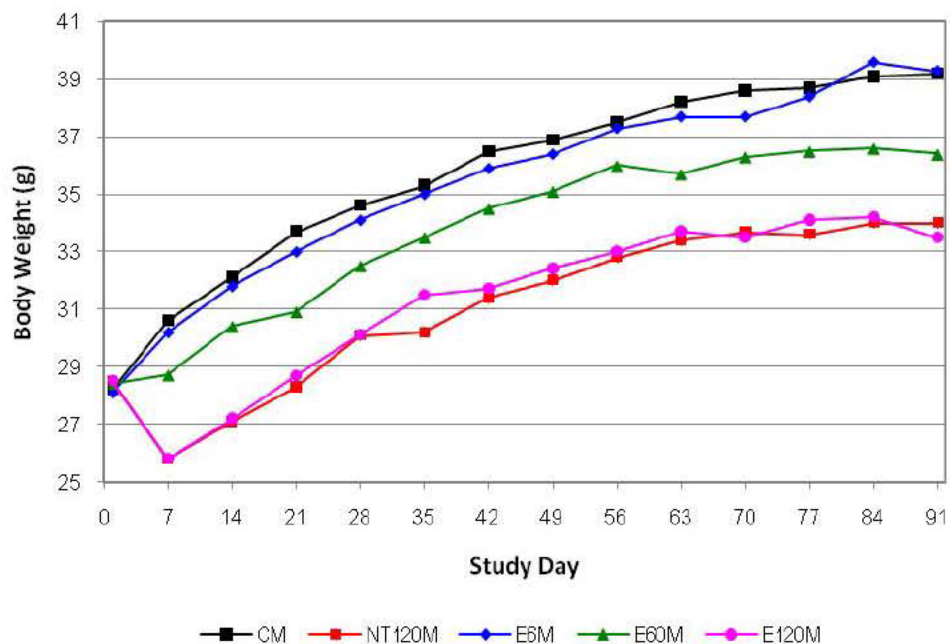


Figure 3. Group Mean Absolute Body Weights (g) Tobacco Extract and Nicotine Tartrate – Males

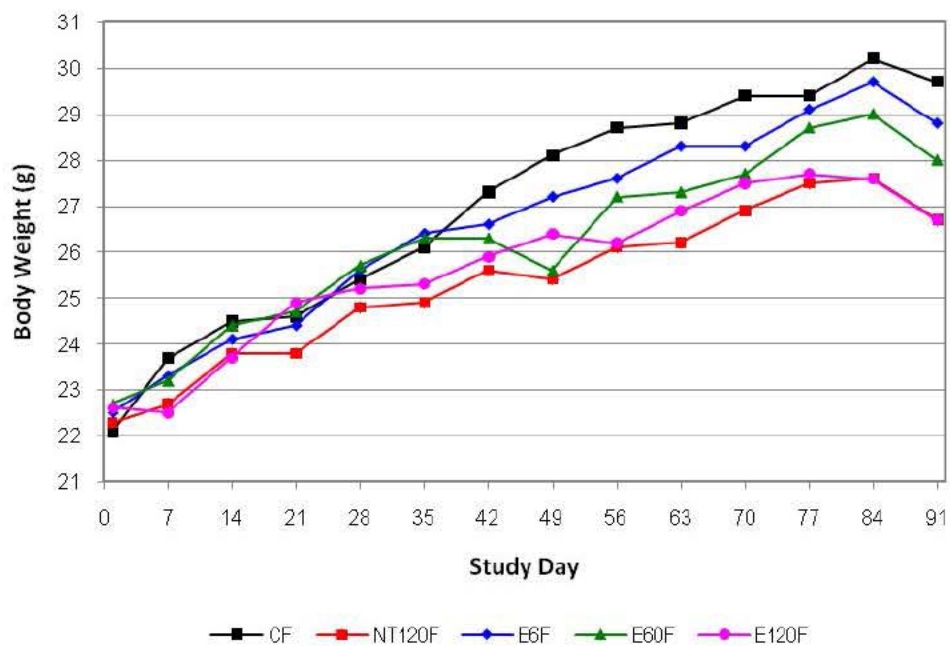


Figure 4. Group Mean Absolute Body Weights (g) Tobacco Extract and Nicotine Tartrate – Females

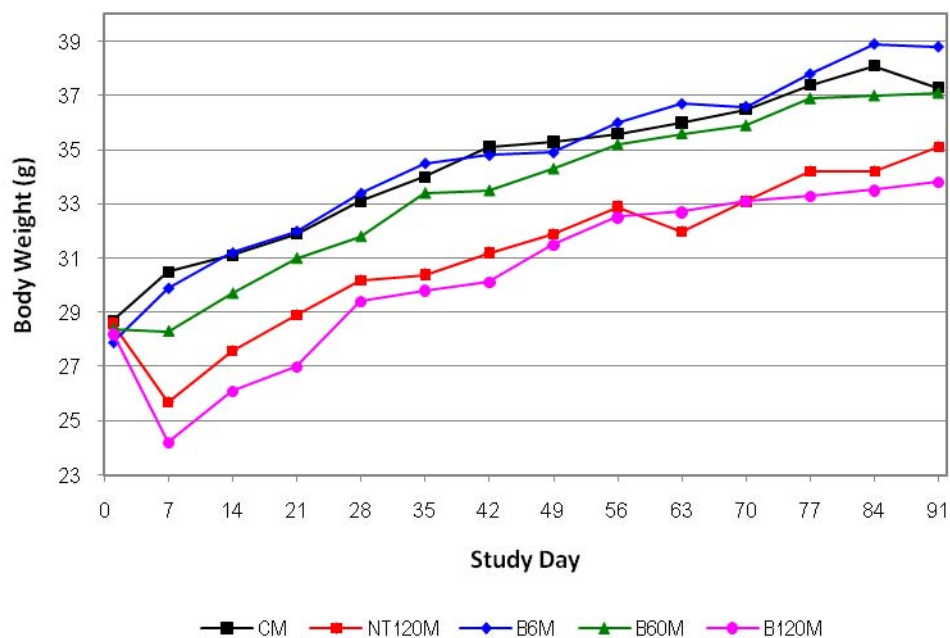


Figure 5. TK Group Mean Absolute Body Weights (g) Tobacco Blend and Nicotine Tartrate – Males

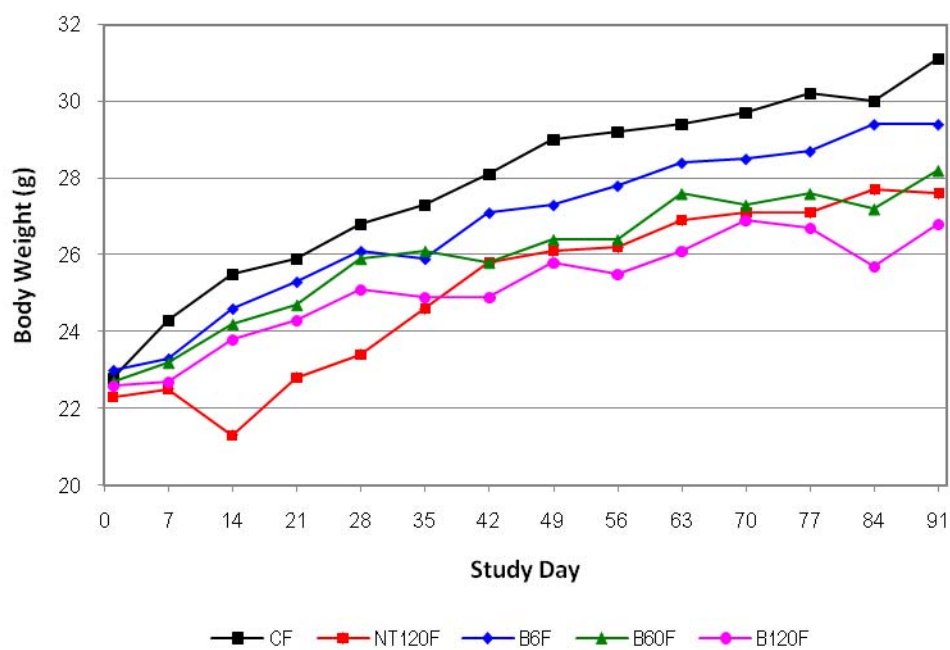


Figure 6. TK Group Mean Absolute Body Weights (g) Tobacco Blend and Nicotine Tartrate – Females

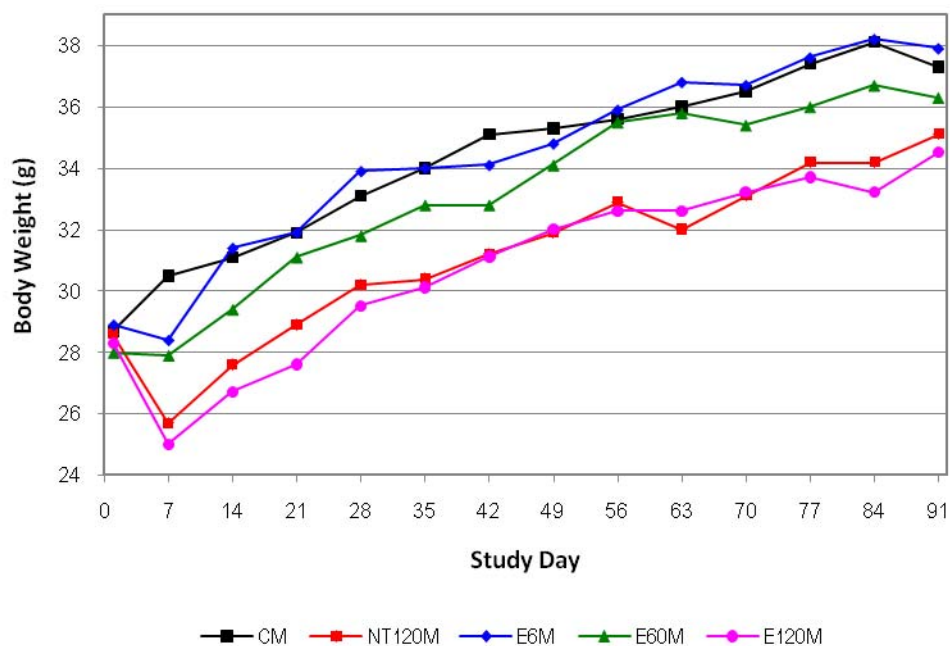


Figure 7. TK Group Mean Absolute Body Weights (g) Tobacco Extract and Nicotine Tartrate – Males

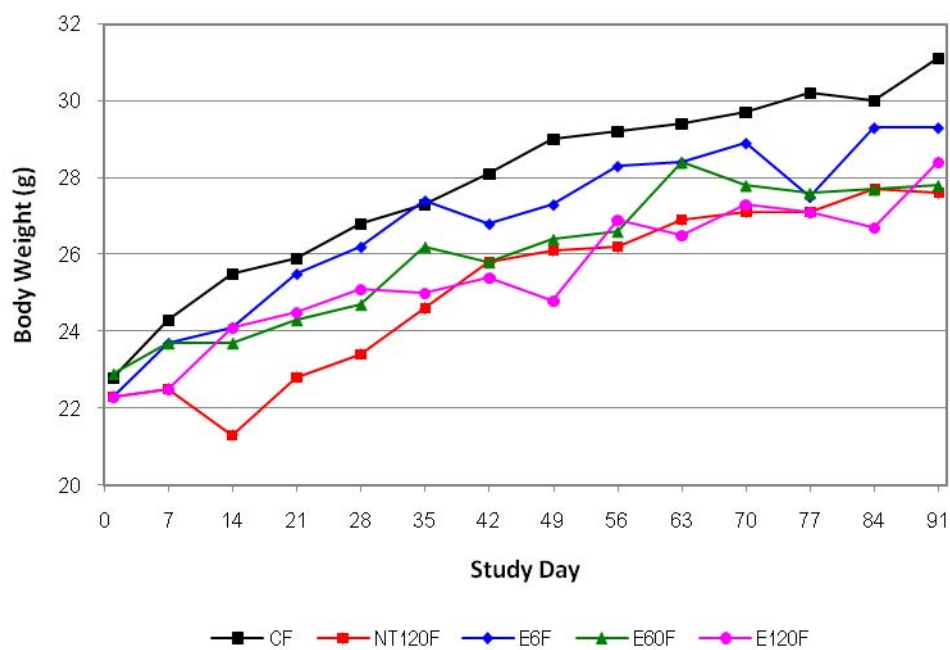


Figure 8. TK Group Mean Absolute Body Weights (g) Tobacco Extract and Nicotine Tartrate – Females

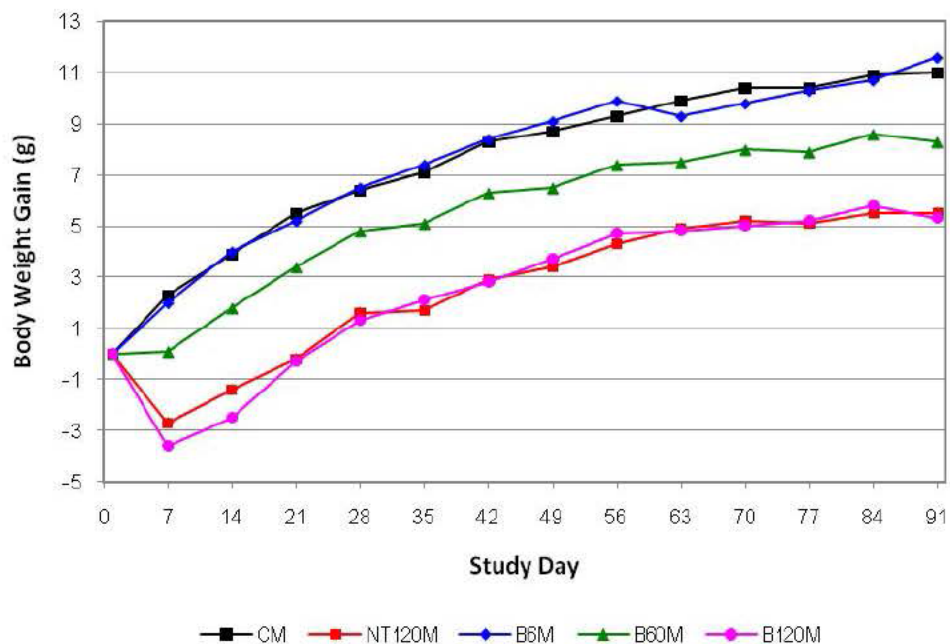


Figure 9. Group Mean Absolute Body Weight Gain (g) Tobacco Blend and Nicotine Tartrate – Males

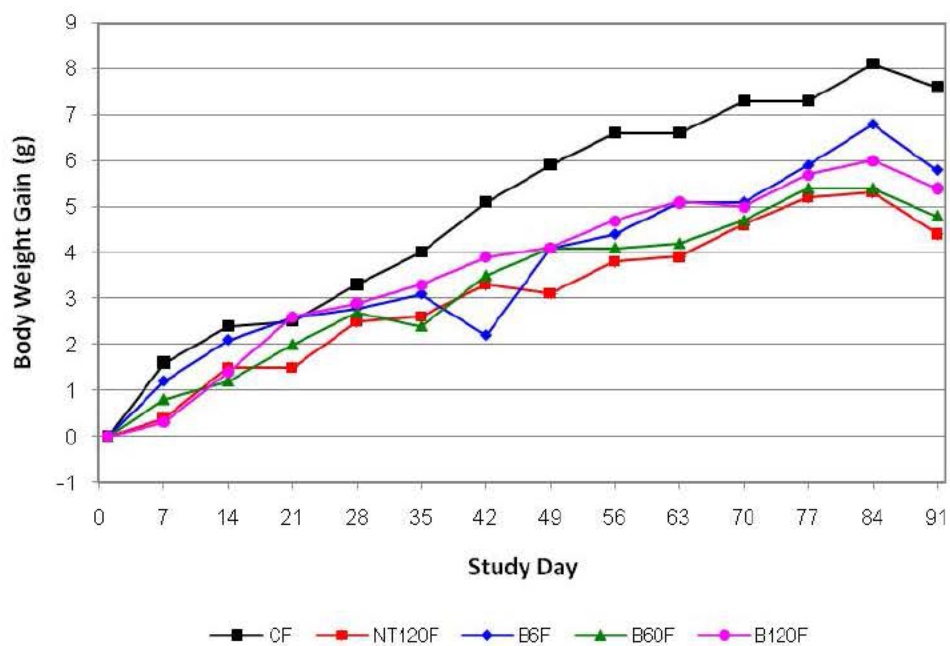


Figure 10. Group Mean Absolute Body Weight Gain (g) Tobacco Blend and Nicotine Tartrate – Females

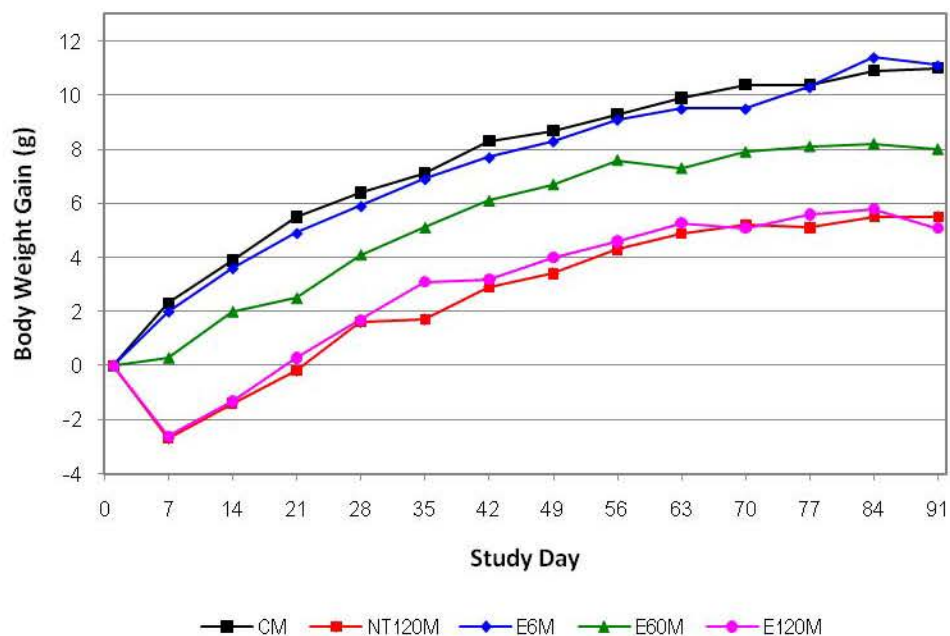


Figure 11. Group Mean Absolute Body Weight Gain (g) Tobacco Extract and Nicotine Tartrate – Males

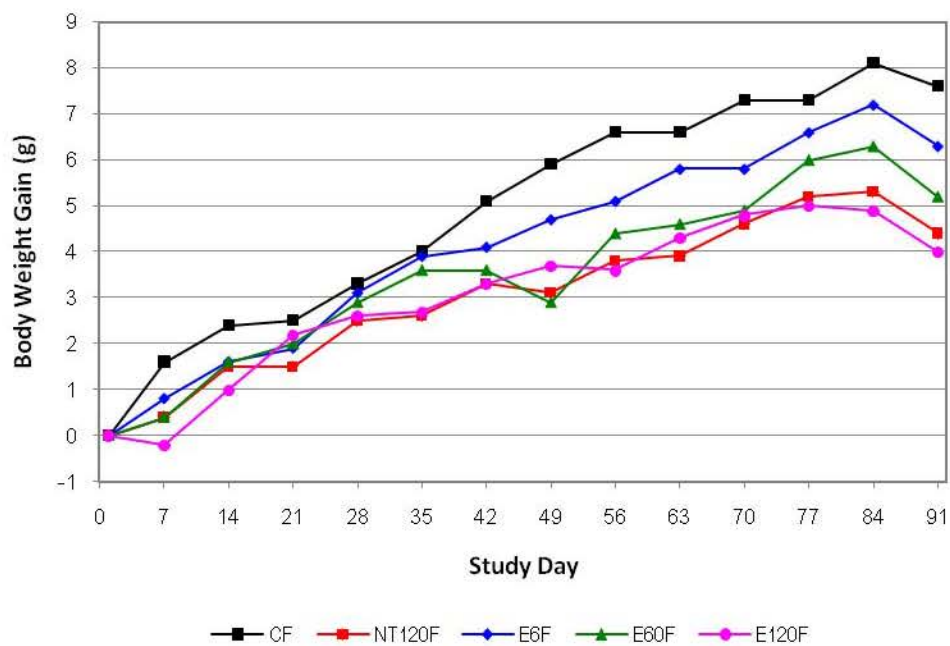


Figure 12. Group Mean Absolute Body Weight Gain (g) Tobacco Extract and Nicotine Tartrate – Females

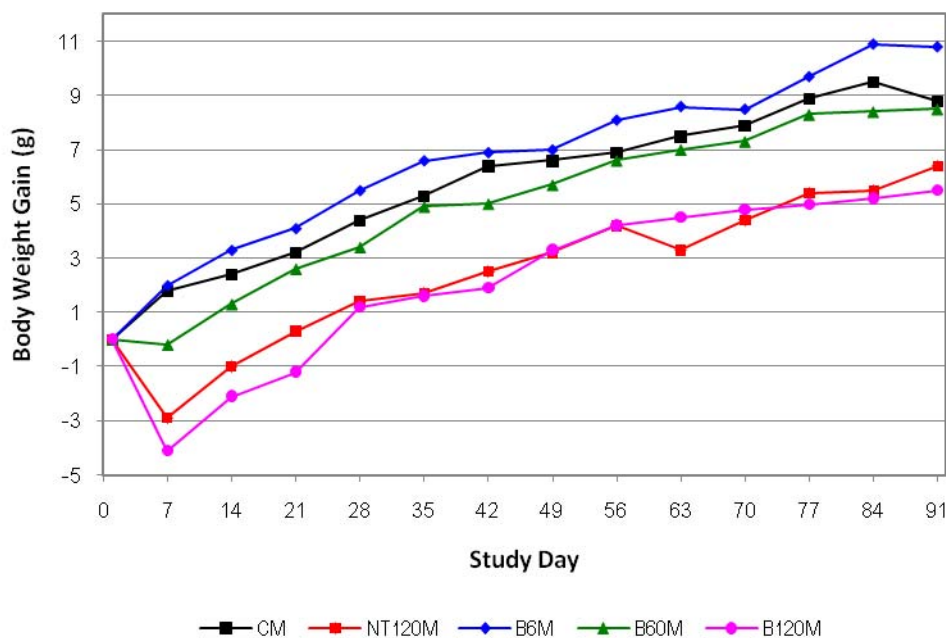


Figure 13. TK Group Mean Absolute Body Weight Gain (g) Tobacco Blend and Nicotine Tartrate – Males

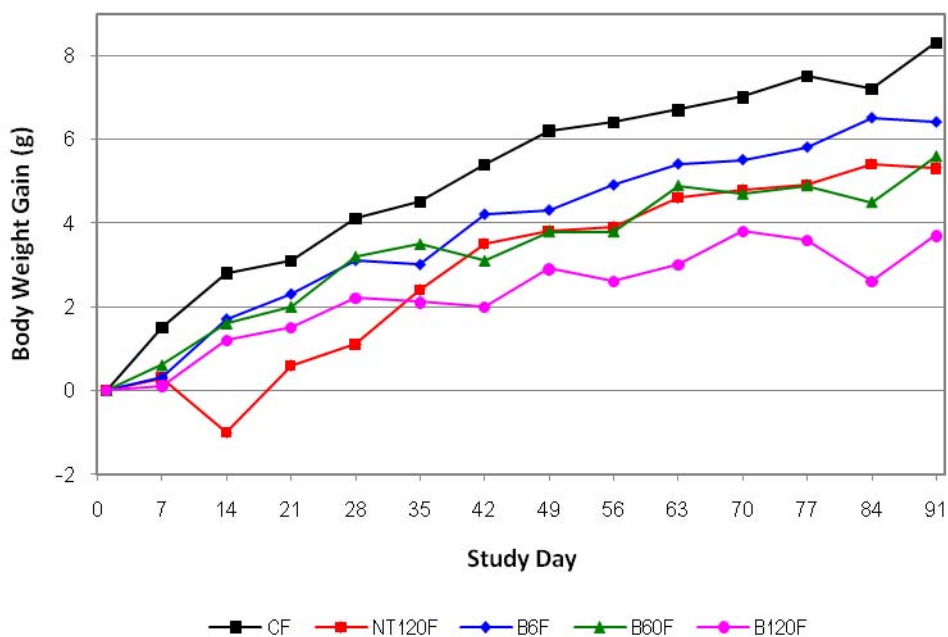


Figure 14. TK Group Mean Absolute Body Weight Gain (g) Tobacco Blend and Nicotine Tartrate – Females

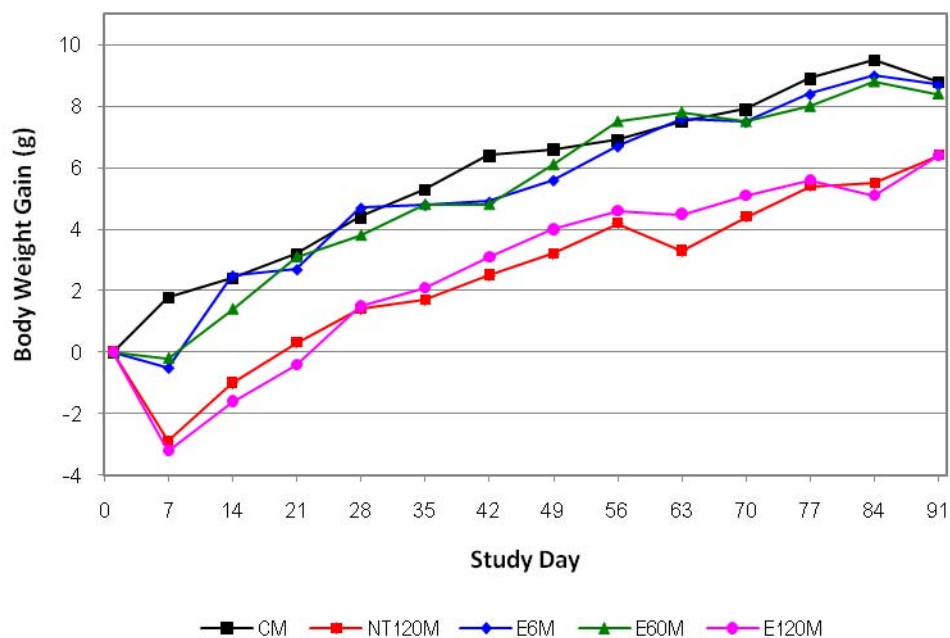


Figure 15. TK Group Mean Absolute Body Weight Gain (g) Tobacco Extract and Nicotine Tartrate – Males

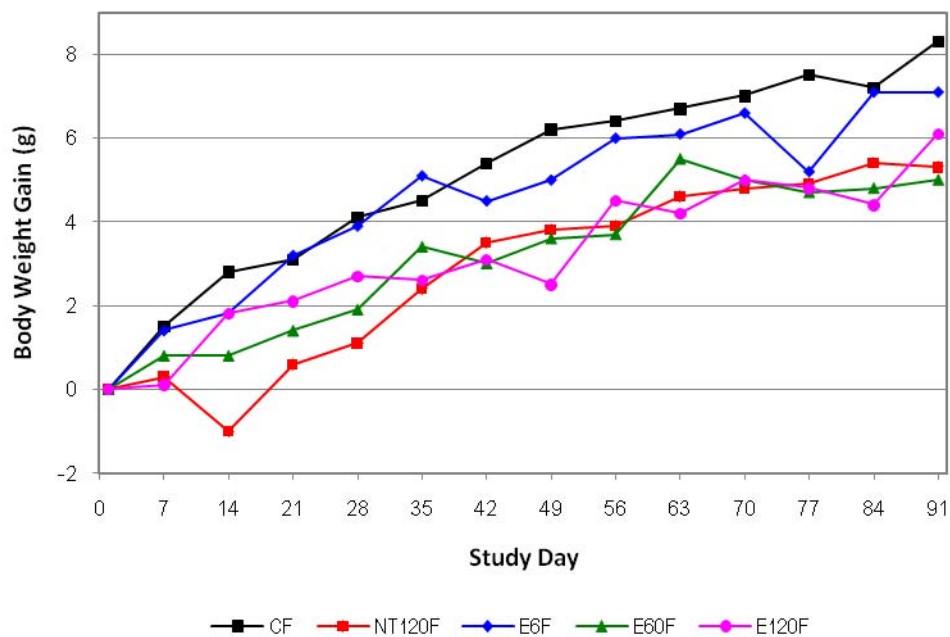


Figure 16. TK Group Mean Absolute Body Weight Gain (g) Tobacco Extract and Nicotine Tartrate – Females

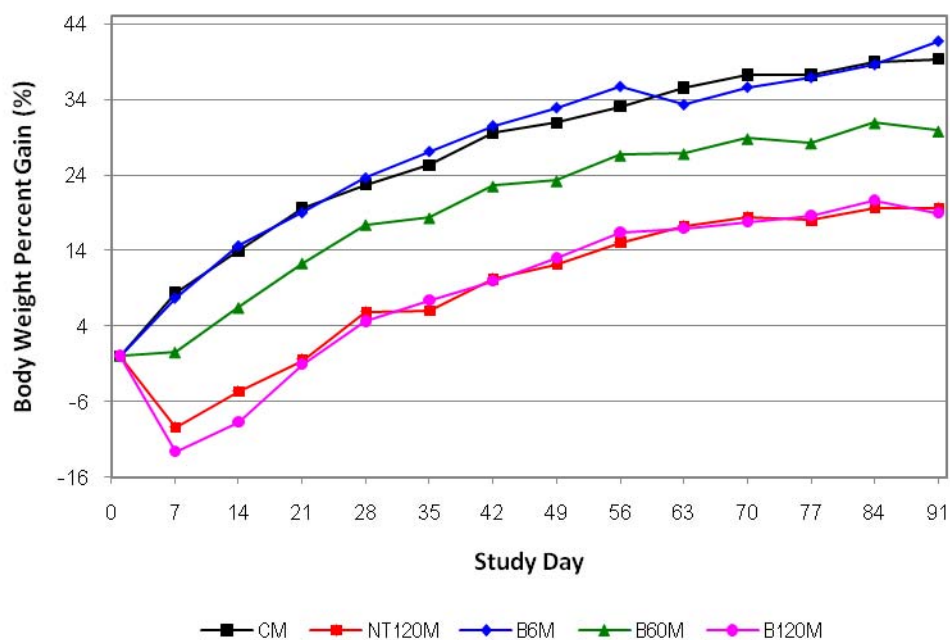


Figure 17. Percent (%) Body Weight Gain (g) Tobacco Blend and Nicotine Tartrate – Males

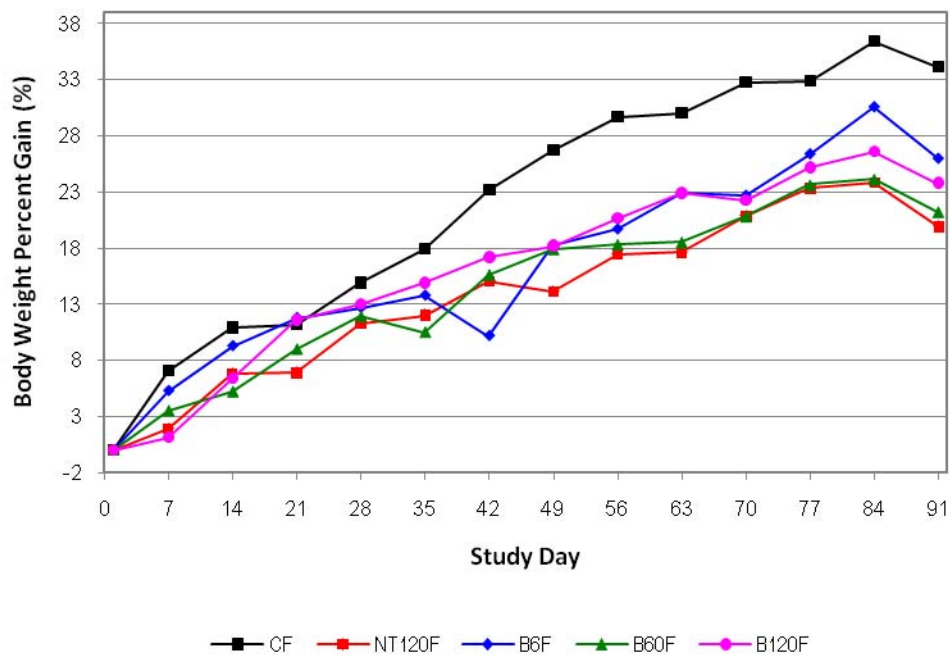


Figure 18. Percent (%) Body Weight Gain (g) Tobacco Blend and Nicotine Tartrate – Females

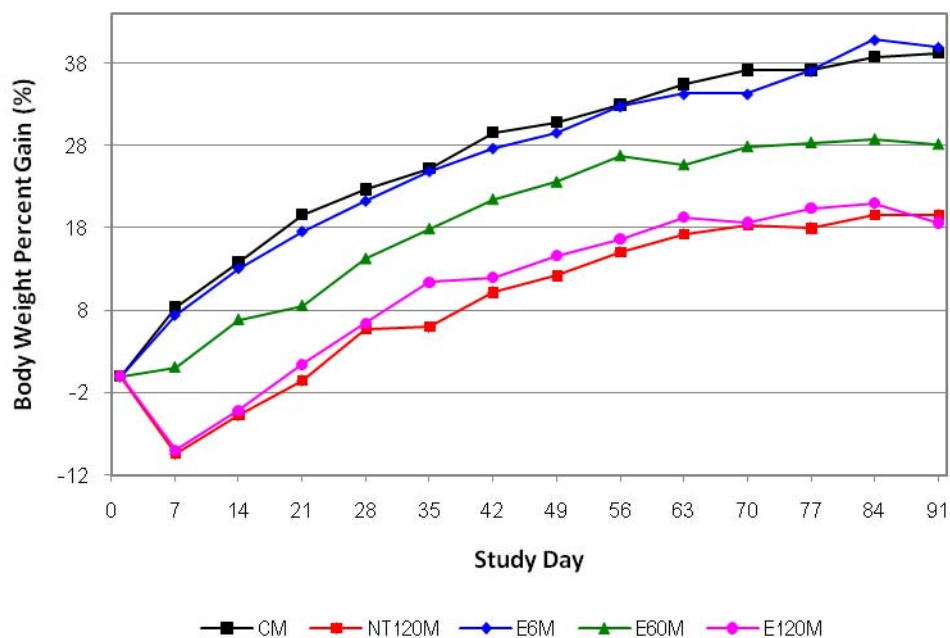


Figure 19. Percent (%) Body Weight Gain (g) Tobacco Extract and Nicotine Tartrate – Males

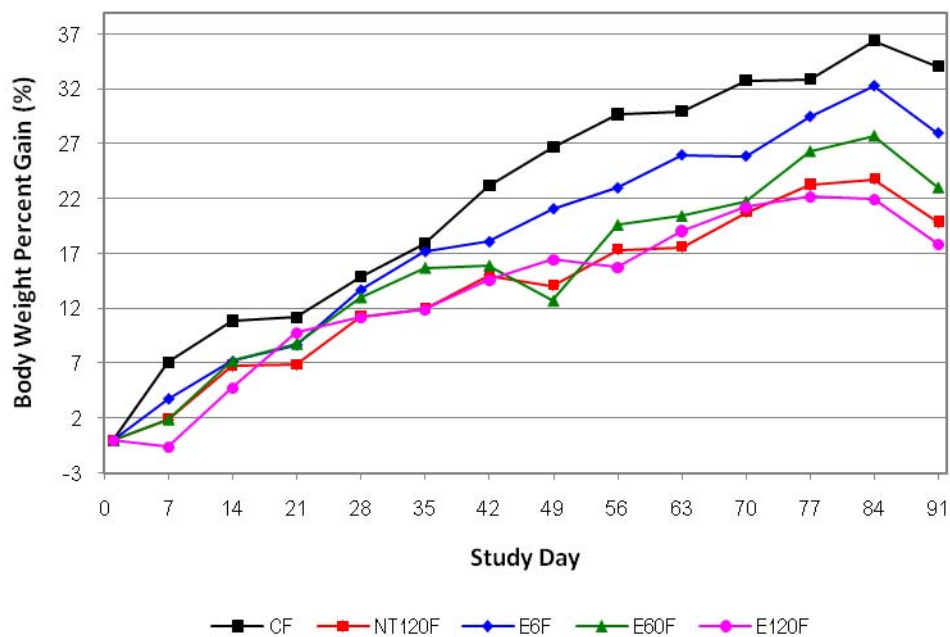


Figure 20. Percent (%) Body Weight Gain (g) Tobacco Extract and Nicotine Tartrate – Females

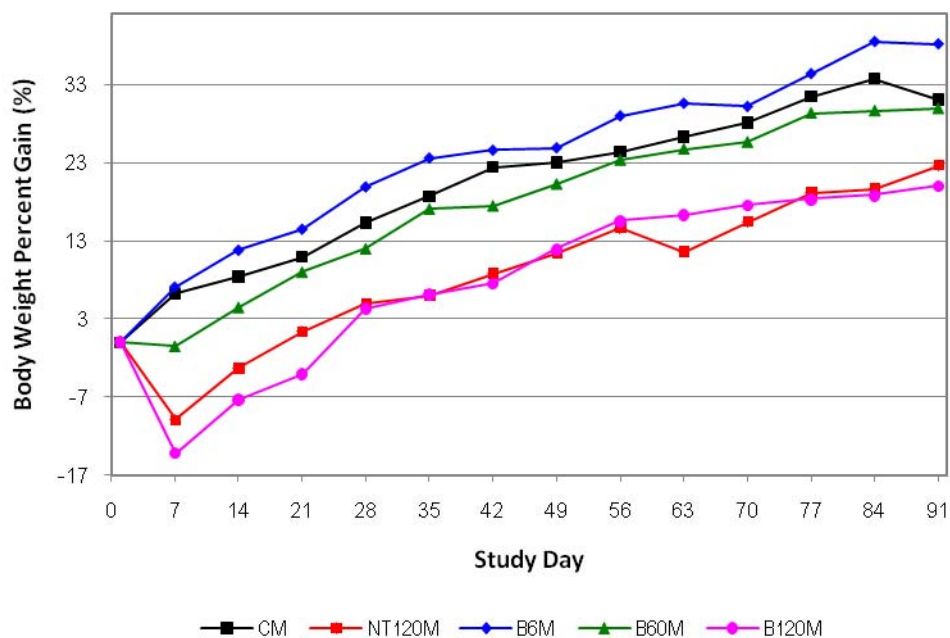


Figure 21. TK Percent (%) Body Weight Gain (g) Tobacco Blend and Nicotine Tartrate – Males

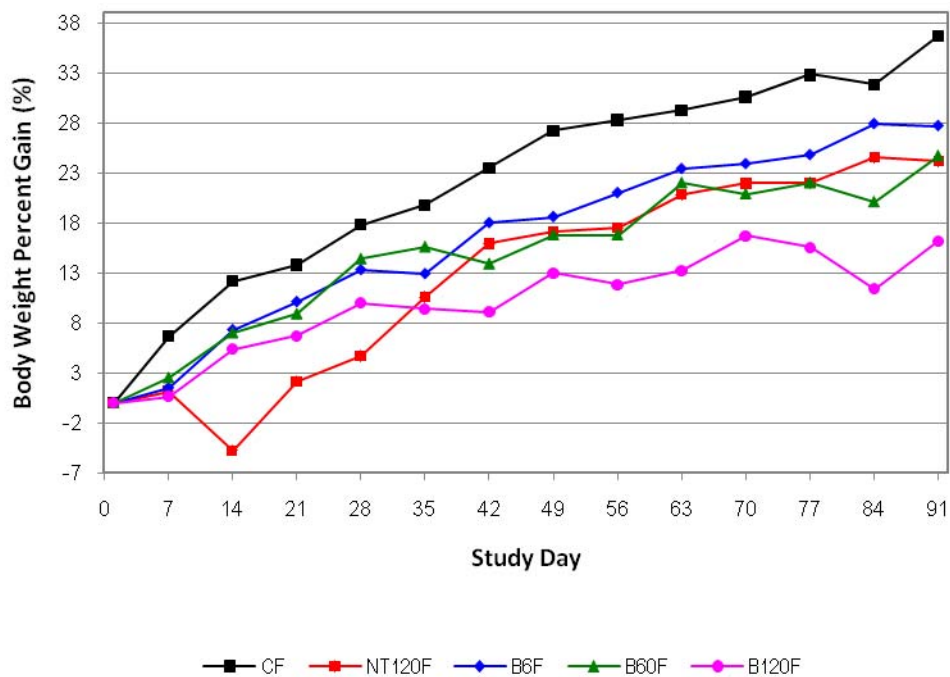


Figure 22. TK Percent (%) Body Weight Gain (g) Tobacco Blend and Nicotine Tartrate – Females

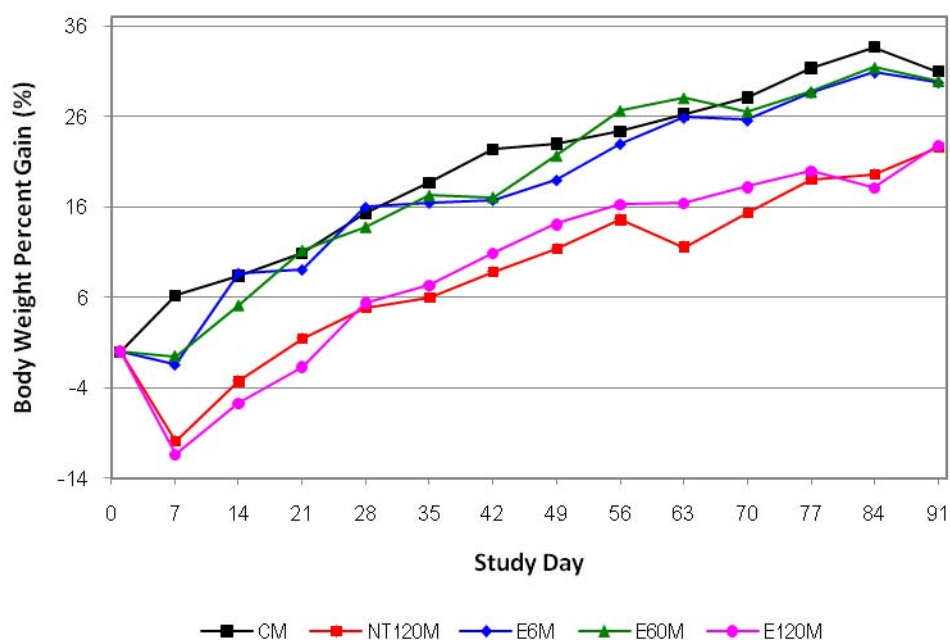


Figure 23. TK Percent (%) Body Weight Gain (g) Tobacco Extract and Nicotine Tartrate – Males

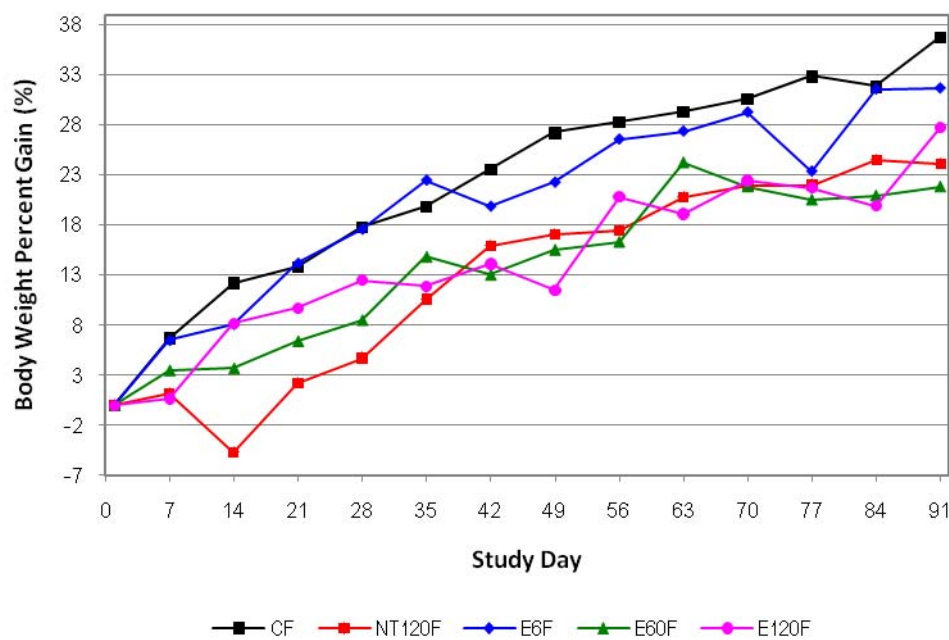


Figure 24. TK Percent (%) Body Weight Gain (g) Tobacco Extract and Nicotine Tartrate – Females

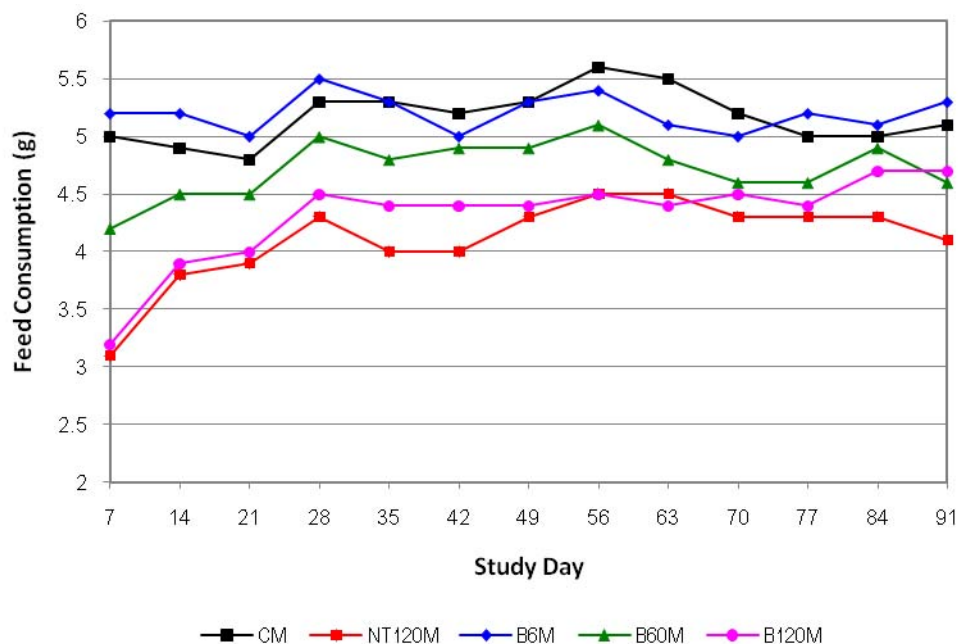


Figure 25. Average Feed Consumption (g) per Day Tobacco Blend and Nicotine Tartrate – Males

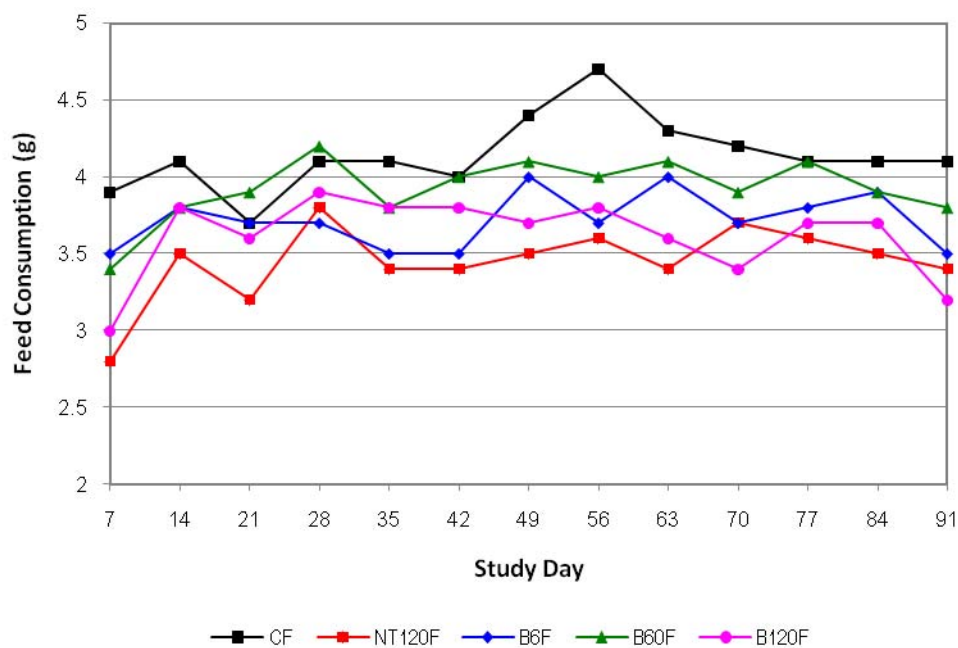


Figure 26. Average Feed Consumption (g) per Day Tobacco Blend and Nicotine Tartrate – Females

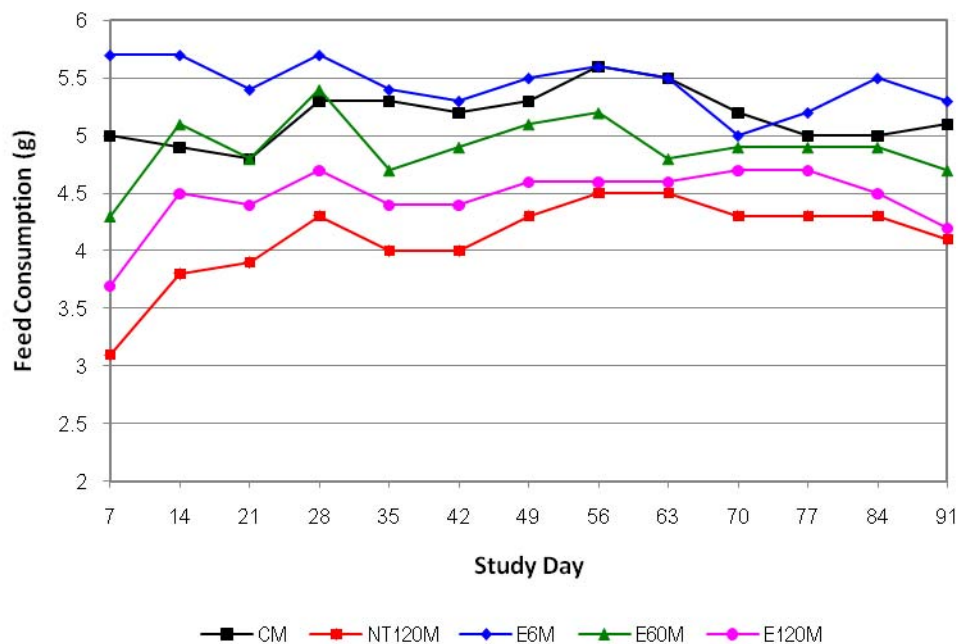


Figure 27. Average Feed Consumption (g) per Day Tobacco Extract and Nicotine Tartrate – Males

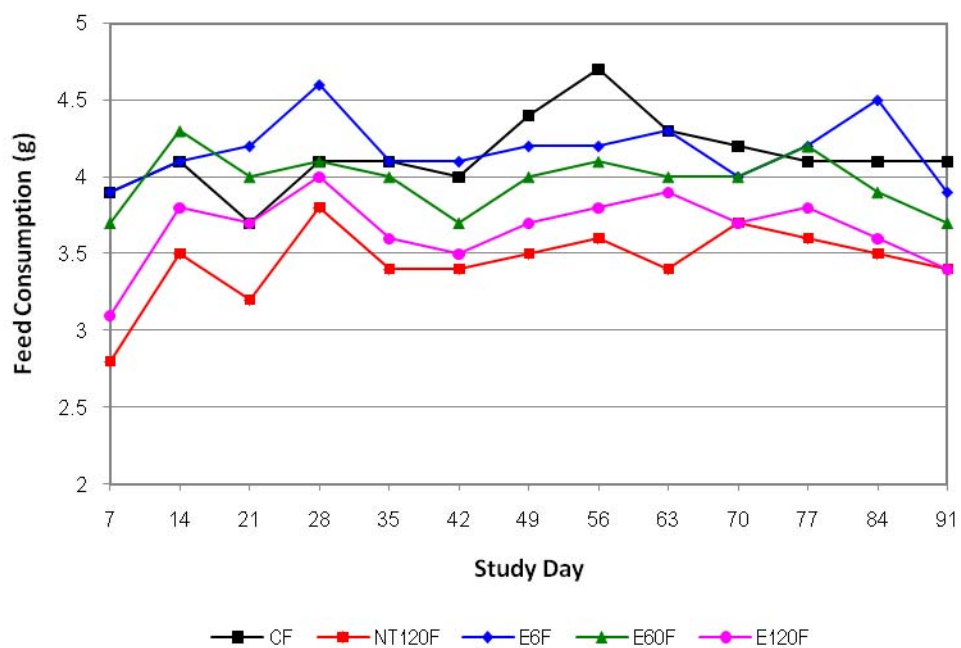


Figure 28. Average Feed Consumption (g) per Day Tobacco Extract and Nicotine Tartrate – Females

Table 5. Group Summary of Clinical Abnormalities – Males

Group	Observation	Animals Affected	Observed		
			First Day	Last Day	Total Number
CM	Hunched Posture	1	35	35	1
	Rough Coat	1	35	35	1
	Tissue Mass, Genitalia	1	84	91	2
NT120M	Abrasion, Tail	1	28	56	5
	Hunched Posture	2	7	7	2
	Swelling, Genitalia	1	28	42	3
B6M	Hunched Posture	1	93	93	1
	Rough Coat	1	93	93	1
B60M	Hunched Posture	2	7	92	3
	Rough Coat	1	91	92	2
	Thin Appearance	1	7	7	1
E60M	Ulceration, Tail	4	28	63	13
E120M	Eye Opacity	1	42	93	9
	Tissue Mass, Genitalia	1	91	92	2

Table 6. Group Summary of Clinical Abnormalities – Females

Group	Observation	Animals Affected	Observed		
			First Day	Last Day	Total Number
CF	Lethargic	1	94	94	1
	Ulceration, Tail	1	35	94	10
NT120F	Abrasion, Tail	1	56	77	4
	Discoloration, Genitalia	1	91	93	2
B60F	Abrasion, Tail	1	91	93	2
	Lethargic	1	93	93	1
B120F	Tissue Mass, Genitalia	1	91	93	2
	Ulceration, Tail	1	28	42	3
E6F	Ulceration, Tail	1	28	35	2
E60F	Tissue Mass, Genitalia	1	70	84	3
	Ulceration, Tail	4	28	84	13
E120F	Abrasion, Foot	1	91	93	2
	Abrasion, Tail	1	94	94	1
	Ulceration, Tail	9	28	63	23

Table 7. Group Mean Absolute Body Weight (g) Data – 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 From Control
CM	Mean	28.2	30.6	32.1	33.7	34.6	35.3	36.5	36.9	37.5	38.2	38.6	38.7	39.1	39.2	0
	SD	1.6	1.7	2.0	2.1	2.1	2.6	2.1	2.4	2.4	2.1	2.9	3.1	3.0	2.9	
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
NT120M	Mean	28.5	25.8 ^a	27.1 ^A	28.3 ^A	30.1 ^A	30.2 ^A	31.4 ^A	32.0 ^A	32.8 ^A	33.4 ^A	33.7 ^A	33.6 ^A	34.0 ^A	34.0 ^A	-13.3
	SD	1.5	1.8	2.0	2.5	2.8	2.1	2.5	2.3	2.3	1.8	2.2	2.2	2.0	2.0	
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
B6M	Mean	28.1	30.1	32.1	33.3	34.6	35.6	36.6	37.2	38.0	37.4	38.0	38.4	38.9	39.7	+1.3
	SD	2.2	1.9	1.9	2.2	1.7	1.9	2.2	2.0	2.5	2.8	2.5	2.8	2.9	2.7	
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
B60M	Mean	28.0	28.1 ^a	29.8 ^A	31.4 ^A	32.9	33.1 ^A	34.3 ^A	34.5 ^A	35.4	35.5 ^A	36.0 ^A	35.9 ^A	36.6 ^A	36.4 ^A	-7.1
	SD	1.9	3.0	2.8	2.9	2.6	2.5	2.6	3.1	2.8	3.8	3.1	3.6	2.9	3.4	
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
B120M	Mean	28.5	24.9 ^a	26.0 ^A	28.1 ^A	29.7 ^A	30.5 ^A	31.2 ^A	32.1 ^A	33.1 ^A	33.3 ^A	33.5 ^A	33.7 ^A	34.3 ^A	33.8 ^A	-13.8
	SD	2.0	2.6	2.4	2.4	2.7	2.8	2.9	3.1	3.2	3.1	2.8	3.3	2.9	2.8	
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
E6M	Mean	28.1	30.2	31.8	33.0	34.1	35.0	35.9	36.4	37.3	37.7	37.7	38.4	39.6	39.3	+0.3
	SD	1.8	1.4	2.9	1.8	2.2	2.0	2.1	2.4	3.0	2.8	2.6	2.4	2.9	2.9	
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
E60M	Mean	28.4	28.7 ^a	30.4	30.9 ^A	32.5 ^A	33.5	34.5	35.1	36.0	35.7 ^A	36.3	36.5	36.6 ^A	36.4 ^A	-7.1
	SD	1.5	2.2	2.5	2.7	2.6	3.0	3.2	3.0	2.5	3.2	3.1	2.7	3.0	2.8	
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
E120M	Mean	28.5	25.8 ^a	27.2 ^A	28.7 ^A	30.1 ^A	31.5 ^A	31.7 ^A	32.4 ^A	33.0 ^A	33.7 ^A	33.5 ^A	34.1 ^A	34.2 ^A	33.5 ^A	-14.5
	SD	2.5	2.3	3.0	2.6	2.5	2.7	2.6	2.9	2.6	2.6	2.7	2.7	2.7	2.4	
	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. NT120M, B6M, B60M, B120M, E6M, E60M, E120M.

B = NT120M vs. B120M, E120M.

C = Corresponding blend vs. extract dose groups (B6M vs. E6M, B60M vs. E60M, B120M vs. E120M).

Table 8. Group Mean Absolute Body Weight (g) Data – 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 From Control
CF	Mean	22.1	23.7	24.5	24.6	25.4	26.1	27.3	28.1	28.7	28.8	29.4	29.4	30.2	29.7	0
	SD	1.1	1.4	1.8	1.4	2.1	1.8	1.8	2.7	2.5	2.4	2.5	2.8	2.9	2.8	
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
NT120F	Mean	22.3	22.7	23.8	23.8	24.8	24.9	25.6 ^A	25.4 ^A	26.1 ^A	26.2 ^A	26.9 ^A	27.5 ^A	27.6 ^a	26.7 ^A	-10.1
	SD	1.1	1.2	1.1	1.4	1.3	1.4	1.6	1.6	1.7	1.6	2.0	2.2	2.2	2.1	
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
B6F	Mean	22.5	23.7	24.6	25.1	25.3	25.6	24.7 ^A	26.6	26.9 ^A	27.6	27.6 ^A	28.4	29.3	28.3	-4.7
	SD	1.2	1.3	1.6	1.5	1.4	1.8	1.2	1.8	2.1	2.6	2.2	2.3	2.5	2.4	
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
B60F	Mean	22.7	23.5	23.9	24.7	25.4	25.1	26.2	26.8	26.8 ^A	26.9 ^A	27.4 ^A	28.1	28.1 ^a	27.5 ^A	-7.4
	SD	1.1	1.1	1.5	1.3	1.4	1.5	1.8	2.0	2.3	1.6	2.0	2.3	2.0	2.2	
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
B120F	Mean	22.5	22.8	23.9	25.1 ^B	25.4	25.8	26.4	26.6 ^B	27.2	27.6 ^B	27.5 ^A	28.2	28.5 ^a	27.9 ^A	-6.1
	SD	0.9	1.3	1.3	1.5	1.3	1.2	1.6	1.5	2.0	1.5	1.8	2.0	1.7	1.8	
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
E6F	Mean	22.5	23.3	24.1	24.4	25.6	26.4	26.6 ^C	27.2	27.6	28.3	28.3	29.1	29.7	28.8	-3.0
	SD	1.0	1.1	1.2	1.0	1.3	1.4	2.0	1.3	1.6	2.0	1.9	2.0	1.9	1.9	
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
E60F	Mean	22.7	23.2	24.4	24.7	25.7	26.3 ^C	26.3	25.6 ^A	27.2	27.3	27.7	28.7	29.0	28.0	-5.7
	SD	1.1	1.0	1.3	1.4	1.7	1.7	1.6	1.7	1.8	1.9	2.2	2.4	2.8	1.8	
	N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
E120F	Mean	22.6	22.5 ^A	23.7	24.9	25.2	25.3	25.9	26.4 ^A	26.2 ^A	26.9 ^A	27.5 ^A	27.7	27.6 ^a	26.7 ^{A,C}	-10.1
	SD	1.4	1.5	2.0	1.9	2.0	1.7	1.7	1.6	1.5	1.6	2.2	1.8	1.2	1.4	
	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. NT120F, B6F, B60F, B120F, E6F, E60F, E120F.

B = NT120F vs. B120F, E120F.

C = Corresponding blend vs. extract dose groups (B6F vs. E6F, B60F vs. E60F, B120F vs. E120F).

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

Group		Day									
		-5	1	7	14	21	28	35	42	49	56
CM	Mean	27.9	28.7	30.5	31.1	31.9	33.1	34.0	35.1	35.3	35.6
	SD	1.6	2.0	1.8	1.8	2.8	2.5	2.7	2.4	3.1	3.2
	N	10	10	10	10	10	10	10	10	10	10
NT120M	Mean	27.9	28.6	25.7 ^A	27.6 ^A	28.9	30.2 ^A	30.4 ^A	31.2 ^A	31.9	32.9
	SD	1.6	2.2	1.6	2.1	2.2	2.4	2.4	2.1	2.2	2.2
	N	10	10	10	10	10	9	8	8	8	8
B6M	Mean	27.9	27.9	29.9	31.2	32.0	33.4	34.5	34.8	34.9	36.0
	SD	1.6	1.3	1.7	2.4	2.9	2.0	2.8	2.9	3.1	3.1
	N	10	10	10	10	10	10	10	10	10	10
B60M	Mean	27.9	28.4	28.3	29.7	31.0	31.8	33.4	33.5	34.3	35.2
	SD	1.7	1.7	1.5	2.3	2.8	2.2	2.7	2.3	2.8	3.5
	N	10	10	10	10	10	10	9	9	9	9
B120M	Mean	27.9	28.2	24.2 ^A	26.1 ^A	27.0 ^A	29.4 ^A	29.8 ^A	30.1 ^A	31.5 ^A	32.5
	SD	1.7	2.2	1.9	2.4	2.2	1.9	1.6	1.7	1.5	1.3
	N	10	10	10	10	10	10	10	10	10	10
E6M	Mean	27.9	28.9	28.4	31.4	31.9	33.9	34.0	34.1	34.8	35.9
	SD	1.6	1.9	2.3	2.3	4.0	2.5	2.3	2.9	3.3	3.3
	N	10	10	10	10	9	9	9	9	9	9
E60M	Mean	27.8	28.0	27.9 ^A	29.4	31.1	31.8	32.8	32.8	34.1	35.5
	SD	1.6	1.7	1.9	1.9	1.8	2.2	2.4	3.3	2.7	2.6
	N	10	10	10	10	10	10	10	10	10	10
E120M	Mean	27.9	28.3	25.0 ^A	26.7 ^A	27.6 ^A	29.5 ^A	30.1 ^A	31.1 ^A	32.0	32.6
	SD	1.7	1.5	2.0	2.1	3.3	3.0	3.7	3.4	3.4	3.9
	N	10	10	10	10	9	9	8	8	8	8

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

Group		Day					% Change from Control
		63	70	77	84	91	
CM	Mean	36.0	36.5	37.4	38.1	37.3	0
	SD	3.3	3.1	3.6	3.7	3.3	
	N	9	9	9	9	9	
NT120M	Mean	32.0 ^A	33.1	34.2	34.2	35.1	-5.9
	SD	2.5	2.6	2.6	1.6	1.8	
	N	8	8	8	8	8	
B6M	Mean	36.7	36.6	37.8	38.9	38.8	+4.0
	SD	3.4	3.8	4.0	3.7	3.8	
	N	9	9	9	9	9	
B60M	Mean	35.6	35.9	36.9	37.0	37.1	-0.5
	SD	3.3	3.2	3.0	3.3	3.5	
	N	9	9	9	9	9	
B120M	Mean	32.7	33.1	33.3 ^A	33.5 ^A	33.8	-9.4
	SD	1.2	1.3	1.7	2.4	1.8	
	N	10	10	10	10	10	
E6M	Mean	36.8	36.7	37.6	38.2	37.9	+1.6
	SD	3.0	3.1	3.0	3.0	3.1	
	N	9	9	9	9	9	
E60M	Mean	35.8	35.4	36.0	36.7	36.3	-2.7
	SD	2.6	2.9	2.5	2.4	3.2	
	N	9	9	9	9	9	
E120M	Mean	32.6	33.2	33.7	33.2 ^A	34.5	-7.5
	SD	3.6	3.3	3.2	3.2	2.5	
	N	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 = CM vs. NT120M, B6M, B60M, B120M, E6M, E60M, E120M.

B = NT120M vs. B120M, E120M.

C = Corresponding blend vs. extract dose groups (B6M vs. E6M, B60M vs. E60M, B120M vs. E120M).

[illegible]

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

Group		Day					% Change from Control
		63	70	77	84	91	
CF	Mean	29.4	29.7	30.2	30.0	31.1	0
	SD	1.9	2.1	2.3	2.0	2.5	
	N	10	10	10	10	10	
NT120F	Mean	26.9 ^a	27.1 ^a	27.1 ^a	27.7 ^a	27.6 ^a	-11.3
	SD	1.5	1.5	1.8	1.9	1.3	
	N	10	10	10	10	10	
B6F	Mean	28.4	28.5	28.7	29.4	29.4	-5.5
	SD	2.6	3.1	3.5	3.3	3.3	
	N	10	10	10	10	10	
B60F	Mean	27.6	27.3 ^a	27.6 ^a	27.2 ^a	28.2 ^a	-9.3
	SD	1.8	1.4	2.1	1.5	2.0	
	N	10	10	10	10	10	
B120F	Mean	26.1 ^a	26.9 ^a	26.7 ^a	25.7 ^{a,B}	26.8 ^a	-13.8
	SD	1.6	1.1	1.4	1.0	0.8	
	N	6	6	6	6	6	
E6F	Mean	28.4	28.9	27.5	29.3	29.3	-5.8
	SD	3.7	3.3	3.3	3.1	3.3	
	N	10	10	10	10	10	
E60F	Mean	28.4	27.8	27.6 ^a	27.7	27.8 ^a	-10.6
	SD	1.6	1.8	2.6	3.0	1.9	
	N	10	10	10	10	10	
E120F	Mean	26.5 ^a	27.3 ^a	27.1 ^a	26.7 ^a	28.4 ^a	-8.7
	SD	1.0	1.9	1.1	1.2	2.3	
	N	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 = CF vs. NT120F, B6F, B60F, B120F, E6F, E60F, E120F;

B = NT120F vs. B120F, E120F.

C = Corresponding blend vs. extract dose groups (B6F vs. E6F, B60F vs. E60F, B120F vs. E120F).

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

Group		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	Mean ± Standard Deviation	% Change from Control
CM	Mean	5.0	4.9	4.8	5.3	5.3	5.2	5.3	5.6	5.5	5.2	5.0	5.0	5.1	5.2 ± 0.2	0
	SD	0.5	0.4	0.5	0.5	0.6	0.7	0.7	0.5	0.7	0.6	0.7	0.8	0.7		
	N	20	20	20	20	20	18	20	20	19	17	20	20	20		
NT120M	Mean	3.1 ^a	3.8 ^A	3.9 ^A	4.3 ^a	4.0 ^A	4.0 ^A	4.3 ^A	4.5 ^A	4.5 ^A	4.3 ^A	4.3 ^A	4.3 ^a	4.1 ^a	4.1 ± 0.4	-21.2
	SD	0.9	0.4	0.5	0.7	0.5	0.5	0.5	0.6	0.5	0.5	0.5	0.5	0.5		
	N	20	20	20	20	20	18	20	20	20	19	19	20	19		
B6M	Mean	5.2	5.2	5.0	5.5	5.3	5.0	5.3	5.4	5.1	5.0	5.2	5.1	5.3	5.2 ± 0.2	0
	SD	0.5	0.6	0.5	0.4	0.4	0.9	0.4	0.5	0.6	0.6	0.6	0.6	0.5		
	N	20	20	20	20	20	20	20	20	20	20	20	20	20		
B60M	Mean	4.2 ^a	4.5	4.5	5.0	4.8 ^A	4.9	4.9	5.1 ^A	4.8 ^A	4.6 ^A	4.6	4.9	4.6 ^a	4.7 ± 0.3	-9.6
	SD	0.8	0.6	0.7	0.5	0.7	0.7	0.7	0.6	0.7	0.7	0.6	0.6	0.5		
	N	20	20	20	20	20	19	20	20	20	19	20	20	19		
B120M	Mean	3.2 ^a	3.9 ^A	4.0 ^A	4.5 ^a	4.4 ^A	4.4 ^{A,B}	4.4 ^A	4.5 ^A	4.4 ^A	4.5 ^A	4.4 ^A	4.7	4.7 ^b	4.3 ± 0.4	-17.3
	SD	0.9	0.6	0.5	0.6	0.5	0.6	0.5	0.4	0.6	0.6	0.8	0.7	0.9		
	N	20	20	20	20	20	20	20	18	19	20	20	20	20		
E6M	Mean	5.7 ^{a,C}	5.7 ^{A,C}	5.4 ^{A,C}	5.7 ^a	5.4	5.3	5.5	5.6	5.5 ^C	5.0	5.2	5.5	5.3	5.4 ± 0.2	+3.8
	SD	0.5	0.6	0.6	0.7	0.6	0.6	0.6	0.7	0.5	0.6	0.6	0.8	0.5		
	N	20	20	20	19	20	20	20	20	20	20	19	20	18		
E60M	Mean	4.3 ^a	5.1 ^C	4.8	5.4 ^C	4.7 ^A	4.9	5.1	5.2	4.8 ^A	4.9	4.9	4.9	4.7	4.9 ± 0.3	-5.8
	SD	1.0	0.5	0.6	0.8	0.6	0.7	0.6	0.5	0.6	0.5	0.8	0.5	0.5		
	N	20	20	20	20	20	20	20	19	20	17	20	20	19		
E120M	Mean	3.7 ^a	4.5 ^{B,C}	4.4 ^{B,C}	4.7 ^a	4.4 ^A	4.4 ^A	4.6 ^{A,B}	4.6 ^A	4.6 ^A	4.7 ^A	4.7	4.5 ^a	4.2 ^{a,c}	4.5 ± 0.3	-13.5
	SD	0.9	0.4	0.5	0.4	0.5	0.4	0.5	0.6	0.6	0.6	0.6	0.4	0.6		
	N	20	19	19	20	19	20	19	20	20	20	19	18	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. NT120M, B6M, B60M, B120M, E6M, E60M, E120M.

B = NT120M vs. B120M, E120M.

C = Corresponding blend vs. extract dose groups (B6M vs. E6M, B60M vs. E60M, B120M vs. E120M).

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

Group		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	Mean ± Standard Deviation	% Change from Control
CF	Mean	3.9	4.1	3.7	4.1	4.1	4.0	4.4	4.7	4.3	4.2	4.1	4.1	4.1	4.1 ± 0.2	--
	SD	0.1	0.2	0.2	0.4	0.2	0.5	0.3	0.9	0.1	0.4	0.5	0.2	0.2		
	N	5	5	5	5	5	5	5	5	5	5	5	5	5		
NT120F	Mean	2.8 ^A	3.5 ^a	3.2	3.8	3.4 ^A	3.4	3.5 ^A	3.6 ^A	3.4 ^a	3.7	3.6	3.5	3.4 ^A	3.4 ± 0.2	-17.1
	SD	0.4	0.2	0.4	0.8	0.5	0.5	0.2	0.4	0.2	0.1	0.4	0.7	0.3		
	N	5	5	5	5	5	5	4	5	5	5	4	5	5		
B6F	Mean	3.5	3.8	3.7	3.7	3.5	3.5	4.0	3.7 ^A	4.0	3.7	3.8	3.9	3.5 ^A	3.7 ± 0.2	-9.8
	SD	0.2	0.2	0.4	0.3	0.3	0.1	0.1	0.5	0.5	0.3	0.3	0.3	0.4		
	N	5	5	5	5	5	4	5	5	5	5	4	5	5		
B60F	Mean	3.4	3.8	3.9	4.2	3.8	4.0	4.1	4.0	4.1	3.9	4.1	3.9	3.8	3.9 ± 0.2	-4.9
	SD	0.3	0.1	0.4	0.5	0.2	0.3	0.4	0.4	0.3	0.4	0.5	0.2	0.2		
	N	5	5	5	5	5	5	5	5	5	5	4	5	5		
B120F	Mean	3.0 ^A	3.8	3.6	3.9	3.8	3.8	3.7 ^A	3.8 ^A	3.6 ^a	3.4	3.7	3.7	3.2 ^A	3.6 ± 0.3	-12.2
	SD	0.4	0.2	0.3	0.3	0.3	0.6	0.3	0.3	0.5	0.6	0.1	0.4	0.4		
	N	5	5	5	5	5	5	4	5	5	5	5	5	5		
E6F	Mean	3.9	4.1	4.2	4.6 ^C	4.1 ^C	4.1 ^C	4.2	4.2	4.3	4.0	4.2	4.5 ^{a,C}	3.9	4.2 ± 0.2	+2.4
	SD	0.5	0.3	0.4	0.2	0.3	0.4	0.4	0.3	0.5	0.4	0.4	0.2	0.5		
	N	5	5	5	5	5	5	5	5	5	5	5	5	5		
E60F	Mean	3.7	4.3 ^C	4.0	4.1	4.0	3.7	4.0	4.1	4.0	4.0	4.2	3.9	3.7	4.0 ± 0.2	-2.4
	SD	0.3	0.2	0.4	0.3	0.5	0.5	0.2	0.5	0.4	0.7	0.3	0.3	0.4		
	N	5	5	5	5	5	4	5	5	5	5	3	4	5		
E120F	Mean	3.1 ^A	3.8	3.7	4.0	3.6	3.5	3.7 ^A	3.8 ^A	3.9 ^a	3.7	3.8	3.6 ^a	3.4 ^A	3.7 ± 0.2	-9.8
	SD	0.5	0.6	0.4	0.3	0.2	0.2	0.3	0.2	0.2	0.5	0.1	0.2	0.3		
	N	5	5	5	5	5	5	5	5	5	5	4	5	5		

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. NT120F, B6F, B60F, B120F, E6F, E60F, E120F.

B = NT120F vs. B120F, E120F.

C = Corresponding blend vs. extract dose groups (B6F vs. E6F, B60F vs. E60F, B120F vs. E120F).

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	10.35	15.8	48.2	46.6	15.3
	SD	0.74	1.2	3.6	1.5	0.4
	N	10	10	10	10	10
NT120M	Mean	10.46	16.2	49.3	47.2	15.4
	SD	0.89	1.6	4.3	1.7	0.5
	N	10	10	10	10	10
B6M	Mean	10.38	15.8	47.8	46.1	15.2
	SD	0.39	0.8	2.0	1.3	0.5
	N	10	10	10	10	10
B60M	Mean	10.82	16.4	49.8	46.0	15.1
	SD	0.90	1.4	4.1	1.2	0.4
	N	10	10	10	10	10
B120M	Mean	10.99	16.2	49.6	45.2 ^B	14.8 ^{A,B}
	SD	0.86	1.0	3.3	1.0	0.3
	N	10	10	10	10	10
E6M	Mean	10.33	15.7	47.1	45.6	15.2
	SD	0.62	1.0	3.3	1.8	0.4
	N	10	10	10	10	10
E60M	Mean	10.52	15.8	47.9	45.5	15.0
	SD	0.66	1.0	3.4	1.5	0.4
	N	10	10	10	10	10
E120M	Mean	10.76	16.1	49.1	45.7 ^B	14.9 ^B
	SD	0.67	1.0	2.8	1.2	0.4
	N	10	10	10	10	10

Table 13. Group Mean Hematology Data – Males

Group		Mean Corpuscular Hemoglobin Concentration (g/dL)	Platelet Count (10³/μL)	Reticulocytes (10³/μL)
CM	Mean	32.8	866	281.0
	SD	0.5	273	45.2
	N	10	10	10
NT120M	Mean	32.8	732	411.6
	SD	1.2	236	198.3
	N	10	10	10
B6M	Mean	33.0	850	260.7
	SD	0.6	195	40.3
	N	10	10	10
B60M	Mean	33.0	745	341.8 ^a
	SD	0.6	292	52.5
	N	10	10	10
B120M	Mean	32.6	843	327.7 ^a
	SD	0.4	261	35.6
	N	10	10	10
E6M	Mean	33.2	834	263.0
	SD	0.9	176	42.6
	N	10	10	10
E60M	Mean	33.0	946	304.3
	SD	0.9	189	68.0
	N	10	10	10
E120M	Mean	32.7	770	308.8
	SD	0.7	131	48.4
	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. NT120M, B6M, B60M, B120M, E6M, E60M, E120M.

B = NT120M vs. B120M, E120M. C = Corresponding blend vs. extract dose groups (B6M vs. E6M, B60M vs. E60M, B120M vs. E120M).

Table 14. Group Mean Hematology Data – Females

Group	Red Blood Cell			Hematocrit	Mean	Mean
		Count	Hemoglobin			
		(10⁶/μL)	(g/dL)	(%)	Corpuscular	Corpuscular
					Volume	Hemoglobin
					(fL)	(pg)
CF	Mean	10.08	15.5	46.1	45.8	15.4
	SD	0.74	1.1	3.2	1.7	0.6
	N	9	9	9	9	9
NT120F	Mean	9.92	15.3	45.5	46.0	15.4
	SD	0.75	1.1	2.9	1.0	0.4
	N	10	10	10	10	10
B6F	Mean	10.00	15.1	44.6	44.6	15.1
	SD	0.73	1.1	3.1	0.8	0.4
	N	10	10	10	10	10
B60F	Mean	10.36	15.4	46.0	44.4	14.9
	SD	0.96	1.4	3.7	1.2	0.5
	N	9	9	9	9	9
B120F	Mean	10.14	15.4	46.1	45.5	15.2
	SD	0.63	0.8	2.7	1.5	0.4
	N	10	10	10	10	10
E6F	Mean	10.15	15.6	46.2	45.5	15.4
	SD	0.62	0.8	2.0	2.0	0.7
	N	10	10	10	10	10
E60F	Mean	10.27	15.4	46.2	45.0	15.0
	SD	0.89	1.0	3.2	1.5	0.6
	N	10	10	10	10	10
E120F	Mean	10.14	15.5	46.1	45.5	15.3
	SD	0.34	0.6	1.1	1.5	0.7
	N	10	10	10	10	10

Table 14. Group Mean Hematology Data – Females

Group		Mean Corpuscular Hemoglobin Concentration (g/dL)	Platelet Count (10³/μL)	Reticulocytes (10³/μL)
CF	Mean	33.6	850	258.6
	SD	0.6	415	93.1
	N	9	9	9
NT120F	Mean	33.5	851	285.8
	SD	0.6	203	68.6
	N	10	10	10
B6F	Mean	33.8	848	229.3
	SD	0.5	283	70.6
	N	10	10	10
B60F	Mean	33.5	859	255.8
	SD	0.9	176	108.8
	N	9	9	9
B120F	Mean	33.4	977	275.9
	SD	0.7	321	63.1
	N	10	10	10
E6F	Mean	33.7	865	220.8
	SD	0.7	144	62.0
	N	10	10	10
E60F	Mean	33.3	787	259.0
	SD	0.9	188	42.1
	N	10	10	10
E120F	Mean	33.7	914	264.3
	SD	0.8	216	65.1
	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. NT120F, B6F, B60F, B120F, E6F, E60F, E120F.

B = NT120F vs. B120F, E120F.

C = Corresponding blend vs. extract dose groups (B6F vs. E6F, B60F vs. E60F, B120F vs. E120F).

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	4.19	1.12	2.98	0.05	0.05	0.00
	SD	1.94	0.81	1.22	0.04	0.05	0.00
	N	10	10	10	10	10	10
NT120M	Mean	4.50	1.39	3.01	0.07	0.04	0.00
	SD	2.38	0.66	2.17	0.06	0.06	0.00
	N	10	10	10	10	10	10
B6M	Mean	3.24	0.83	2.29	0.04	0.08	0.00
	SD	1.31	0.62	0.77	0.03	0.06	0.00
	N	10	10	10	10	10	10
B60M	Mean	3.45	0.91	2.43	0.07	0.06	0.00
	SD	1.45	0.54	1.02	0.05	0.10	0.00
	N	10	10	10	10	10	10
B120M	Mean	4.70	1.41	3.20	0.04	0.04	0.01
	SD	1.52	0.66	1.06	0.03	0.09	0.02
	N	10	10	10	10	10	10
E6M	Mean	5.27 ^C	1.40	3.68 ^C	0.11	0.09	0.00
	SD	2.14	0.73	1.45	0.10	0.08	0.00
	N	10	10	10	10	10	10
E60M	Mean	3.60	0.95	2.46	0.08	0.09	0.00
	SD	2.04	0.58	1.30	0.12	0.11	0.00
	N	10	10	10	10	10	10
E120M	Mean	4.07	1.24	2.72	0.06	0.05	0.00
	SD	2.51	1.05	1.62	0.04	0.05	0.00
	N	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. NT120M, B6M, B60M, B120M, E6M, E60M, E120M.

B = NT120M vs. B120M, E120M.

C = Corresponding blend vs. extract dose groups (B6M vs. E6M, B60M vs. E60M, B120M vs. E120M).

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	5.51	1.19	4.18	0.03	0.12	0.00
	SD	1.71	0.58	1.44	0.03	0.15	0.00
	N	9	9	9	9	9	9
NT120F	Mean	5.00	1.39	3.46	0.06	0.10	0.00
	SD	1.92	0.51	1.62	0.07	0.09	0.00
	N	10	10	10	10	10	10
B6F	Mean	5.59	1.40	4.03	0.08 ^a	0.08	0.00
	SD	1.69	0.46	1.44	0.06	0.07	0.00
	N	10	10	10	10	10	10
B60F	Mean	6.10	1.71	4.24	0.06	0.08	0.00
	SD	4.02	1.41	2.98	0.06	0.18	0.01
	N	9	9	9	9	9	9
B120F	Mean	7.09	1.67	5.26	0.04	0.11	0.01
	SD	2.18	0.71	1.93	0.03	0.09	0.01
	N	10	10	10	10	10	10
E6F	Mean	5.79	1.63	3.97	0.06	0.13	0.00
	SD	2.56	0.81	1.73	0.07	0.17	0.00
	N	10	10	10	10	10	10
E60F	Mean	5.83	1.49	4.18	0.05	0.11	0.00
	SD	1.80	0.55	1.42	0.04	0.10	0.00
	N	10	10	10	10	10	10
E120F	Mean	6.13	1.42	4.54	0.05	0.11	0.01
	SD	2.45	0.38	2.10	0.07	0.11	0.01
	N	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 = CF vs. NT120F, B6F, B60F, B120F, E6F, E60F, E120F.

B = NT120F vs. B120F, E120F.

C = Corresponding blend vs. extract dose groups (B6F vs. E6F, B60F vs. E60F, B120F vs. E120F).

Table 17. Group Mean Serum Chemistry Data – Males

		Alkaline Phosphatase (U/L)	Aspartate Aminotransferase (U/L)	Gamma Glutamyltransferase (U/L)	Total Bilirubin (mg/dL)
Group					
CM	Mean	73	103	0	0.16
	SD	16	26	0	0.03
	N	10	10	10	10
NT120M	Mean	107 ^a	110	0	0.14
	SD	38	32	0	0.02
	N	10	10	10	10
B6M	Mean	78	107	0	0.16
	SD	23	53	0	0.04
	N	10	10	10	10
B60M	Mean	96	106	0	0.14
	SD	37	43	0	0.02
	N	10	10	10	10
B120M	Mean	124 ^a	164	0	0.13
	SD	32	111	0	0.02
	N	10	10	10	10
E6M	Mean	76	77 ^a	0	0.15
	SD	17	17	0	0.01
	N	10	10	10	10
E60M	Mean	85	184	0	0.15
	SD	14	206	0	0.03
	N	10	10	10	10
E120M	Mean	116 ^a	136	0	0.13
	SD	58	48	0	0.03
	N	10	10	10	10

Table 17. 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	6.0	91	3.7
	SD	0.01	0.4	19	0.3
	N	10	10	10	10
NT120M	Mean	0.03	5.9	84	3.9
	SD	0.02	0.4	22	0.3
	N	10	10	10	10
B6M	Mean	0.04	5.9	91	3.7
	SD	0.02	0.3	21	0.1
	N	10	10	10	10
B60M	Mean	0.03	5.7	80	3.7
	SD	0.01	0.8	19	0.5
	N	10	10	10	10
B120M	Mean	0.03	5.6 ^a	84	3.8
	SD	0.01	0.3	25	0.1
	N	10	10	10	10
E6M	Mean	0.03	6.0	100	3.7
	SD	0.01	0.3	24	0.2
	N	10	10	10	10
E60M	Mean	0.03	6.0	93	3.7
	SD	0.01	0.2	21	0.1
	N	10	10	10	10
E120M	Mean	0.03	5.8	88	3.8
	SD	0.01	0.4	21	0.3
	N	10	9	10	10

Table 17. Group Mean Serum Chemistry Data – Males

Group		Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
CM	Mean	2.3	1.67	21	0.5
	SD	0.3	0.24	5	0.1
	N	10	10	10	10
NT120M	Mean	2.0	1.91	26	0.5
	SD	0.2	0.18	8	0.1
	N	10	10	10	10
B6M	Mean	2.2	1.72	20	0.5
	SD	0.3	0.21	3	0.1
	N	10	10	10	10
B60M	Mean	2.1	1.80	29	0.4
	SD	0.4	0.28	15	0.0
	N	10	10	10	10
B120M	Mean	1.9 ^A	2.08 ^A	30 ^a	0.5
	SD	0.3	0.30	11	0.1
	N	10	10	10	10
E6M	Mean	2.3	1.64	23	0.5
	SD	0.2	0.17	5	0.1
	N	10	10	10	10
E60M	Mean	2.3	1.59	28 ^a	0.4
	SD	0.3	0.21	9	0.1
	N	10	10	10	10
E120M	Mean	2.0	1.97	29 ^a	0.4
	SD	0.4	0.43	9	0.1
	N	9	9	9	10

Table 17. Group Mean Serum Chemistry Data – Males

Group		Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
CM	Mean	112	210	10.1	9.4
	SD	76	55	0.4	1.4
	N	10	10	10	10
NT120M	Mean	63	185	9.9	8.4
	SD	29	34	0.5	0.8
	N	10	10	10	10
B6M	Mean	105	227	10.0	9.0
	SD	36	45	0.3	1.0
	N	10	10	10	10
B60M	Mean	57	193	10.1	8.8
	SD	16	58	0.5	1.4
	N	10	10	10	10
B120M	Mean	48 ^a	179	9.8	9.2
	SD	31	44	0.5	0.8
	N	10	10	10	10
E6M	Mean	97	206	10.1	9.8
	SD	41	42	0.5	1.1
	N	10	10	10	10
E60M	Mean	70	203	9.9	9.1
	SD	25	48	0.3	0.9
	N	10	10	10	10
E120M	Mean	47 ^a	175	10.0	8.5
	SD	21	43	0.4	0.9
	N	10	10	9	10

Table 17. Group Mean Serum Chemistry Data – Males

Group		Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
CM	Mean	153	7.5	111
	SD	2	0.6	2
	N	10	10	10
NT120M	Mean	154	7.3	113
	SD	1	0.5	3
	N	10	10	10
B6M	Mean	153	7.4	111
	SD	2	0.7	2
	N	10	10	10
B60M	Mean	154	7.4	114
	SD	1	0.4	4
	N	10	10	10
B120M	Mean	152	7.4	112
	SD	3	0.8	4
	N	10	10	10
E6M	Mean	153	7.6	113 ^C
	SD	2	0.3	2
	N	10	10	10
E60M	Mean	153	7.3	113
	SD	3	0.6	4
	N	10	10	10
E120M	Mean	154	7.7	114
	SD	1	0.8	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. NT120M, B6M, B60M, B120M, E6M, E60M, E120M.

B = NT120M vs. B120M, E120M.

C = Corresponding blend vs. extract dose groups (B6M vs. E6M, B60M vs. E60M, B120M vs. E120M).

Table 18. Group Mean Serum Chemistry Data – Females

Group		Alkaline Phosphatase (U/L)	Aspartate Aminotransferase (U/L)	Gamma Glutamyltransferase (U/L)	Total Bilirubin (mg/dL)
CF	Mean	86	116	0	0.10
	SD	9	29	0	0.03
	N	10	10	10	10
NT120F	Mean	96	199	0	0.13
	SD	21	128	0	0.02
	N	10	10	10	10
B6F	Mean	78	113	0	0.11
	SD	32	25	0	0.03
	N	10	10	10	10
B60F	Mean	86	160	0	0.11
	SD	16	93	0	0.03
	N	10	10	10	10
B120F	Mean	86	264 ^b	0	0.10 ^B
	SD	13	179	0	0.02
	N	10	10	10	10
E6F	Mean	90	154	0	0.12
	SD	20	73	0	0.02
	N	10	10	10	10
E60F	Mean	87	155	0	0.10
	SD	20	51	0	0.02
	N	10	10	10	10
E120F	Mean	77 ^B	182	0	0.10 ^B
	SD	14	147	0	0.03
	N	10	10	10	10

Table 18. Group Mean Serum Chemistry Data – Females

Group		Direct Bilirubin (mg/dL)	Total Protein (g/dL)	Glucose (mg/dL)	Albumin (g/dL)
CF	Mean	0.03	5.9	72	4.1
	SD	0.01	0.4	17	0.2
	N	10	10	10	10
NT120F	Mean	0.03	5.8	75	4.0
	SD	0.01	0.3	15	0.2
	N	10	10	10	10
B6F	Mean	0.03	6.0	66	4.1
	SD	0.01	0.3	12	0.2
	N	10	10	10	10
B60F	Mean	0.04	6.0	75	4.1
	SD	0.01	0.3	23	0.2
	N	10	10	10	10
B120F	Mean	0.03	5.6	69	3.9
	SD	0.01	0.3	16	0.2
	N	10	10	10	10
E6F	Mean	0.03	5.9	69	4.0
	SD	0.01	0.2	16	0.2
	N	10	10	10	10
E60F	Mean	0.03	6.2	77	4.2
	SD	0.01	0.4	18	0.2
	N	10	10	10	10
E120F	Mean	0.03	5.8	70	4.0
	SD	0.01	0.3	12	0.2
	N	10	10	10	10

Table 18. Group Mean Serum Chemistry Data – Females

Group		Globulin (g/dL)	Albumin/Globulin Ratio	Blood Urea Nitrogen (mg/dL)	Creatinine (mg/dL)
CF	Mean	1.8	2.26	16	0.4
	SD	0.3	0.30	2	0.1
	N	10	10	10	10
NT120F	Mean	1.8	2.27	19	0.4
	SD	0.2	0.21	5	0.0
	N	10	10	10	10
B6F	Mean	1.9	2.21	15	0.5
	SD	0.2	0.18	3	0.1
	N	10	10	10	10
B60F	Mean	1.9	2.22	17	0.4
	SD	0.2	0.23	4	0.0
	N	10	10	10	10
B120F	Mean	1.7	2.37	19	0.4
	SD	0.1	0.10	4	0.1
	N	10	10	10	10
E6F	Mean	1.9	2.08	14	0.5
	SD	0.2	0.24	3	0.1
	N	10	10	10	10
E60F	Mean	2.0	2.12	18	0.5
	SD	0.2	0.20	3	0.1
	N	10	10	10	10
E120F	Mean	1.8	2.26	19	0.4
	SD	0.3	0.42	3	0.0
	N	10	10	10	10

Table 18. Group Mean Serum Chemistry Data – Females

Group		Triglycerides (mg/dL)	Cholesterol (mg/dL)	Calcium (mg/dL)	Phosphorus (mg/dL)
CF	Mean	72	112	10.4	8.7
	SD	33	40	0.3	0.5
	N	10	10	10	10
NT120F	Mean	46	136	10.1	8.3
	SD	17	24	0.3	0.9
	N	10	10	10	10
B6F	Mean	62	134	10.5	8.5
	SD	18	29	0.4	0.9
	N	10	10	10	10
B60F	Mean	47	121	10.3	8.4
	SD	8	48	0.5	1.2
	N	10	10	10	9
B120F	Mean	47	113	10.1	8.8
	SD	14	18	0.2	1.0
	N	10	10	10	10
E6F	Mean	58	124	10.3	8.7
	SD	17	26	0.3	0.8
	N	10	10	10	10
E60F	Mean	57	130	10.5	8.6
	SD	19	31	0.5	0.9
	N	10	10	10	10
E120F	Mean	45 ^a	117	10.2	8.6
	SD	13	25	0.2	0.9
	N	10	10	10	10

Table 18. Group Mean Serum Chemistry Data – Females

Group		Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
CF	Mean	152	7.1	110
	SD	2	0.4	3
	N	10	10	10
NT120F	Mean	154	7.0	114 ^A
	SD	2	0.5	2
	N	10	10	10
B6F	Mean	152	7.0	110
	SD	2	0.5	3
	N	10	10	10
B60F	Mean	153	6.9	112
	SD	1	0.5	2
	N	10	10	10
B120F	Mean	154	6.8	113 ^A
	SD	1	0.3	3
	N	10	10	10
E6F	Mean	153	7.0	112
	SD	1	0.4	2
	N	10	10	10
E60F	Mean	154	6.8	112
	SD	1	0.5	2
	N	10	10	10
E120F	Mean	154	7.0	113
	SD	2	0.5	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. NT120F, B6F, B60F, B120F, E6F, E60F, E120F.

B = NT120F vs. B120F, E120F.

C = Corresponding blend vs. extract dose groups (B6F vs. E6F, B60F vs. E60F, B120F vs. E120F).

Table 19. Group Mean Urine Chemistry Data – Males

Group		Specific Gravity	pH	Urine Volume (mL)
CM	Mean	1.015	6.7	3.6
	SD	0.007	0.5	2.3
	N	9	9	9
NT120M	Mean	1.015	6.3	3.3
	SD	0.005	0.4	1.6
	N	10	10	10
B6M	Mean	1.016	6.7	4.4
	SD	0.007	0.3	3.2
	N	10	10	10
B60M	Mean	1.015	6.2	3.1
	SD	0.007	0.5	2.3
	N	8	9	9
B120M	Mean	1.012	6.2 ^A	4.7
	SD	0.004	0.3	2.4
	N	10	10	10
E6M	Mean	1.020	6.9	3.2
	SD	0.012	0.2	4.4
	N	10	10	10
E60M	Mean	1.013	6.3	6.9
	SD	0.008	0.3	6.8
	N	8	8	8
E120M	Mean	1.009 ^{a,B}	6.1 ^A	7.6 ^{a,b}
	SD	0.003	0.5	3.9
	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. NT120M, B6M, B60M, B120M, E6M, E60M, E120M.

B = NT120M vs. B120M, E120M.

C = Corresponding blend vs. extract dose groups (B6M vs. E6M, B60M vs. E60M, B120M vs. E120M).

Table 20. Group Mean Urine Chemistry Data – Females

Group		Specific Gravity	pH	Urine Volume (mL)
CF	Mean	1.006	6.5	5.2
	SD	0.002	0.4	2.6
	N	9	9	9
NT120F	Mean	1.007	6.3	5.5
	SD	0.004	0.5	5.0
	N	10	10	10
B6F	Mean	1.011 ^a	6.6	3.5
	SD	0.007	0.6	2.4
	N	10	10	10
B60F	Mean	1.012 ^a	6.3	3.7
	SD	0.005	0.4	2.7
	N	10	10	10
B120F	Mean	1.008 ^a	6.2	4.5
	SD	0.002	0.3	2.3
	N	10	10	10
E6F	Mean	1.009	6.6	5.6
	SD	0.004	0.4	3.7
	N	10	10	10
E60F	Mean	1.010 ^a	6.4	4.0
	SD	0.004	0.5	3.3
	N	9	9	9
E120F	Mean	1.011 ^a	6.5	3.4
	SD	0.004	0.5	1.6
	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. NT120F, B6F, B60F, B120F, E6F, E60F, E120F.

B = NT120F vs. B120F, E120F.

C = Corresponding blend vs. extract dose groups (B6F vs. E6F, B60F vs. E60F, B120F vs. E120F).

Table 21. Individual Animal Urinalysis Data – Males

Group	Animal		Appearance	Color	Glucose	pH	Protein
	ID	Day					
CM	101	92	Hazy	Yellow	Negative	6.5	~30 mg/dL
	102	92	Hazy	Straw	Negative	6.0	Negative, Trace
	103	92	Clear	Yellow	Negative	6.5	Negative, Trace
	105	92	Clear	Yellow	Negative	7.5	~30 mg/dL
	111	93	Clear	Yellow	Negative	7.0	Negative, Trace
	112	93	Clear	Straw	Negative	7.0	Negative, Trace
	113	93	Clear	Yellow	Negative	6.0	Negative, Trace
	114	93	Clear	Yellow	Negative	7.0	Negative, Trace
	115	93	Clear	Yellow	Negative	7.0	Negative, Trace
NT120M	201	92	Clear	Yellow	Negative	5.5	Negative, Trace
	202	92	Hazy	Yellow	Negative	6.0	Negative, Trace
	203	92	Clear	Yellow	Negative	6.0	Negative, Trace
	204	92	Hazy	Yellow	Negative	6.5	Negative, Trace
	205	92	Clear	Straw	Negative	6.5	Negative, Trace
	211	93	Clear	Yellow	Negative	6.5	Negative, Trace
	212	93	Clear	Yellow	Negative	6.5	Negative, Trace
	213	93	Clear	Yellow	Negative	6.5	Negative, Trace
	214	93	Clear	Yellow	Negative	6.0	Negative, Trace
	215	93	Clear	Straw	Negative	7.0	Negative, Trace
B6M	301	92	Hazy	Straw	Negative	6.5	Negative, Trace
	302	92	Hazy	Yellow	Negative	6.5	~30 mg/dL
	303	92	Hazy	Yellow	Negative	6.0	Negative, Trace
	304	92	Hazy	Yellow	Negative	6.5	~30 mg/dL
	305	92	Clear	Yellow	Negative	7.0	Negative, Trace
	311	93	Clear	Yellow	Negative	6.5	Negative, Trace
	312	93	Clear	Yellow	Negative	7.0	Negative, Trace
	313	93	Clear	Yellow	Negative	7.0	~30 mg/dL
	314	93	Clear	Yellow	Negative	7.0	Negative, Trace
	315	93	Clear	Yellow	Negative	6.5	Negative, Trace

Table 21. Individual Animal Urinalysis Data – Males

Group	Animal		Appearance	Color	Glucose	pH	Protein
	ID	Day					
B60M	401	92	Hazy	Yellow	Negative	7.0	Negative, Trace
	402	92	Hazy	Straw	Negative	5.5	Negative, Trace
	403	92	Clear	Yellow	Negative	6.0	Negative, Trace
	404	92	Hazy	Yellow	Negative	6.0	Negative, Trace
	405	92	Clear	Yellow	Negative	6.0	Negative, Trace
	412	93	Clear	Straw	Negative	6.0	Negative, Trace
	413	93	Clear	Yellow	Negative	6.5	Negative, Trace
	414	93	Clear	Yellow	Negative	6.0	Negative, Trace
	415	93	Clear	Yellow	Negative	7.0	Negative, Trace
B120M	501	92	Hazy	Yellow	Negative	6.0	Negative, Trace
	502	92	Hazy	Yellow	Negative	6.0	Negative, Trace
	503	92	Clear	Yellow	Negative	6.0	Negative, Trace
	504	92	Hazy	Yellow	Negative	6.0	Negative, Trace
	505	92	Hazy	Straw	Negative	6.5	Negative, Trace
	511	93	Clear	Straw	Negative	6.0	Negative, Trace
	512	93	Clear	Yellow	Negative	6.5	Negative, Trace
	513	93	Clear	Straw	Negative	6.5	Negative, Trace
	514	93	Clear	Yellow	Negative	6.0	Negative, Trace
	515	93	Clear	Yellow	Negative	6.5	Negative, Trace
E6M	601	92	Hazy	Yellow	Negative	7.0	~30 mg/dL
	602	92	Hazy	Yellow	Negative	7.0	Negative, Trace
	603	92	Clear	Yellow	Negative	7.0	~30 mg/dL
	604	92	Clear	Yellow	Negative	7.0	Negative, Trace
	605	92	Clear	Yellow	Negative	6.5	Negative, Trace
	611	93	Clear	Yellow	Negative	7.0	Negative, Trace
	612	93	Clear	Yellow	Negative	6.5	Negative, Trace
	613	93	Clear	Yellow	Negative	6.5	~30 mg/dL
	614	93	Clear	Yellow	Negative	7.0	Negative, Trace
	615	93	Clear	Yellow	Negative	7.0	Negative, Trace

Table 21. Individual Animal Urinalysis Data – Males

Group	Animal		Appearance	Color	Glucose	pH	Protein
	ID	Day					
E60M	701	92	Hazy	Yellow	Negative	6.0	Negative, Trace
	702	92	Clear	Yellow	Negative	6.0	Negative, Trace
	704	92	Clear	Yellow	Negative	6.5	Negative, Trace
	705	92	Clear	Straw	Negative	6.0	Negative, Trace
	711	93	Clear	Yellow	Negative	6.5	Negative, Trace
	712	93	Clear	Yellow	Negative	6.5	Negative, Trace
	713	93	Clear	Yellow	Negative	6.5	Negative, Trace
	715	93	Clear	Yellow	Negative	6.0	Negative, Trace
E120M	801	92	Hazy	Straw	Negative	6.5	Negative, Trace
	802	92	Clear	Straw	Negative	5.5	Negative, Trace
	803	92	Clear	Straw	Negative	6.5	Negative, Trace
	804	92	Clear	Yellow	Negative	5.5	Negative, Trace
	805	92	Clear	Yellow	Negative	6.0	Negative, Trace
	811	93	Clear	Yellow	Negative	7.0	Negative, Trace
	812	93	Clear	Yellow	Negative	6.0	Negative, Trace
	813	93	Clear	Yellow	Negative	5.5	Negative, Trace
	814	93	Clear	Yellow	Negative	6.5	Negative, Trace
	815	93	Clear	Yellow	Negative	6.0	Negative, Trace

Table 22. Individual Animal Urinalysis Data – Females

Group	Animal		Appearance	Color	Glucose	pH	Protein
	ID	Day					
CF	151	93	Clear	Straw	Negative	6.5	Negative, Trace
	152	93	Clear	Straw	Negative	7.0	Negative, Trace
	153	93	Clear	Straw	Negative	6.5	Negative, Trace
	154	93	Clear	Straw	Negative	7.0	Negative, Trace
	155	93	Clear	Yellow	Negative	6.5	Negative, Trace
	162	94	Clear	Yellow	Negative	6.5	Negative, Trace
	163	94	Clear	Straw	Negative	6.5	Negative, Trace
	164	94	Clear	Straw	Negative	5.5	Negative, Trace
	165	94	Clear	Straw	Negative	6.5	Negative, Trace
NT120F	251	93	Clear	Straw	Negative	5.5	Negative, Trace
	252	93	Clear	Straw	Negative	6.5	Negative, Trace
	253	93	Clear	Straw	Negative	6.0	Negative, Trace
	254	93	Clear	Straw	Negative	7.0	Negative, Trace
	255	93	Clear	Yellow	Negative	6.5	Negative, Trace
	261	94	Clear	Straw	Negative	6.0	Negative, Trace
	262	94	Clear	Straw	Negative	6.0	Negative, Trace
	263	94	Clear	Straw	Negative	6.5	Negative, Trace
	264	94	Clear	Straw	Negative	6.0	Negative, Trace
	265	94	Clear	Straw	Negative	7.0	Negative, Trace
B6F	351	93	Clear	Yellow	Negative	6.5	Negative, Trace
	352	93	Clear	Straw	Negative	6.5	Negative, Trace
	353	93	Clear	Straw	Negative	5.5	Negative, Trace
	354	93	Clear	Straw	Negative	7.5	Negative, Trace
	355	93	Clear	Yellow	Negative	7.0	Negative, Trace
	361	94	Clear	Straw	Negative	6.0	Negative, Trace
	362	94	Clear	Yellow	Negative	7.0	Negative, Trace
	363	94	Clear	Yellow	Negative	7.0	Negative, Trace
	364	94	Clear	Straw	Negative	6.5	Negative, Trace
	365	94	Clear	Yellow	Negative	6.0	Negative, Trace

Table 22. Individual Animal Urinalysis Data – Females

Group	Animal		Appearance	Color	Glucose	pH	Protein
	ID	Day					
B60F	451	93	Clear	Yellow	Negative	6.0	Negative, Trace
	452	93	Clear	Yellow	Negative	5.5	Negative, Trace
	453	93	Clear	Straw	Negative	6.0	Negative, Trace
	454	93	Clear	Yellow	Negative	6.5	Negative, Trace
	455	93	Clear	Yellow	Negative	6.5	Negative, Trace
	461	94	Clear	Yellow	Negative	6.5	Negative, Trace
	462	94	Clear	Straw	Negative	7.0	Negative, Trace
	463	94	Clear	Straw	Negative	6.0	Negative, Trace
	464	94	Clear	Straw	Negative	6.5	Negative, Trace
	465	94	Clear	Straw	Negative	6.5	Negative, Trace
B120F	551	93	Clear	Yellow	Negative	6.5	Negative, Trace
	552	93	Clear	Yellow	Negative	6.5	Negative, Trace
	553	93	Clear	Yellow	Negative	6.0	Negative, Trace
	554	93	Clear	Straw	Negative	5.5	Negative, Trace
	555	93	Clear	Yellow	Negative	6.5	Negative, Trace
	561	94	Clear	Straw	Negative	6.5	Negative, Trace
	562	94	Clear	Straw	Negative	6.0	Negative, Trace
	563	94	Clear	Yellow	Negative	6.0	Negative, Trace
	564	94	Clear	Yellow	Negative	6.0	Negative, Trace
	565	94	Clear	Yellow	Negative	6.0	Negative, Trace
E6F	651	93	Clear	Yellow	Negative	6.5	Negative, Trace
	652	93	Clear	Straw	Negative	6.5	Negative, Trace
	653	93	Clear	Straw	Negative	6.0	Negative, Trace
	654	93	Clear	Straw	Negative	6.5	Negative, Trace
	655	93	Clear	Yellow	Negative	7.0	Negative, Trace
	661	94	Clear	Straw	Negative	6.0	Negative, Trace
	662	94	Clear	Yellow	Negative	6.5	Negative, Trace
	663	94	Clear	Straw	Negative	7.0	Negative, Trace
	664	94	Clear	Straw	Negative	6.5	Negative, Trace
	665	94	Clear	Straw	Negative	7.0	Negative, Trace

Table 22. Individual Animal Urinalysis Data – Females

Group	Animal		Appearance	Color	Glucose	pH	Protein
	ID	Day					
E60F	751	93	Clear	Yellow	Negative	6.5	Negative, Trace
	752	93	Hazy	Yellow	Negative	6.5	Negative, Trace
	753	93	Clear	Yellow	Negative	7.0	Negative, Trace
	754	93	Clear	Straw	Negative	5.5	Negative, Trace
	755	93	Clear	Straw	Negative	6.0	Negative, Trace
	761	94	Clear	Straw	Negative	6.5	Negative, Trace
	763	94	Clear	Straw	Negative	6.0	Negative, Trace
	764	94	Clear	Straw	Negative	6.5	Negative, Trace
	765	94	Clear	Straw	Negative	7.0	Negative, Trace
E120F	851	93	Clear	Yellow	Negative	6.5	Negative, Trace
	852	93	Clear	Yellow	Negative	7.0	Negative, Trace
	853	93	Clear	Yellow	Negative	6.5	Negative, Trace
	854	93	Clear	Straw	Negative	5.5	Negative, Trace
	855	93	Clear	Yellow	Negative	7.0	Negative, Trace
	861	94	Clear	Straw	Negative	6.5	Negative, Trace
	862	94	Clear	Straw	Negative	6.0	Negative, Trace
	863	94	Clear	Straw	Negative	6.5	Negative, Trace
	864	94	Clear	Straw	Negative	7.0	Negative, Trace
	865	94	Clear	Straw	Negative	6.5	Negative, Trace

Table 23. 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	Rare	None
	102	92	None	None	None	Rare	None
	103	92	None	None	None	Rare	None
	105	92	None	None	None	Few	None
	111	93	None	Moderate	None	None	None
	112	93	None	Moderate	None	None	None
	113	93	None	Few	None	Few	None
	114	93	None	Many	None	None	None
	115	93	None	Few	None	None	None
NT120M	201	92	None	None	None	Rare	None
	202	92	None	None	None	Rare	None
	203	92	None	None	None	Rare	None
	204	92	None	Rare	None	Few	None
	205	92	None	None	None	Rare	Rare
	211	93	None	Few	None	None	None
	212	93	None	Few	None	Few	None
	213	93	None	Moderate	None	None	None
	214	93	None	Few	None	None	None
	215	93	None	Moderate	None	None	None
B6M	301	92	None	None	None	Few	None
	302	92	None	None	None	Few	None
	303	92	None	None	None	None	None
	304	92	None	None	None	Few	None
	305	92	None	None	None	Rare	None
	311	93	None	Rare	None	Few	None
	312	93	None	Few	None	Rare	None
	313	93	None	Moderate	None	None	None

Table 23. 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))
B6M	314	93	None	Few	None	Rare	None
	315	93	None	Moderate	None	Few	None
B60M	401	92	None	None	None	Rare	None
	402	92	None	None	None	Rare	None
	403	92	None	None	None	None	None
	404	92	None	None	None	None	None
	405	92	None	None	None	Rare	None
	412	93	None	Rare	None	Rare	None
	413	93	None	Few	None	Rare	Rare
	414	93	None	Rare	None	None	None
	415	93	None	Moderate	None	None	None
B120M	501	92	None	None	None	Few	None
	502	92	None	None	None	Few	None
	503	92	None	None	None	Rare	None
	504	92	None	None	None	Rare	None
	505	92	None	Rare	Rare	Rare	None
	511	93	None	Few	None	Rare	None
	512	93	None	Moderate	None	Rare	None
	513	93	None	Rare	None	None	None
	514	93	None	Rare	None	None	None
	515	93	None	Few	None	None	None
E6M	601	92	None	Rare	None	Rare	None
	602	92	None	None	None	Few	None
	603	92	None	Rare	None	Few	Rare
	604	92	None	None	None	Rare	None
	605	92	None	None	None	None	None
	611	93	NT*	NT*	NT*	NT*	NT*

Table 23. 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))
E6M	612	93	None	Few	None	Rare	None
	613	93	None	Few	None	Few	None
	614	93	None	Moderate	None	Rare	None
	615	93	None	Moderate	None	None	None
E60M	701	92	None	None	None	Few	None
	702	92	None	None	None	Rare	None
	704	92	None	None	None	Rare	None
	705	92	None	None	Rare	None	None
	711	93	None	Few	None	Rare	None
	712	93	None	Moderate	None	None	None
	713	93	None	Many	None	None	None
	715	93	None	Many	None	None	None
E120M	801	92	None	None	None	Few	None
	802	92	None	None	None	Rare	None
	803	92	None	None	None	None	None
	804	92	None	None	None	Rare	None
	805	92	None	None	None	Rare	None
	811	93	None	Few	None	None	None
	812	93	None	Moderate	None	Rare	None
	813	93	None	Rare	None	None	None
	814	93	None	Few	None	None	None
	815	93	None	Moderate	None	Rare	None

Table 23. Individual Animal Urine Sediment Data – Males

Group	Animal ID	Day	White Blood Cells	Red Blood Cells	Casts	Epithelial Cells	Sperm
			(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	0	0
	102	92	2	0	0	2	0
	103	92	0	0	0	4	0
	105	92	0	0	0	2	0
	111	93	0	0	0	1	0
	112	93	0	0	0	0	0
	113	93	0	0	0	0	0
	114	93	0	0	0	0	0
	115	93	0	0	0	1	0
NT120M	201	92	2	0	0	4	0
	202	92	0	0	0	2	0
	203	92	0	0	0	2	0
	204	92	0	0	0	2	0
	205	92	0	0	0	2	0
	211	93	0	0	0	2	0
	212	93	0	0	0	1	0
	213	93	0	0	0	4	0
	214	93	0	0	0	0	0
	215	93	0	0	0	3	0
B6M	301	92	0	0	0	2	0
	302	92	0	0	0	2	0
	303	92	0	0	0	2	0
	304	92	0	0	0	2	0
	305	92	0	0	0	0	0
	311	93	0	0	0	1	0

Table 23. Individual Animal Urine Sediment Data – Males

Group	Animal ID	Day	White Blood Cells	Red Blood Cells	Casts	Epithelial Cells	Sperm
			(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))
B6M	312	93	0	0	0	1	0
	313	93	0	0	0	0	0
	314	93	0	0	0	1	0
	315	93	0	0	0	0	0
B60M	401	92	0	0	0	0	0
	402	92	0	0	0	0	0
	403	92	0	0	0	0	0
	404	92	0	0	0	2	0
	405	92	0	0	0	0	0
	412	93	0	0	0	0	0
	413	93	0	0	0	0	0
	414	93	0	0	0	0	0
	415	93	0	0	0	0	0
B120M	501	92	0	0	0	2	0
	502	92	0	0	0	0	0
	503	92	0	0	0	2	0
	504	92	0	0	0	0	0
	505	92	0	0	0	4	0
	511	93	0	0	0	3	0
	512	93	0	0	0	5	0
	513	93	0	0	0	1	0
	514	93	0	0	0	1	0
	515	93	0	0	0	3	0
E6M	601	92	0	0	0	2	0
	602	92	0	0	0	2	0
	603	92	2	0	0	2	0

Table 23. Individual Animal Urine Sediment Data – Males

Group	Animal ID	Day	White Blood Cells	Red Blood Cells	Casts	Epithelial Cells	Sperm
			(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))
E6M	604	92	0	0	0	2	0
	605	92	0	0	0	2	0
	611	93	NT*	NT*	NT*	NT*	NT*
	612	93	0	0	0	3	0
	613	93	0	0	0	2	0
	614	93	0	0	0	0	0
	615	93	0	0	0	1	0
E60M	701	92	0	0	0	2	0
	702	92	0	0	0	2	0
	704	92	0	0	0	2	0
	705	92	0	0	0	2	0
	711	93	0	0	0	1	0
	712	93	0	0	0	3	0
	713	93	0	0	0	3	0
	715	93	0	0	0	0	0
E120M	801	92	2	0	0	4	0
	802	92	0	0	0	2	0
	803	92	0	0	0	0	0
	804	92	0	0	0	0	0
	805	92	0	0	0	0	0
	811	93	0	0	0	2	0
	812	93	0	0	0	1	0
	813	93	0	0	0	5	0
	814	93	0	0	0	0	0
	815	93	0	0	0	0	0

* NT = Not taken.

Table 24. 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	None	None	None	None
	152	93	None	None	None	None	None
	153	93	None	None	None	None	None
	154	93	None	None	None	None	None
	155	93	None	None	None	None	Rare
	162	94	None	Rare	None	None	None
	163	94	None	Rare	None	None	None
	164	94	None	Few	None	None	None
	165	94	None	Rare	None	None	None
NT120F	251	93	None	Rare	None	None	None
	252	93	None	None	None	None	Rare
	253	93	None	Rare	None	None	None
	254	93	None	Rare	None	None	None
	255	93	None	Rare	None	None	None
	261	94	None	Rare	None	None	None
	262	94	None	Few	None	None	Rare
	263	94	None	Rare	None	None	None
	264	94	None	Rare	None	None	None
	265	94	None	Few	None	None	None
B6F	351	93	None	None	None	None	None
	352	93	None	None	None	None	None
	353	93	None	None	None	None	None
	354	93	None	None	None	None	None
	355	93	None	Rare	None	None	Rare
	361	94	None	Rare	None	None	None
	362	94	None	Rare	None	None	None
	363	94	None	None	None	None	None

Table 24. 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))
B6F	364	94	None	Few	None	None	None
	365	94	None	Few	None	None	None
B60F	451	93	None	None	None	None	None
	452	93	None	None	None	None	None
	453	93	None	None	None	None	None
	454	93	None	None	None	None	None
	455	93	None	None	None	None	None
	461	94	None	Few	None	None	None
	462	94	None	Few	None	None	None
	463	94	None	Rare	None	None	None
	464	94	None	Few	None	None	None
	465	94	None	Moderate	None	None	None
B120F	551	93	None	None	None	None	None
	552	93	None	None	None	None	Rare
	553	93	None	None	None	None	None
	554	93	None	None	None	None	None
	555	93	None	None	None	None	Rare
	561	94	None	Many	None	Rare	None
	562	94	None	Moderate	None	None	None
	563	94	None	Rare	None	None	None
	564	94	None	Few	None	None	None
	565	94	None	Few	None	None	None
E6F	651	93	None	Rare	None	None	None
	652	93	None	None	None	Rare	None
	653	93	None	None	None	None	None
	654	93	None	None	None	None	None
	655	93	None	Rare	None	None	None

Table 24. 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))
E6F	661	94	None	Rare	None	None	None
	662	94	None	Few	None	Rare	None
	663	94	None	Rare	None	None	None
	664	94	None	Rare	None	None	None
	665	94	None	Moderate	None	None	None
E60F	751	93	None	None	None	None	None
	752	93	None	Rare	None	None	None
	753	93	None	None	None	None	None
	754	93	None	None	None	None	None
	755	93	None	None	None	None	None
	761	94	None	Rare	None	None	None
	763	94	None	Few	None	Rare	None
	764	94	None	Few	None	None	None
	765	94	None	Moderate	None	None	None
E120F	851	93	None	Rare	None	None	None
	852	93	None	None	None	None	None
	853	93	None	None	None	Rare	None
	854	93	None	None	None	None	None
	855	93	None	None	None	None	Rare
	861	94	None	Few	None	None	None
	862	94	None	Few	None	None	None
	863	94	None	Rare	None	None	None
	864	94	None	Few	None	None	None
	865	94	None	None	None	None	None

Table 24. Individual Animal Urine Sediment Data – Females

Group	Animal ID	Day	White Blood Cells	Red Blood Cells	Casts	Epithelial Cells	Sperm
			(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	0	0
	152	93	0	0	0	2	0
	153	93	0	0	0	0	0
	154	93	0	0	0	0	0
	155	93	0	0	0	0	0
	162	94	0	0	0	0	0
	163	94	0	0	0	1	0
	164	94	0	0	0	2	0
	165	94	0	0	0	0	0
NT120F	251	93	0	0	0	2	0
	252	93	0	0	0	0	0
	253	93	0	0	0	2	0
	254	93	0	0	0	2	0
	255	93	0	0	0	0	0
	261	94	0	0	0	3	0
	262	94	0	0	0	0	0
	263	94	0	0	0	0	0
	264	94	0	0	0	4	0
	265	94	0	0	0	1	0
B6F	351	93	0	0	0	4	0
	352	93	0	0	0	2	0
	353	93	0	0	0	2	0
	354	93	0	0	0	2	0
	355	93	0	0	0	2	0
	361	94	0	0	0	6	0

Table 24. Individual Animal Urine Sediment Data – Females

Group	Animal ID	Day	White Blood Cells	Red Blood Cells	Casts	Epithelial Cells	Sperm
			(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))
B6F	362	94	0	0	0	0	0
	363	94	0	0	0	1	0
	364	94	0	0	0	0	0
	365	94	0	0	0	3	0
B60F	451	93	0	0	0	2	0
	452	93	0	0	0	0	0
	453	93	0	0	0	0	0
	454	93	2	0	0	2	0
	455	93	0	0	0	0	0
	461	94	0	0	0	0	0
	462	94	0	0	0	1	0
	463	94	0	0	0	0	0
	464	94	0	0	0	0	0
	465	94	0	0	0	1	0
B120F	551	93	2	0	0	2	0
	552	93	0	0	0	2	0
	553	93	0	0	0	8	0
	554	93	0	0	0	0	0
	555	93	0	0	0	2	0
	561	94	0	0	0	2	0
	562	94	0	0	0	3	0
	563	94	0	0	0	1	0
	564	94	0	0	0	2	0
	565	94	0	0	0	1	0
E6F	651	93	2	0	0	2	0
	652	93	2	0	0	4	0

Table 24. Individual Animal Urine Sediment Data – Females

Group	Animal ID	Day	White Blood Cells	Red Blood Cells	Casts	Epithelial Cells	Sperm
			(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))
E6F	653	93	0	0	0	0	0
	654	93	0	0	0	2	0
	655	93	0	0	0	0	0
	661	94	0	0	0	2	0
	662	94	0	0	0	1	0
	663	94	0	0	0	0	0
	664	94	0	0	0	0	0
	665	94	0	0	0	2	0
E60F	751	93	2	0	0	2	0
	752	93	0	0	0	6	0
	753	93	0	0	0	10	0
	754	93	0	0	0	0	0
	755	93	0	0	0	0	0
	761	94	0	0	0	0	0
	763	94	1	0	0	1	0
	764	94	1	0	0	0	0
	765	94	2	0	0	0	0
E120F	851	93	0	0	0	2	0
	852	93	0	0	0	4	0
	853	93	0	0	0	2	0
	854	93	0	0	0	0	0
	855	93	0	0	0	2	0
	861	94	0	0	0	0	0
	862	94	0	0	0	4	0
	863	94	0	0	0	0	0
	864	94	0	0	0	1	0
	865	94	0	0	0	0	0

Table 25. Group Mean Absolute Organ Weights (g) – Males

Group		Brain	Epididymides	Heart	Kidneys	Liver	Lungs
CM	Mean	0.502	0.1034	0.266	0.610	1.424	0.426
	SD	0.029	0.0141	0.048	0.076	0.160	0.099
	N	20	20	20	20	20	20
NT120M	Mean	0.479 ^a	0.0918 ^a	0.207 ^A	0.488 ^A	1.201 ^A	0.395
	SD	0.023	0.0151	0.048	0.063	0.156	0.114
	N	20	20	20	20	20	20
B6M	Mean	0.494	0.0942 ^a	0.251	0.613	1.398	0.421
	SD	0.025	0.0076	0.044	0.073	0.103	0.095
	N	20	20	20	20	20	20
B60M	Mean	0.497	0.1001	0.221 ^A	0.513 ^A	1.256 ^A	0.413
	SD	0.038	0.0160	0.044	0.077	0.178	0.086
	N	20	20	20	20	20	20
B120M	Mean	0.485 ^a	0.0888 ^a	0.204 ^A	0.454 ^A	1.234 ^A	0.359
	SD	0.017	0.0088	0.039	0.050	0.132	0.102
	N	20	20	20	20	20	20
E6M	Mean	0.502	0.1068 ^c	0.263	0.606	1.402	0.424
	SD	0.024	0.0146	0.036	0.085	0.153	0.068
	N	20	20	20	20	20	20
E60M	Mean	0.492	0.0947 ^a	0.231 ^A	0.521 ^A	1.295 ^A	0.409
	SD	0.024	0.0122	0.032	0.060	0.150	0.097
	N	20	20	20	20	20	20
E120M	Mean	0.482 ^a	0.0910 ^a	0.206 ^A	0.468 ^A	1.199 ^A	0.386
	SD	0.024	0.0107	0.035	0.059	0.102	0.071
	N	20	20	20	20	20	20

Table 25. Group Mean Absolute Organ Weights (g) – Males

Group		Prostate	Salivary Gland	Spleen	Testes	Thymus
CM	Mean	0.079	0.274	0.081	0.256	0.026
	SD	0.025	0.042	0.024	0.035	0.008
	N	20	20	20	20	20
NT120M	Mean	0.069	0.204 ^A	0.070	0.246	0.021
	SD	0.018	0.032	0.026	0.027	0.006
	N	20	20	20	20	20
B6M	Mean	0.073	0.268	0.076	0.228	0.026
	SD	0.019	0.034	0.017	0.036	0.008
	N	20	20	20	20	20
B60M	Mean	0.062 ^a	0.227 ^A	0.068	0.248	0.022
	SD	0.021	0.028	0.019	0.031	0.007
	N	20	20	20	20	20
B120M	Mean	0.066	0.203 ^A	0.063 ^a	0.238	0.024
	SD	0.014	0.029	0.017	0.031	0.007
	N	20	20	20	20	20
E6M	Mean	0.080	0.251	0.078	0.247	0.029
	SD	0.029	0.026	0.017	0.035	0.011
	N	20	20	20	20	20
E60M	Mean	0.069	0.224 ^A	0.066 ^a	0.229	0.023
	SD	0.028	0.025	0.013	0.048	0.009
	N	20	20	20	20	20
E120M	Mean	0.060 ^a	0.207 ^A	0.063 ^a	0.235	0.025
	SD	0.014	0.041	0.012	0.030	0.009
	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. NT120M, B6M, B60M, B120M, E6M, E60M, E120M.

B = NT120M vs. B120M, E120M.

C = Corresponding blend vs. extract dose groups (B6M vs. E6M, B60M vs. E60M, B120M vs. E120M).

Table 26. Group Mean Absolute Organ Weights (g) – Females

Group		Brain	Heart	Kidneys	Liver	Lungs	Salivary Gland
CF	Mean	0.499	0.170	0.335	1.110	0.335	0.152
	SD	0.023	0.033	0.036	0.115	0.076	0.019
	N	20	20	20	20	20	20
NT120F	Mean	0.487	0.150	0.303 ^A	0.941 ^A	0.283 ^A	0.135
	SD	0.024	0.025	0.030	0.101	0.057	0.024
	N	20	20	20	20	20	20
B6F	Mean	0.501	0.168	0.315	1.054	0.315	0.146
	SD	0.025	0.031	0.031	0.109	0.050	0.023
	N	20	20	20	20	20	20
B60F	Mean	0.489	0.176	0.320	1.016	0.327	0.140
	SD	0.024	0.031	0.033	0.134	0.069	0.013
	N	20	20	20	20	20	20
B120F	Mean	0.496	0.173 ^B	0.309	1.031 ^B	0.299	0.134 ^A
	SD	0.029	0.034	0.041	0.151	0.047	0.024
	N	20	20	20	20	20	20
E6F	Mean	0.499	0.167	0.327	1.102	0.319	0.142
	SD	0.025	0.030	0.032	0.115	0.075	0.015
	N	20	20	20	20	20	20
E60F	Mean	0.486	0.169	0.314	1.013	0.316	0.146
	SD	0.031	0.032	0.039	0.094	0.069	0.021
	N	20	20	20	20	19	20
E120F	Mean	0.490	0.141 ^{A,C}	0.297 ^A	1.000 ^A	0.286	0.130 ^A
	SD	0.023	0.024	0.021	0.096	0.045	0.019
	N	20	20	20	20	19	20

Table 26. Group Mean Absolute Organ Weights (g) – Females

Group		Spleen	Thymus	Uterus
CF	Mean	0.085	0.032	0.182
	SD	0.018	0.007	0.082
	N	20	20	20
NT120F	Mean	0.073	0.028	0.223
	SD	0.017	0.007	0.065
	N	20	20	20
B6F	Mean	0.078	0.034	0.191
	SD	0.012	0.010	0.061
	N	20	20	20
B60F	Mean	0.076	0.027	0.177
	SD	0.020	0.008	0.057
	N	20	20	20
B120F	Mean	0.074	0.029	0.163 ^B
	SD	0.015	0.007	0.045
	N	20	20	20
E6F	Mean	0.075	0.030	0.177
	SD	0.016	0.008	0.079
	N	20	20	20
E60F	Mean	0.087	0.029	0.187
	SD	0.023	0.006	0.086
	N	20	20	20
E120F	Mean	0.073	0.031	0.167 ^B
	SD	0.016	0.009	0.070
	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. NT120F, B6F, B60F, B120F, E6F, E60F, E120F.

B = NT120F vs. B120F, E120F.

C = Corresponding blend vs. extract dose groups (B6F vs. E6F, B60F vs. E60F, B120F vs. E120F).

Table 27. Group Mean Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Males

Group	Terminal Body Weight		Brain	Epididymides	Heart	Kidneys	Liver
CM	Mean	35.9	1.403	0.2886	0.742	1.700	3.970
	SD	2.8	0.112	0.0364	0.123	0.167	0.398
	N	20	20	20	20	20	20
NT120M	Mean	30.0 ^A	1.600 ^A	0.3058	0.689	1.627	3.992
	SD	2.2	0.109	0.0446	0.146	0.196	0.364
	N	20	20	20	20	20	20
B6M	Mean	36.1	1.372	0.2614	0.697	1.702	3.872
	SD	2.5	0.110	0.0244	0.116	0.230	0.206
	N	20	20	20	20	20	20
B60M	Mean	32.9 ^A	1.523 ^A	0.3052	0.671	1.556	3.808
	SD	3.4	0.163	0.0473	0.102	0.155	0.296
	N	20	20	20	20	20	20
B120M	Mean	29.7 ^A	1.641 ^A	0.3006	0.687	1.533 ^A	4.158
	SD	2.6	0.145	0.0363	0.114	0.150	0.334
	N	20	20	20	20	20	20
E6M	Mean	35.8	1.409	0.2993 ^c	0.737	1.691	3.912
	SD	2.9	0.115	0.0419	0.103	0.205	0.300
	N	20	20	20	20	20	20
E60M	Mean	32.6 ^A	1.516 ^A	0.2924	0.712	1.602	3.971
	SD	2.5	0.082	0.0438	0.090	0.152	0.271
	N	20	20	20	20	20	20
E120M	Mean	29.7 ^A	1.629 ^A	0.3076	0.691	1.573	4.039
	SD	2.2	0.120	0.0400	0.096	0.131	0.275
	N	20	20	20	20	20	20

Table 27. Group Mean Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Males

		Terminal Body Weight	Lungs	Prostate	Salivary Gland	Spleen	Testes
CM	Mean	35.9	1.186	0.219	0.762	0.224	0.715
	SD	2.8	0.255	0.069	0.105	0.060	0.088
	N	20	20	20	20	20	20
NT120M	Mean	30.0 ^A	1.309	0.231	0.676 ^A	0.233	0.824 ^A
	SD	2.2	0.344	0.063	0.085	0.073	0.125
	N	20	20	20	20	20	20
B6M	Mean	36.1	1.166	0.203	0.743	0.210	0.634
	SD	2.5	0.251	0.052	0.102	0.046	0.112
	N	20	20	20	20	20	20
B60M	Mean	32.9 ^A	1.251	0.189	0.692	0.204	0.760
	SD	3.4	0.216	0.059	0.086	0.047	0.108
	N	20	20	20	20	20	20
B120M	Mean	29.7 ^A	1.206	0.222	0.684 ^A	0.210	0.807
	SD	2.6	0.311	0.052	0.090	0.040	0.133
	N	20	20	20	20	20	20
E6M	Mean	35.8	1.185	0.223	0.702	0.218	0.697
	SD	2.9	0.189	0.075	0.066	0.044	0.128
	N	20	20	20	20	20	20
E60M	Mean	32.6 ^A	1.259	0.209	0.687 ^A	0.203	0.709
	SD	2.5	0.295	0.074	0.064	0.036	0.161
	N	20	20	20	20	20	20
E120M	Mean	29.7 ^A	1.303	0.204	0.694	0.211	0.795
	SD	2.2	0.236	0.049	0.107	0.040	0.129
	N	20	20	20	20	20	20

Table 27. Group Mean Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Males

Group	Terminal Body Weight		Thymus
	Mean	SD	
CM	Mean	35.9	0.073
	SD	2.8	0.023
	N	20	20
NT120M	Mean	30.0 ^A	0.069
	SD	2.2	0.019
	N	20	20
B6M	Mean	36.1	0.073
	SD	2.5	0.022
	N	20	20
B60M	Mean	32.9 ^A	0.065
	SD	3.4	0.018
	N	20	20
B120M	Mean	29.7 ^A	0.079
	SD	2.6	0.022
	N	20	20
E6M	Mean	35.8	0.082
	SD	2.9	0.027
	N	20	20
E60M	Mean	32.6 ^A	0.069
	SD	2.5	0.022
	N	20	20
E120M	Mean	29.7 ^A	0.083
	SD	2.2	0.027
	N	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. NT120M, B6M, B60M, B120M, E6M, E60M, E120M.

B = NT120M vs. B120M, E120M.

C = Corresponding blend vs. extract dose groups (B6M vs. E6M, B60M vs. E60M, B120M vs. E120M).

Table 28. Group Mean Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Females

		Terminal Body Weight	Brain	Heart	Kidneys	Liver	Lungs
Group	Mean	27.0	1.862	0.631	1.249	4.122	1.242
	SD	2.7	0.183	0.122	0.153	0.376	0.261
	N	20	20	20	20	20	20
CF	Mean	27.0	1.862	0.631	1.249	4.122	1.242
	SD	2.7	0.183	0.122	0.153	0.376	0.261
	N	20	20	20	20	20	20
NT120F	Mean	24.2 ^A	2.022 ^A	0.620	1.249	3.883	1.169
	SD	2.0	0.166	0.103	0.075	0.258	0.231
	N	20	20	20	20	20	20
B6F	Mean	26.3	1.923	0.641	1.205	4.019	1.201
	SD	2.4	0.197	0.120	0.125	0.324	0.174
	N	20	20	20	20	20	20
B60F	Mean	24.7 ^A	1.990	0.712	1.296	4.107	1.328
	SD	2.0	0.147	0.099	0.103	0.340	0.281
	N	20	20	20	20	20	20
B120F	Mean	24.9 ^A	1.995	0.696	1.240	4.128	1.196
	SD	1.9	0.140	0.125	0.150	0.443	0.155
	N	20	20	20	20	20	20
E6F	Mean	26.4	1.897	0.634	1.237	4.165	1.206
	SD	1.6	0.162	0.119	0.114	0.303	0.268
	N	20	20	20	20	20	20
E60F	Mean	25.3	1.922	0.670	1.242	3.997	1.259
	SD	1.8	0.135	0.128	0.132	0.230	0.295
	N	20	20	20	20	20	19
E120F	Mean	24.2 ^A	2.032 ^A	0.584 ^C	1.229	4.138 ^B	1.181
	SD	1.6	0.149	0.102	0.089	0.339	0.187
	N	20	20	20	20	20	19

Table 28. Group Mean Terminal Body Weights (g) and Percent Organ to Body Weight Ratios – Females

		Terminal Body Weight	Salivary Gland	Spleen	Thymus	Uterus
Group	Mean	27.0	0.565	0.315	0.120	0.683
	SD	2.7	0.080	0.066	0.027	0.313
	N	20	20	20	20	20
NT120F	Mean	24.2 ^A	0.559	0.300	0.115	0.921 ^A
	SD	2.0	0.082	0.064	0.030	0.257
	N	20	20	20	20	20
B6F	Mean	26.3	0.556	0.298	0.131	0.736
	SD	2.4	0.088	0.052	0.038	0.257
	N	20	20	20	20	20
B60F	Mean	24.7 ^A	0.566	0.306	0.109	0.717
	SD	2.0	0.049	0.069	0.027	0.234
	N	20	20	20	20	20
B120F	Mean	24.9 ^A	0.540	0.294	0.115	0.659 ^B
	SD	1.9	0.091	0.044	0.028	0.195
	N	20	20	20	20	20
E6F	Mean	26.4	0.538	0.281	0.115	0.671
	SD	1.6	0.065	0.052	0.027	0.294
	N	20	20	20	20	20
E60F	Mean	25.3	0.576	0.343	0.112	0.732
	SD	1.8	0.071	0.090	0.022	0.314
	N	20	20	20	20	20
E120F	Mean	24.2 ^A	0.536	0.300	0.126	0.687 ^B
	SD	1.6	0.068	0.055	0.035	0.267
	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 = CF vs. NT120F, B6F, B60F, B120F, E6F, E60F, E120F.

B = NT120F vs. B120F, E120F.

C = Corresponding blend vs. extract dose groups (B6F vs. E6F, B60F vs. E60F, B120F vs. E120F).

Table 29. Group Mean Absolute Brain Weights (g) and Percent Organ to Brain Weight Ratios – Males

Group	Absolute Brain Weight		Epididymides	Heart	Kidneys	Liver	Lungs
CM	Mean	0.502	20.578	53.21	122.02	283.92	85.30
	SD	0.029	2.183	9.73	17.04	30.20	20.81
	N	20	20	20	20	20	20
NT120M	Mean	0.479 ^a	19.210	43.19 ^A	102.09 ^A	250.30 ^A	82.36
	SD	0.023	3.318	9.28	13.78	25.51	23.62
	N	20	20	20	20	20	20
B6M	Mean	0.494	19.115 ^a	50.88	124.46	283.71	85.21
	SD	0.025	1.781	8.08	16.95	23.56	18.18
	N	20	20	20	20	20	20
B60M	Mean	0.497	20.229	44.47 ^A	103.34 ^A	253.49 ^A	83.22
	SD	0.038	3.726	8.10	15.16	38.59	18.51
	N	20	20	20	20	20	20
B120M	Mean	0.485 ^a	18.339 ^a	42.21 ^A	93.84 ^A	254.55 ^A	74.23
	SD	0.017	1.863	8.17	10.57	24.92	21.25
	N	20	20	20	20	20	20
E6M	Mean	0.502	21.261 ^C	52.37	120.54	279.01	84.42
	SD	0.024	2.507	6.76	15.41	25.63	12.67
	N	20	20	20	20	20	20
E60M	Mean	0.492	19.285	46.96	105.90 ^A	262.82	83.18
	SD	0.024	2.585	5.54	10.71	23.48	19.28
	N	20	20	20	20	20	20
E120M	Mean	0.482 ^a	18.884 ^a	42.64 ^A	97.36 ^A	249.24 ^A	80.30
	SD	0.024	2.049	6.90	13.76	25.47	15.55
	N	20	20	20	20	20	20

Table 29. Group Mean Absolute Brain Weights (g) and Percent Organ to Brain Weight Ratios – Males

		Absolute Brain Weight	Prostate	Salivary Gland	Spleen	Testes	Thymus
CM	Mean	0.502	15.65	54.56	16.10	51.04	5.23
	SD	0.029	4.80	7.92	4.76	5.85	1.57
	N	20	20	20	20	20	20
NT120M	Mean	0.479 ^a	14.44	42.55 ^A	14.71	51.52	4.37
	SD	0.023	3.84	6.77	5.43	7.17	1.28
	N	20	20	20	20	20	20
B6M	Mean	0.494	14.94	54.22	15.38	46.17	5.40
	SD	0.025	4.18	6.60	3.24	7.64	1.73
	N	20	20	20	20	20	20
B60M	Mean	0.497	12.66	45.67 ^A	13.69	50.23	4.41
	SD	0.038	4.54	5.61	3.77	7.67	1.49
	N	20	20	20	20	20	20
B120M	Mean	0.485 ^a	13.53	41.81 ^A	13.03 ^a	49.16	4.88
	SD	0.017	2.93	5.39	3.45	6.85	1.43
	N	20	20	20	20	20	20
E6M	Mean	0.502	15.91	50.05 ^C	15.59	49.41	5.87
	SD	0.024	5.41	4.99	3.24	7.53	2.11
	N	20	20	20	20	20	20
E60M	Mean	0.492	13.90	45.41 ^A	13.42 ^a	46.76	4.60
	SD	0.024	5.30	4.14	2.50	10.28	1.64
	N	20	20	20	20	20	20
E120M	Mean	0.482 ^a	12.56	42.94 ^A	13.01 ^a	48.74	5.18
	SD	0.024	3.08	8.13	2.62	6.30	1.94
	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. NT120M, B6M, B60M, B120M, E6M, E60M, E120M.

B = NT120M vs. B120M, E120M.

C = Corresponding blend vs. extract dose groups (B6M vs. E6M, B60M vs. E60M, B120M vs. E120M).

Table 30. Group Mean Absolute Brain Weights (g) and Percent Organ to Brain Weight Ratios – Females

		Absolute Brain Weight	Heart	Kidneys	Liver	Lungs	Salivary Gland
Group	Mean	0.499	34.01	67.28	222.95	67.20	30.44
	SD	0.023	6.44	7.17	25.32	14.96	3.88
	N	20	20	20	20	20	20
CF	Mean	0.487	30.83	62.11	193.44 ^A	58.20	27.88
	SD	0.024	5.52	5.53	21.81	12.28	5.34
	N	20	20	20	20	20	20
NT120F	Mean	0.501	33.42	62.94	210.56	63.00	29.13
	SD	0.025	5.75	6.25	22.44	10.24	5.07
	N	20	20	20	20	20	20
B6F	Mean	0.489	35.94	65.41	207.84	67.18	28.55
	SD	0.024	5.51	6.59	25.77	14.89	2.58
	N	20	20	20	20	20	20
B60F	Mean	0.496	35.11	62.40	208.13	60.25	27.17
	SD	0.029	7.02	8.35	29.22	8.99	4.86
	N	20	20	20	20	20	20
B120F	Mean	0.499	33.61	65.57	221.36	64.18	28.50
	SD	0.025	6.56	7.53	26.47	15.73	3.54
	N	20	20	20	20	20	20
E6F	Mean	0.486	35.02	64.74	208.87	65.19	30.02
	SD	0.031	7.02	6.95	18.12	14.14	3.75
	N	20	20	20	20	19	20
E60F	Mean	0.490	28.85 ^{A,C}	60.74 ^A	204.41	58.28	26.51 ^A
	SD	0.023	5.26	5.61	19.96	9.51	3.89
	N	20	20	20	20	19	20
E120F	Mean	0.490	28.85 ^{A,C}	60.74 ^A	204.41	58.28	26.51 ^A
	SD	0.023	5.26	5.61	19.96	9.51	3.89
	N	20	20	20	20	19	20

Table 30. Group Mean Absolute Brain Weights (g) and Percent Organ to Brain Weight Ratios – Females

Group	Absolute Brain Weight		Spleen	Thymus	Uterus
	Mean	SD			
CF	Mean	0.499	17.04	6.47	36.96
	SD	0.023	3.73	1.47	17.59
	N	20	20	20	20
NT120F	Mean	0.487	15.03	5.73	46.00
	SD	0.024	3.72	1.50	13.88
	N	20	20	20	20
B6F	Mean	0.501	15.53	6.89	38.01
	SD	0.025	2.55	2.02	12.00
	N	20	20	20	20
B60F	Mean	0.489	15.55	5.55	36.06
	SD	0.024	4.07	1.60	11.23
	N	20	20	20	20
B120F	Mean	0.496	14.87	5.77	33.05 ^B
	SD	0.029	2.90	1.46	9.77
	N	20	20	20	20
E6F	Mean	0.499	15.02	6.10	35.75
	SD	0.025	3.34	1.58	16.42
	N	20	20	20	20
E60F	Mean	0.486	17.90	5.90	38.47
	SD	0.031	4.69	1.36	17.76
	N	20	20	20	20
E120F	Mean	0.490	14.90	6.23	34.12 ^B
	SD	0.023	3.10	1.73	14.01
	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. NT120F, B6F, B60F, B120F, E6F, E60F, E120F.

B = NT120F vs. B120F, E120F.

C = Corresponding blend vs. extract dose groups (B6F vs. E6F, B60F vs. E60F, B120F vs. E120F).

Table 31. Incidence Summary of All Microscopic Observations – Males

Group Legend: 1=CM; 2=NT120M; 3=B6M; 4=B60M; 5=B120M; 6=E6M; 7=E60M; 8=E120M									
		Number Observed Per Group							
Tissue/Observation	Group:	1	2	3	4	5	6	7	8
Adrenal Gland	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Bone	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
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
No Remarkable Observations									
Colon	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
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
Aspermia, Unilateral		1	0	-	-	0	-	-	0
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
Cataract, Unilateral		0	0	-	-	0	-	-	1
Unilateral Rupture		0	0	-	-	1	-	-	0
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
Atrophy		1	1	-	-	0	-	-	3
Increased Porphyrin Pigment		0	0	-	-	0	-	-	0
Inflammation, Chronic		0	0	-	-	2	-	-	1

Group Legend: 1=CM; 2=NT120M; 3=B6M; 4=B60M; 5=B120M; 6=E6M; 7=E60M; 8=E120M

Group Legend: 1=CM; 2=NT120M; 3=B6M; 4=B60M; 5=B120M; 6=E6M; 7=E60M; 8=E120M									
		Number Observed Per Group							
Tissue/Observation	Group:	1	2	3	4	5	6	7	8
Nose/Turbinates	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
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
Necrosis		0	0	-	-	1	-	-	0
Parathyroid	Number Examined:	15	19	0	0	9	0	0	18
No Remarkable Observations									
Pharynx	Number Examined:	20	19	0	0	20	0	0	20
No Remarkable Observations									
Pituitary Gland	Number Examined:	20	19	0	0	20	0	0	19
No Remarkable Observations									
Preputial Gland	Number Examined:	20	20	0	0	20	0	0	20
Atrophy, Unilateral		0	0	-	-	1	-	-	0
Chronic Inflammation, Unilateral		0	2	-	-	0	-	-	0
Pyogranuloma, Unilateral		1	1	-	-	1	-	-	2
Prostate	Number Examined:	20	20	0	0	20	0	0	20
Pyogranuloma(s)		0	0	-	-	0	-	-	0
Rectum	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Salivary Gland	Number Examined:	20	20	0	0	20	0	0	20
Infiltration, Mononuclear Cells		0	0	-	-	0	-	-	0
Sciatic Nerve	Number Examined:	20	20	0	0	20	0	0	20
Infiltration, Perineural Tissue, Macrophages		0	0	-	-	0	-	-	0
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									

Group Legend: 1=CM; 2=NT120M; 3=B6M; 4=B60M; 5=B120M; 6=E6M; 7=E60M; 8=E120M

Group Legend: 1=CM; 2=NT120M; 3=B6M; 4=B60M; 5=B120M; 6=E6M; 7=E60M; 8=E120M									
		Number Observed Per Group							
Tissue/Observation	Group:	1	2	3	4	5	6	7	8
Skin	Number Examined:	20	20	0	0	20	0	0	20
Abscess		0	0	-	-	0	-	-	0
Chronic Inflammation		0	0	-	-	0	-	-	0
Hyperplasia, Epidermis		1	0	-	-	0	-	-	0
Ulcer		0	0	-	-	0	-	-	0
Spinal Cord	Number Examined:	20	20	0	0	20	0	0	20
Cyst		0	1	-	-	0	-	-	0
Spleen	Number Examined:	20	20	0	0	20	0	0	20
Increased Apoptosis, Lymphocytes		0	0	-	-	1	-	-	0
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
Hyperplasia/Dilatation, Epithelium, Mucosa, Glandular Portion		2	3	-	-	4	-	-	3
Infiltration, Tunica Muscularis, Lymphocytic		0	0	-	-	1	-	-	0
Inflammation, Chronic, Tunica Muscularis		1	0	-	-	0	-	-	0
Testis	Number Examined:	20	20	0	0	20	0	0	20
Atrophy, Germinal Epithelium, Bilateral		1	0	-	-	1	-	-	1
Atrophy, Germinal Epithelium, Unilateral		1	0	-	-	0	-	-	2
Thymus	Number Examined:	20	20	0	0	20	0	0	20
Atrophy/Involution		0	0	-	-	1	-	-	0
Increased Apoptosis, Lymphocytes		0	0	-	-	1	-	-	0
Thyroid Gland	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Tongue	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Trachea	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									

Table 32. Incidence Summary of All Microscopic Observations – Females

Group Legend: 1=CF; 2=NT120F; 3=B6F; 4=B60F; 5=B120F; 6=E6F; 7=E60F; 8=E120F		Number Observed Per Group							
Tissue/Observation	Group:	1	2	3	4	5	6	7	8
Adrenal Gland	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Bone	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
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
No Remarkable Observations									
Clitoral Gland	Number Examined:	20	20	0	0	20	0	0	20
Pyogranuloma		0	1	-	-	1	-	-	0
Colon	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Duodenum	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
Cataract, Unilateral		0	0	-	-	0	-	-	0
Unilateral Rupture		0	0	-	-	0	-	-	0
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
Atrophy		11	9	-	-	10	-	-	7
Increased Porphyrin Pigment		0	0	-	-	1	-	-	0
Inflammation, Chronic		1	3	-	-	0	-	-	1

Table 32. Incidence Summary of All Microscopic Observations – Females

Group Legend: 1=CF; 2=NT120F; 3=B6F; 4=B60F; 5=B120F; 6=E6F; 7=E60F; 8=E120F		Number Observed Per Group							
Tissue/Observation	Group:	1	2	3	4	5	6	7	8
Nose/Turbinates	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
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
Cyst		3	4	-	-	5	-	-	2
Pancreas	Number Examined:	20	20	0	0	20	0	0	20
Necrosis		0	0	-	-	0	-	-	0
Parathyroid	Number Examined:	11	9	0	0	14	0	0	13
No Remarkable Observations									
Pharynx	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Pituitary Gland	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Rectum	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations									
Salivary Gland	Number Examined:	20	20	0	0	20	0	0	20
Infiltration, Mononuclear Cells		0	2	-	-	1	-	-	0
Sciatic Nerve	Number Examined:	20	20	0	0	20	0	0	20
Infiltration, Perineural Tissue, Macrophages		0	1	-	-	0	-	-	0
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
Abscess		1	0	-	-	0	-	-	1
Chronic Inflammation		0	0	-	-	2	-	-	3
Hyperplasia, Epidermis		0	0	-	-	0	-	-	0
Ulcer		0	0	-	-	0	-	-	2

Table 33. Incidence Summary of Microscopic Nonneoplastic Graded Observations with Average Severity – Males

Group Legend: 1=CM; 2=NT120M; 3=B6M; 4=B60M; 5=B120M; 6=E6M; 7=E60M; 8=E120M		Number Observed Per Group							
Tissue/Observation	Group:	1	2	3	4	5	6	7	8
Adrenal Gland	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
Bone	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
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
No Remarkable Observations		-	-	-	-	-	-	-	-
Colon	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
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
Aspermia, Unilateral		1	0	-	-	0	-	-	0
	Average Severity:	0.2	0.0	-	-	0.0	-	-	0.0
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
Cataract, Unilateral		0	0	-	-	0	-	-	1
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.2
Unilateral Rupture		0	0	-	-	1	-	-	0
	Average Severity:	0.0	0.0	-	-	0.2	-	-	0.0
Femur	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-

Table 33. Incidence Summary of Microscopic Nonneoplastic Graded Observations with Average Severity – Males

Group Legend: 1=CM; 2=NT120M; 3=B6M; 4=B60M; 5=B120M; 6=E6M; 7=E60M; 8=E120M		Number Observed Per Group							
Tissue/Observation	Group:	1	2	3	4	5	6	7	8
Harderian Gland	Number Examined:	20	20	0	0	20	0	0	20
Atrophy		1	1	-	-	0	-	-	3
	Average Severity:	0.1	0.1	-	-	0.0	-	-	0.2
Increased Porphyrin Pigment		0	0	-	-	0	-	-	0
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.0
Inflammation, Chronic		0	0	-	-	2	-	-	1
	Average Severity:	0.0	0.0	-	-	0.1	-	-	0.1
Heart	Number Examined:	20	20	0	0	20	0	0	20
Cardiomyopathy		0	1	-	-	0	-	-	0
	Average Severity:	0.0	0.1	-	-	0.0	-	-	0.0
Infiltration, Mononuclear Cells, Epicardium		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	1	0	20
Diverticulum		0	0	-	-	0	1	-	0
	Average Severity:	0.0	0.0	-	-	0.0	2.0	-	0.0
Kidney	Number Examined:	20	20	0	0	20	0	0	20
Granuloma		0	1	-	-	0	-	-	0
	Average Severity:	0.0	0.1	-	-	0.0	-	-	0.0
Hyperplasia, Plasma Cells		0	0	-	-	0	-	-	0
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.0
Infiltration, Mononuclear Cells, Perirenal Fat		0	1	-	-	0	-	-	0
	Average Severity:	0.0	0.1	-	-	0.0	-	-	0.0
Mineralization		0	0	-	-	0	-	-	0
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.0
Nephropathy		8	9	-	-	8	-	-	4
	Average Severity:	0.5	0.5	-	-	0.4	-	-	0.2

Table 33. Incidence Summary of Microscopic Nonneoplastic Graded Observations with Average Severity – Males

Group Legend: 1=CM; 2=NT120M; 3=B6M; 4=B60M; 5=B120M; 6=E6M; 7=E60M; 8=E120M		Number Observed Per Group							
Tissue/Observation	Group:	1	2	3	4	5	6	7	8
Liver	Number Examined:	20	20	0	0	20	0	0	20
Eosinophilic Focus		0	0	-	-	0	-	-	0
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.0
Infiltration, Mononuclear Cells		1	1	-	-	0	-	-	1
	Average Severity:	0.1	0.1	-	-	0.0	-	-	0.1
Lung	Number Examined:	20	20	0	0	20	0	0	20
Hyperplasia, Alveolar Lining Cells/Bronchial Epithelium Focal		1	0	-	-	0	-	-	0
	Average Severity:	0.1	0.0	-	-	0.0	-	-	0.0
Inflammation, Subacute		0	0	-	-	1	-	-	0
	Average Severity:	0.0	0.0	-	-	0.1	-	-	0.0
Lymph Node, Mesenteric	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
Lymph Node, Other	Number Examined:	0	0	0	0	0	0	0	0
Hyperplasia, Lymphoid		-	-	-	-	-	-	-	-
	Average Severity:	-	-	-	-	-	-	-	-
Pigment		-	-	-	-	-	-	-	-
	Average Severity:	-	-	-	-	-	-	-	-
Mammary Gland	Number Examined:	2	0	0	0	3	0	0	1
No Remarkable Observations		-	-	-	-	-	-	-	-
Nose/Turbinates	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
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
Necrosis		0	0	-	-	1	-	-	0
	Average Severity:	0.0	0.0	-	-	0.1	-	-	0.0

Table 33. Incidence Summary of Microscopic Nonneoplastic Graded Observations with Average Severity – Males

Group Legend: 1=CM; 2=NT120M; 3=B6M; 4=B60M; 5=B120M; 6=E6M; 7=E60M; 8=E120M		Number Observed Per Group							
Tissue/Observation	Group:	1	2	3	4	5	6	7	8
Parathyroid	Number Examined:	15	19	0	0	9	0	0	18
No Remarkable Observations		-	-	-	-	-	-	-	-
Pharynx	Number Examined:	20	19	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
Pituitary Gland	Number Examined:	20	19	0	0	20	0	0	19
No Remarkable Observations		-	-	-	-	-	-	-	-
Preputial Gland	Number Examined:	20	20	0	0	20	0	0	20
Atrophy, Unilateral		0	0	-	-	1	-	-	0
Average Severity:		0.0	0.0	-	-	0.2	-	-	0.0
Chronic Inflammation, Unilateral		0	2	-	-	0	-	-	0
Average Severity:		0.0	0.2	-	-	0.0	-	-	0.0
Pyogranuloma, Unilateral		1	1	-	-	1	-	-	2
Average Severity:		0.1	0.1	-	-	0.1	-	-	0.2
Prostate	Number Examined:	20	20	0	0	20	0	0	20
Pyogranuloma(s)		0	0	-	-	0	-	-	0
Average Severity:		0.0	0.0	-	-	0.0	-	-	0.0
Rectum	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
Salivary Gland	Number Examined:	20	20	0	0	20	0	0	20
Infiltration, Mononuclear Cells		0	0	-	-	0	-	-	0
Average Severity:		0.0	0.0	-	-	0.0	-	-	0.0
Sciatic Nerve	Number Examined:	20	20	0	0	20	0	0	20
Infiltration, Perineural Tissue, Macrophages		0	0	-	-	0	-	-	0
Average Severity:		0.0	0.0	-	-	0.0	-	-	0.0
Seminal Vesicle	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-

Table 33. Incidence Summary of Microscopic Nonneoplastic Graded Observations with Average Severity – Males

Group Legend: 1=CM; 2=NT120M; 3=B6M; 4=B60M; 5=B120M; 6=E6M; 7=E60M; 8=E120M		Number Observed Per Group							
Tissue/Observation	Group:	1	2	3	4	5	6	7	8
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
Abscess		0	0	-	-	0	-	-	0
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.0
Chronic Inflammation		0	0	-	-	0	-	-	0
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.0
Hyperplasia, Epidermis		1	0	-	-	0	-	-	0
	Average Severity:	0.1	0.0	-	-	0.0	-	-	0.0
Ulcer		0	0	-	-	0	-	-	0
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.0
Spinal Cord	Number Examined:	20	20	0	0	20	0	0	20
Cyst		0	1	-	-	0	-	-	0
	Average Severity:	0.0	0.1	-	-	0.0	-	-	0.0
Spleen	Number Examined:	20	20	0	0	20	0	0	20
Increased Apoptosis, Lymphocytes		0	0	-	-	1	-	-	0
	Average Severity:	0.0	0.0	-	-	0.1	-	-	0.0
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
Hyperplasia/Dilatation, Epithelium, Mucosa, Glandular Portion		2	3	-	-	4	-	-	3
	Average Severity:	0.1	0.2	-	-	0.2	-	-	0.2
Infiltration, Tunica Muscularis, Lymphocytic		0	0	-	-	1	-	-	0
	Average Severity:	0.0	0.0	-	-	0.1	-	-	0.0
Inflammation, Chronic, Tunica Muscularis		1	0	-	-	0	-	-	0
	Average Severity:	0.1	0.0	-	-	0.0	-	-	0.0

Table 33. Incidence Summary of Microscopic Nonneoplastic Graded Observations with Average Severity – Males

Group Legend: 1=CM; 2=NT120M; 3=B6M; 4=B60M; 5=B120M; 6=E6M; 7=E60M; 8=E120M									
Tissue/Observation		Number Observed Per Group							
		1	2	3	4	5	6	7	8
Testis	Number Examined:	20	20	0	0	20	0	0	20
Atrophy, Germinal Epithelium, Bilateral		1	0	-	-	1	-	-	1
Average Severity:		0.1	0.0	-	-	0.1	-	-	0.1
Atrophy, Germinal Epithelium, Unilateral		1	0	-	-	0	-	-	2
Average Severity:		0.1	0.0	-	-	0.0	-	-	0.1
Thymus	Number Examined:	20	20	0	0	20	0	0	20
Atrophy/Involution		0	0	-	-	1	-	-	0
Average Severity:		0.0	0.0	-	-	0.1	-	-	0.0
Increased Apoptosis, Lymphocytes		0	0	-	-	1	-	-	0
Average Severity:		0.0	0.0	-	-	0.1	-	-	0.0
Thyroid Gland	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
Tongue	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
Trachea	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
Urinary Bladder	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
Zymbal's Gland	Number Examined:	20	20	0	0	20	0	0	19
No Remarkable Observations		-	-	-	-	-	-	-	-

Table 34. Incidence Summary of Microscopic Nonneoplastic Graded Observations with Average Severity – Females

Group Legend: 1=CF; 2=NT120F; 3=B6F; 4=B60F; 5=B120F; 6=E6F; 7=E60F; 8=E120F		Number Observed Per Group							
Tissue/Observation	Group:	1	2	3	4	5	6	7	8
Adrenal Gland	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
Bone	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
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
No Remarkable Observations		-	-	-	-	-	-	-	-
Clitoral Gland	Number Examined:	20	20	0	0	20	0	0	20
Pyogranuloma		0	1	-	-	1	-	-	0
	Average Severity:	0.0	0.1	-	-	0.2	-	-	0.0
Colon	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
Duodenum	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
Cataract, Unilateral		0	0	-	-	0	-	-	0
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.0
Unilateral Rupture		0	0	-	-	0	-	-	0
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.0
Femur	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-

Table 34. Incidence Summary of Microscopic Nonneoplastic Graded Observations with Average Severity – Females

Group Legend: 1=CF; 2=NT120F; 3=B6F; 4=B60F; 5=B120F; 6=E6F; 7=E60F; 8=E120F		Number Observed Per Group							
Tissue/Observation	Group:	1	2	3	4	5	6	7	8
Harderian Gland	Number Examined:	20	20	0	0	20	0	0	20
Atrophy		11	9	-	-	10	-	-	7
	Average Severity:	0.9	0.6	-	-	0.7	-	-	0.5
Increased Porphyrin Pigment		0	0	-	-	1	-	-	0
	Average Severity:	0.0	0.0	-	-	0.1	-	-	0.0
Inflammation, Chronic		1	3	-	-	0	-	-	1
	Average Severity:	0.1	0.2	-	-	0.0	-	-	0.1
Heart	Number Examined:	20	20	0	0	20	0	0	20
Cardiomyopathy		0	0	-	-	1	-	-	0
	Average Severity:	0.0	0.0	-	-	0.1	-	-	0.0
Infiltration, Mononuclear Cells, Epicardium		0	0	-	-	1	-	-	0
	Average Severity:	0.0	0.0	-	-	0.1	-	-	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	1	20
Diverticulum		0	0	-	-	0	-	1	0
	Average Severity:	0.0	0.0	-	-	0.0	-	2.0	0.0
Kidney	Number Examined:	20	20	0	0	20	0	0	20
Granuloma		0	0	-	-	0	-	-	0
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.0
Hyperplasia, Plasma Cells		0	0	-	-	0	-	-	3
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.3
Infiltration, Mononuclear Cells, Perirenal Fat		0	0	-	-	0	-	-	0
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.0
Mineralization		1	0	-	-	0	-	-	0
	Average Severity:	0.1	0.0	-	-	0.0	-	-	0.0
Nephropathy		15	7	-	-	13	-	-	6
	Average Severity:	0.8	0.4	-	-	0.7	-	-	0.4

Table 34. Incidence Summary of Microscopic Nonneoplastic Graded Observations with Average Severity – Females

Group Legend: 1=CF; 2=NT120F; 3=B6F; 4=B60F; 5=B120F; 6=E6F; 7=E60F; 8=E120F									
		Number Observed Per Group							
Tissue/Observation	Group:	1	2	3	4	5	6	7	8
Liver	Number Examined:	20	20	0	0	20	0	0	20
Eosinophilic Focus		0	0	-	-	0	-	-	1
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.1
Infiltration, Mononuclear Cells		5	6	-	-	3	-	-	7
	Average Severity:	0.3	0.3	-	-	0.2	-	-	0.4
Lung	Number Examined:	20	20	0	0	20	0	0	20
Hyperplasia, Alveolar Lining Cells/Bronchial Epithelium Focal		0	0	-	-	0	-	-	2
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.1
Inflammation, Subacute		0	0	-	-	0	-	-	0
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.0
Lymph Node, Mesenteric	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
Lymph Node, Other	Number Examined:	0	0	0	0	1	0	0	1
Hyperplasia, Lymphoid		-	-	-	-	1	-	-	1
	Average Severity:	-	-	-	-	2.0	-	-	2.0
Pigment		-	-	-	-	1	-	-	1
	Average Severity:	-	-	-	-	2.0	-	-	2.0
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
No Remarkable Observations		-	-	-	-	-	-	-	-
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
Cyst		3	4	-	-	5	-	-	2
	Average Severity:	0.3	0.3	-	-	0.3	-	-	0.2

Table 34. Incidence Summary of Microscopic Nonneoplastic Graded Observations with Average Severity – Females

Group Legend: 1=CF; 2=NT120F; 3=B6F; 4=B60F; 5=B120F; 6=E6F; 7=E60F; 8=E120F		Number Observed Per Group							
Tissue/Observation	Group:	1	2	3	4	5	6	7	8
Pancreas	Number Examined:	20	20	0	0	20	0	0	20
Necrosis		0	0	-	-	0	-	-	0
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.0
Parathyroid	Number Examined:	11	9	0	0	14	0	0	13
No Remarkable Observations		-	-	-	-	-	-	-	-
Pharynx	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
Pituitary Gland	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
Rectum	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
Salivary Gland	Number Examined:	20	20	0	0	20	0	0	20
Infiltration, Mononuclear Cells		0	2	-	-	1	-	-	0
	Average Severity:	0.0	0.1	-	-	0.1	-	-	0.0
Sciatic Nerve	Number Examined:	20	20	0	0	20	0	0	20
Infiltration, Perineural Tissue, Macrophages		0	1	-	-	0	-	-	0
	Average Severity:	0.0	0.1	-	-	0.0	-	-	0.0
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
Abscess		1	0	-	-	0	-	-	1
	Average Severity:	0.1	0.0	-	-	0.0	-	-	0.2
Chronic Inflammation		0	0	-	-	2	-	-	3
	Average Severity:	0.0	0.0	-	-	0.2	-	-	0.3
Hyperplasia, Epidermis		0	0	-	-	0	-	-	0
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.0
Ulcer		0	0	-	-	0	-	-	2
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.2

Table 34. Incidence Summary of Microscopic Nonneoplastic Graded Observations with Average Severity – Females

Group Legend: 1=CF; 2=NT120F; 3=B6F; 4=B60F; 5=B120F; 6=E6F; 7=E60F; 8=E120F		Number Observed Per Group							
Tissue/Observation	Group:	1	2	3	4	5	6	7	8
Spinal Cord Cyst	Number Examined:	20	20	0	0	20	0	0	20
		0	0	-	-	0	-	-	0
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.0
Spleen Increased Apoptosis, Lymphocytes	Number Examined:	20	20	0	0	20	0	0	20
		0	0	-	-	0	-	-	0
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.0
Sternum No Remarkable Observations	Number Examined:	20	20	0	0	20	0	0	20
		-	-	-	-	-	-	-	-
Stomach Hyperplasia/Dilatation, Epithelium, Mucosa, Glandular Portion Infiltration, Tunica Muscularis, Lymphocytic Inflammation, Chronic, Tunica Muscularis	Number Examined:	20	20	0	0	20	0	0	20
		0	1	-	-	1	-	-	1
	Average Severity:	0.0	0.1	-	-	0.1	-	-	0.1
		0	0	-	-	0	-	-	0
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.0
		0	0	-	-	0	-	-	0
Thymus Atrophy/Involution Increased Apoptosis, Lymphocytes	Number Examined:	20	20	0	0	20	0	0	20
		0	0	-	-	0	-	-	0
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.0
		0	0	-	-	0	-	-	0
	Average Severity:	0.0	0.0	-	-	0.0	-	-	0.0
		0	0	-	-	0	-	-	0
Thyroid Gland No Remarkable Observations	Number Examined:	20	20	0	0	20	0	0	20
		-	-	-	-	-	-	-	-
Tongue No Remarkable Observations	Number Examined:	20	20	0	0	20	0	0	20
		-	-	-	-	-	-	-	-
Trachea No Remarkable Observations	Number Examined:	20	20	0	0	20	0	0	20
		-	-	-	-	-	-	-	-

Table 34. Incidence Summary of Microscopic Nonneoplastic Graded Observations with Average Severity – Females

Group Legend: 1=CF; 2=NT120F; 3=B6F; 4=B60F; 5=B120F; 6=E6F; 7=E60F; 8=E120F		Number Observed Per Group							
Tissue/Observation	Group:	1	2	3	4	5	6	7	8
Urinary Bladder	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
Uterus	Number Examined:	20	20	0	0	20	0	0	20
Cystic Endometrial Hyperplasia		1	2	-	-	1	-	-	2
Average Severity:		0.1	0.1	-	-	0.1	-	-	0.1
Vagina	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-
Zymbal's Gland	Number Examined:	20	20	0	0	20	0	0	20
No Remarkable Observations		-	-	-	-	-	-	-	-

APPENDIX A: PROTOCOL, AMENDMENTS, AND DEVIATIONS

STUDY PROTOCOL

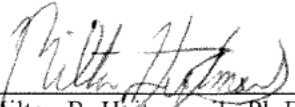
90-DAY REPEATED DOSE SUBCHRONIC TOXICITY STUDY OF TOBACCO BLEND AND AQUEOUS TOBACCO EXTRACT IN CD-1 MICE

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

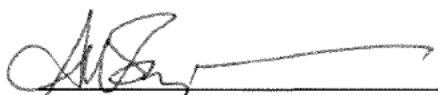
**SPONSOR:
R.J. REYNOLDS TOBACCO COMPANY
RESEARCH AND DEVELOPMENT
BOWMAN GRAY TECHNICAL CENTER
WINSTON-SALEM, NC 27102**

This protocol was approved by the Sponsor Study Monitor on 8/18/08 / AB.
Date / Initials

APPROVED, BATTELLE:


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


8/19/08
Date


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

8-19-08
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

8/18/08
Date

APPROVED, SPONSOR:


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

8/20/08
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: hejtmman@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 26, 2008
Animal Quarantine:	August 26, 2008 – September 8, 2008
First Day of Dosing:	September 9, 2008 (M), September 10, 2008 (F)
Week 3 TK Bleeds:	September 23, 2008 – September 24, 2008
Week 5 TK Bleeds:	October 7, 2008 – October 8, 2008
Week 9 TK Bleeds:	November 4, 2008 – November 5, 2008
Week 14 TK Bleeds:	December 9, 2008 – December 10, 2008
Clinical Pathology/Necropsy:	December 9, 2008 – December 12, 2008
Unaudited Data Submitted to RJRT:	January 20, 2009
RJRT Approval to Proceed to 2-Year Chronic Study:	Week of February 10, 2009
Draft Final Report:	Week of June 22, 2009

7.0 TEST SYSTEM

Species:	Mouse
Strain:	CD-1
Source:	Charles River
Anticipated Body Weight Range at Randomization:	10-50 g
Anticipated Age Range at Arrival:	4-5 weeks
Number of Mice Required for Study:	490 mice (245/sex), including sentinels. A sufficient number of extra mice will be ordered to provide the required number of mice for the study.

7.1 Test System Justification

The strain and species designated by the Sponsor are commonly used for chemical safety evaluation. At this time, studies in laboratory animals are required to support regulatory submissions. The number of mice 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

Mice 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 mice will be individually housed and female mice will be housed up to 4 per cage in polycarbonate cages appropriate for the animals and the study. Sentinel mice for serological monitoring will be housed in the same room as study mice.

8.3 Feed

Mice 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 mice by an automatic watering system. Supplemental water bottles may also be provided as needed. 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 ~5 g 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 Article

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 CD-1 mice 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 analysis is complete and acceptable to the Study Director or after the dose expires, whichever comes first.

9.4.3 Formulation Analysis

Nicotine will be used as the tracking compound for dose preparation. 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 ninety mice will be assigned to 1 of 8 dose groups and 1 group of sentinels. The study will consist of 90-day toxicity study and a toxicokinetic study. Doses were determined from the 28-day repeated dosing study. A subset of ten mice/sex are included in each dose group for plasma nicotine and cotinine analysis in which blood draws will occur once during study weeks 3, 5, 9, and 14 at a single collection time point (10:00 AM will be the target time point based on results from the 28-day study).

Five mice per sex will be maintained with the study mice 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 mice per group, and dosage levels, are as follows:

Group	Target Dosage of Nicotine (mg/kg/day)	Number of Mice			
		Males		Females	
		Core	TK ^{a,b}	Core	TK ^{a,b}
1 - Control	0	20	10	20	10
2 - Nicotine Tartrate High Dose	120	20	10	20	10
3 - Tobacco Blend Low Dose	6	20	10	20	10
4 - Tobacco Blend Intermediate Dose	60	20	10	20	10
5 - Tobacco Blend High Dose	120	20	10	20	10
6 - Tobacco Extract Low Dose	6	20	10	20	10
7 - Tobacco Extract Intermediate Dose	60	20	10	20	10
8 - Tobacco Extract High Dose	120	20	10	20	10
9 - Sentinels	0	5	--	5	--

^a Nicotine/cotinine analysis

^b Five extra mice have been included in each dose group for potential replacement of animals 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.

Mouse serology endpoints are as follows:

Sendai virus	Mouse adenovirus (MAV) 1 & 2
Pneumonia virus of mice (PVM)	Epizootic diarrhea of infant mice virus (EDIM)
Mouse hepatitis virus (MHV)	Mouse cytomegalovirus (MCMV)
Minute virus of mice (MVM)	Hantaviruses (HANT)
GDVII (murine encephalomyelitis virus)	<i>Encephalitozoon cuniculi</i> (ECUN)
REO-3	Cilia associated respiratory bacillus (CARB)
<i>Mycoplasma pulmonis</i>	Mouse parvovirus (MPV) 1 & 2
Lymphocytic choriomeningitis virus (LCMV)	Mouse thymic virus (MTLV)
Electromelia (mousepox)	Murine norovirus (MNV)
K virus	
Polyoma virus	

10.2 Assignment to Groups

Mice 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. Mice 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 should also be eliminated from use on the study. After randomization, the mean body weights of each study group should not be significantly different ($p \leq 0.05$). After assignment to groups, each mouse 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	121-130	151-170	171-180
2 - Nicotine Tartrate High Dose	Gray	201-220	221-230	251-270	271-280
3 - Tobacco Blend Low Dose	Lilac/Blue	301-320	321-330	351-370	371-380
4 - Tobacco Blend Intermediate Dose	Lilac/Yellow	401-420	421-430	451-470	471-480
5 - Tobacco Blend High Dose	Lilac/Red	501-520	521-530	551-570	571-580
6 - Tobacco Extract Low Dose	Tan/Blue	601-620	621-630	651-670	671-680
7 - Tobacco Extract Intermediate Dose	Tan/Yellow	701-720	721-730	751-770	771-780
8 - Tobacco Extract High Dose	Tan/Red	801-820	821-830	851-870	871-880
9 - Sentinels	Black	901-905	--	951-955	--

10.3 Clinical Observations

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

Detailed clinical examinations will be conducted on all mice, 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 mice. The final detailed clinical examination of each core study mouse 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 mice pre-study for randomization and group assignment. After initiation of dosing, body weights for all core study mice 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 mice 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 potential core study animals according to facility SOP by a staff veterinarian prior to section/group assignment. Exams will be repeated near the termination of the study for core study animals, 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

Ten mice/sex are included in each dose group for determinations of plasma nicotine and cotinine concentrations, excluding sentinels. The 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 3, 5, 9, and 14 (study termination). Samples will be collected at a single time point (the target time point will be 10:00 AM based upon results from the 28-day toxicokinetic study) for nicotine and cotinine analysis in five male and five female mice from up to eight specified dose groups at each of the four time periods (40 total TK samples/sex/time point). If possible, the same mouse will be used for each blood collection. Extra mice have been included for potential replacement of any mice 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.

TK mice will be anesthetized with CO₂/O₂ and blood will be collected retro-orbitally into tubes containing potassium EDTA as the anti-coagulant. The minimum quantity of blood required to yield 100 µl of plasma for analysis 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. Samples will be analyzed for nicotine and cotinine by Battelle using a validated method.

After each blood collection, the animal will be placed back in its home cage supplied with feed and water until the next scheduled blood collection. 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[~~;~~ *and*]² hematology[~~;~~ *and* ~~urinalysis~~]² assessments will be performed on all surviving core study mice [(*excluding sentinels*)]² on the day of their scheduled necropsy[~~;~~ *excluding sentinels*]. *Urinalysis will be conducted for 10 surviving core study mice (excluding sentinels) per group*².

All mice will be fasted overnight prior to scheduled blood sampling for hematology and clinical chemistry determinations. Mice 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.

Core study mice will be divided into 2 groups for clinical pathology blood collections. Blood from approximately half the animals will be used in hematology analysis and blood from the remaining half will be used for clinical chemistry. Target volumes of blood collections for clinical chemistry and hematology are 0.70 and 0.25 mL, respectively. In the event that blood volumes do not meet these suggested values, clinical chemistry parameters will be assigned priority based upon anticipated target organs (see below).

Up to five mice/sex/group 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
Hematocrit	Mean corpuscular hemoglobin concentration
Hemoglobin	Mean corpuscular volume
Leukocyte count, total	Platelet count
Leukocyte differential	Reticulocyte count

10.8.3 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 mice that die or are terminated at an unscheduled interval. Terminal body weights and clinical observations will be recorded for moribund core mice prior to euthanasia. Moribund mice will be euthanized using CO₂. Organ weights will not be taken for unscheduled deaths. Necropsy and clinical observations will not be conducted on sentinels and toxicokinetic mice 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 mice according to facility SOP. Tissues will be placed in 10% neutral buffered formalin (NBF), with the exceptions 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	Pancreas
Adrenal glands	Pituitary gland
Bone with articular surface and marrow (femur)	Preputial glands
Brain	Prostate gland
Clitoral gland	Salivary gland (mandibular)
Epididymides	Sciatic nerve
Esophagus, pharynx[, <i>trachea</i>] ³	Seminal vesicles
Eyes	Skeletal muscle (biceps femoris)
Gross lesions	Skin
Harderian glands	Spinal cord (cervical, thoracic, lumbar)
Heart	Spleen
Intestine, large (cecum, colon, rectum)	Sternum with bone marrow
Intestine, small (duodenum, jejunum, ileum)	Stomach (fore-stomach and glandular)
Kidneys	Testes
Liver (median lobe and left lateral lobe)	Thymus
Lungs with bronchi	Thyroid gland (with parathyroids, if present in routine section)
Lymph node (mesenteric)	Tongue
Mammary gland (females only)	Urinary bladder
Nose (nasal cavity and turbinates)	Uterus
Ovaries (without oviduct)	Vagina
Oral cavity	Zymbal glands

^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 mice found dead or euthanized in moribund condition.

Brain	Prostate
Epididymides	Spleen
Heart	Testes (without epididymides)
Kidneys	Thymus
Liver with gall bladder ^a	Salivary glands (mandibular)
Lungs	Uterus (with cervix)

^a Gall bladder opened and bile drained before weighing

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 mice 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 at additional cost.

An internal peer review will be performed 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)



(b) (4)



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

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 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 one 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 CD-1 MICE (CN49730F)**

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."

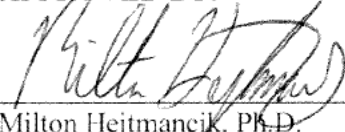
to:

"The serology screen will be conducted using 5 males and 5 females soon after arrival."

b. The reason for the change is to correct a clerical discrepancy.

c. The effective date for this change is August 19, 2008.
2. Revised page 10 of the protocol as changed in this amendment is attached.

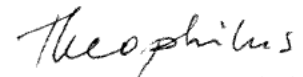
APPROVED BY:



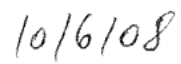
Milton Hejtmancik, Ph.D.
Diplomate, A.B.T.
Study Director



Date



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



Date

**AMENDMENT NUMBER 2 TO THE PROTOCOL FOR THE 90-DAY REPEATED
DOSE SUBCHRONIC TOXICITY STUDY OF TOBACCO BLEND AND AQUEOUS
TOBACCO EXTRACT IN CD-1 MICE (CN49730F)**

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.”

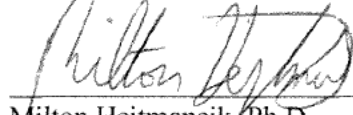
to:

“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:

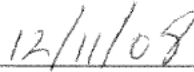
“Clinical chemistry, hematology, and urinalysis assessments will be performed on all surviving core study mice on the day of their scheduled necropsy, excluding sentinels.”

to:

“Clinical chemistry and hematology assessments will be performed on all surviving core study mice (excluding sentinels) on the day of their scheduled necropsy. Urinalysis will be conducted for 10 surviving core study mice (excluding sentinels) per group.”
 - b. The reason for the change is to reduce the number of core study mice 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 Hejtmancik, Ph.D.
Diplomate, A.B.T.
Study Director



Date



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



Date

**AMENDMENT NUMBER 3 TO THE PROTOCOL FOR THE 90-DAY REPEATED
DOSE SUBCHRONIC TOXICITY STUDY OF TOBACCO BLEND AND AQUEOUS
TOBACCO EXTRACT IN CD-1 MICE (CN49730F)**

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:

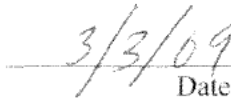
"Comparisons will include Control vs. Positive Control and Test Articles, Positive Control vs. High Dose Test Articles, and corresponding groups of Blend vs. Extract."


b. The reason for the change is to reduce the number of superscripts used to report statistical comparisons.

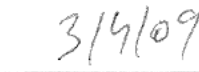
c. The effective date for this change is February 4, 2009.
3. Revised pages 15 and 17 of the protocol as changed in the amendment are attached.

APPROVED BY:


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


Date


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


Date

REPORT OF DEVIATION FROM PROTOCOL

Battelle

Study Title: 90-Day Repeated Dose Subchronic Toxicity Study of Tobacco Blend and Aqueous Tobacco Extract in CD-1 Mice

Battelle Study Number: CN49730F

Date(s) of Deviation: December 11 & 12, 2008

Incident: A lung weight was not collected for core female animals # 856 (Group 8 – Tobacco Extract High Dose) and # 762 (Group 7 – Tobacco Extract Intermediate Dose).

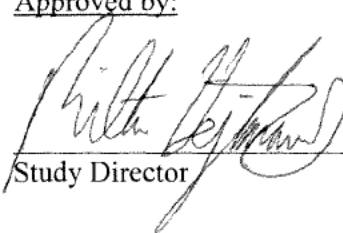
Cause of Incident: The lungs were infused with 10% neutral buffered formalin before the lung weight was obtained.

Impact on Study: Minimal. Lung weights for the remaining core animals in the group were obtained, leaving a subset of 19 animals for statistical evaluation.

Corrective Action: None. Deviation prepared to document the incident.

Prepared by: Connie Essman-Wood

Approved by:


Study Director

4/30/09
Date

REPORT OF DEVIATION
Battelle Toxicology Columbus

Study Title: 90-Day Repeated Dose Subchronic Toxicity Study of Tobacco Blend and Aqueous Tobacco Extract in CD-1 Mice (CN49730F)

Type of Deviation: Protocol

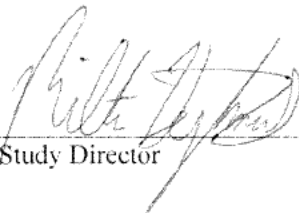
Deviation Date: December 29, 2008

Incident: Location: Freezer, X-49933
The temperature was recorded as -9°C at 3:35:06 p.m. and did not return to the normal operating range (-30°C to -15°C) until 4:35:07 p.m. This is in violation of protocol section 9.3, which states that reserve samples of the tobacco blend and tobacco extract shall be maintained frozen (-30°C to -15°C) until submission of the chronic study final report.

Cause of Incident: The freezer door had to be opened in order for staff to remove items out of the unit.

Impact on Study: No impact as the samples remained frozen.

Corrective Action: None required as the temperature returned to an acceptable level when the door was closed.



Study Director

2/19/09

Date

Original: Study File
Copies: M. Hejtmancik
D. Fallacara
C. James
S. Graves
W. Black

REPORT OF DEVIATION FROM PROTOCOL

Battelle

Study Title: 90-Day Repeated Dose Subchronic Toxicity Study of Tobacco Blend and Aqueous Tobacco Extract in CD-1 Mice

Battelle Study Number: CN49730F

Date(s) of Deviation: December 18, 2008 and December 22, 2008


Incident: The pituitary gland of animals 219 and 813 were missing at trim. Therefore, these tissues were not processed to slides for histopathologic examination.

Cause of Incident: Technical error associated with dissecting, handling, and/or processing a small tissue.

Impact on Study: the impact is minimal, as there were a sufficient number of mice in the NT120M and the E120M dosage group with intact pituitary glands for assessment.

Corrective Action: None. Deviation prepared to document the incident.

Prepared by: Dawn Fallacara


Study Director6/24/09
Date

REPORT OF DEVIATION FROM STANDARD OPERATING PROCEDURES

Battelle

Study Title: 90-Day Repeated Dose Subchronic Toxicity Study of Tobacco Blend and Aqueous Tobacco Extract in CD-1 Mice

Battelle Study Number: CN49730F

Date(s) of Deviation: January 6, 2009

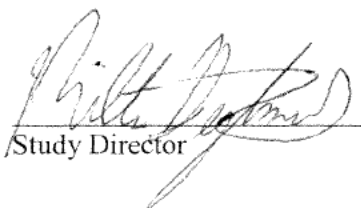
Incident: Gross lesions from animals 755 and 608 were processed to slides and evaluated microscopically.

Cause of Incident: These mice showed unique gross lesions that were thought to possibly be pre-neoplastic or neoplastic in nature. Further examination revealed the lesions were Peyer's patches.

Impact on Study: No impact on study. These lesions were thought to be suspicious in nature and were evaluated accordingly. Histopathologic evaluation revealed they were raised Peyer's patches and not a pre-neoplastic or neoplastic lesion.

Corrective Action: None. Deviation prepared to document the incident.

Prepared by: Dawn Fallacara



Study Director

6/25/09

Date

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

RJReynolds

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

CERTIFICATE OF ANALYSIS

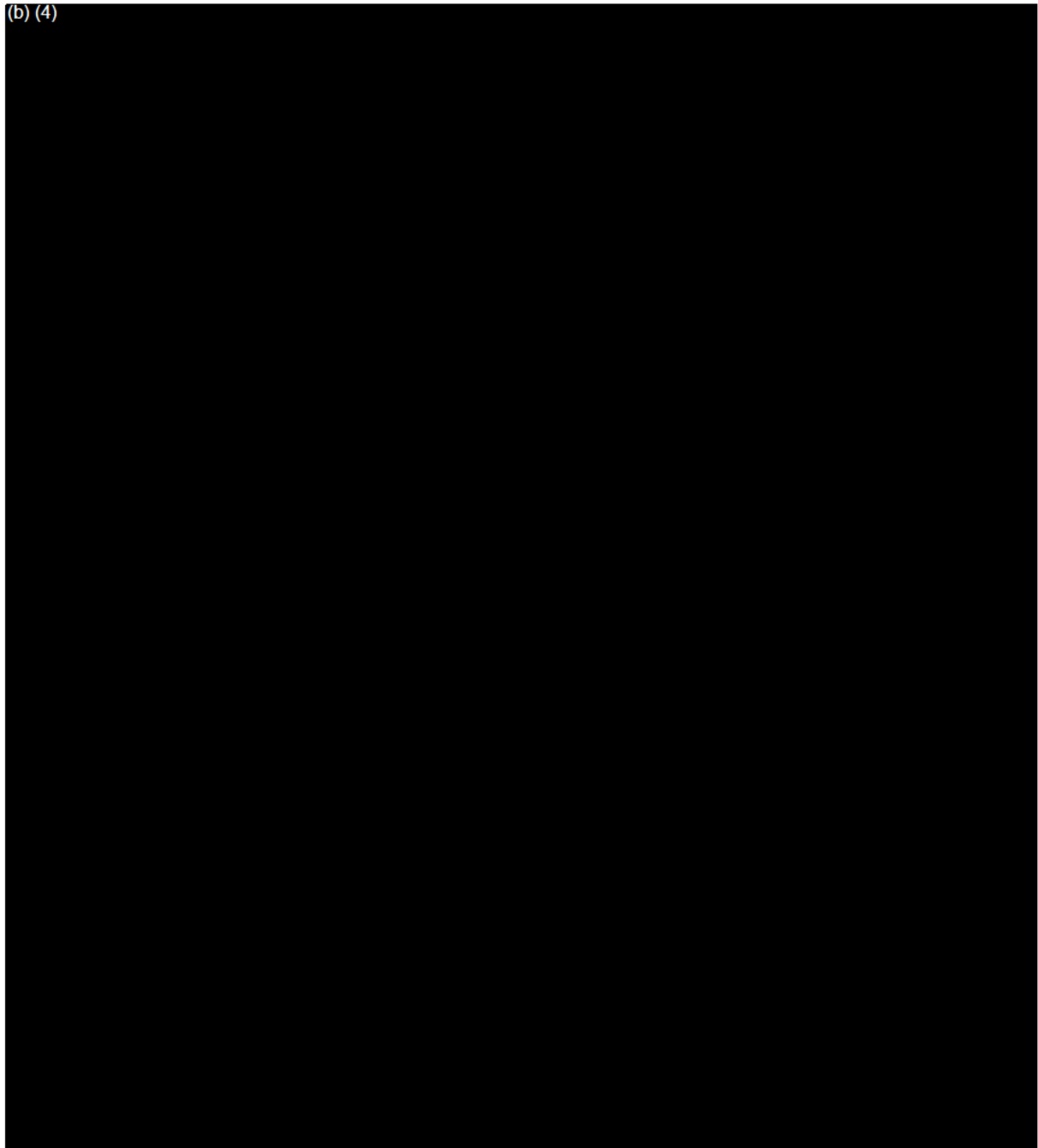
(b) (4)



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

RJReynolds

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

CERTIFICATE OF ANALYSIS

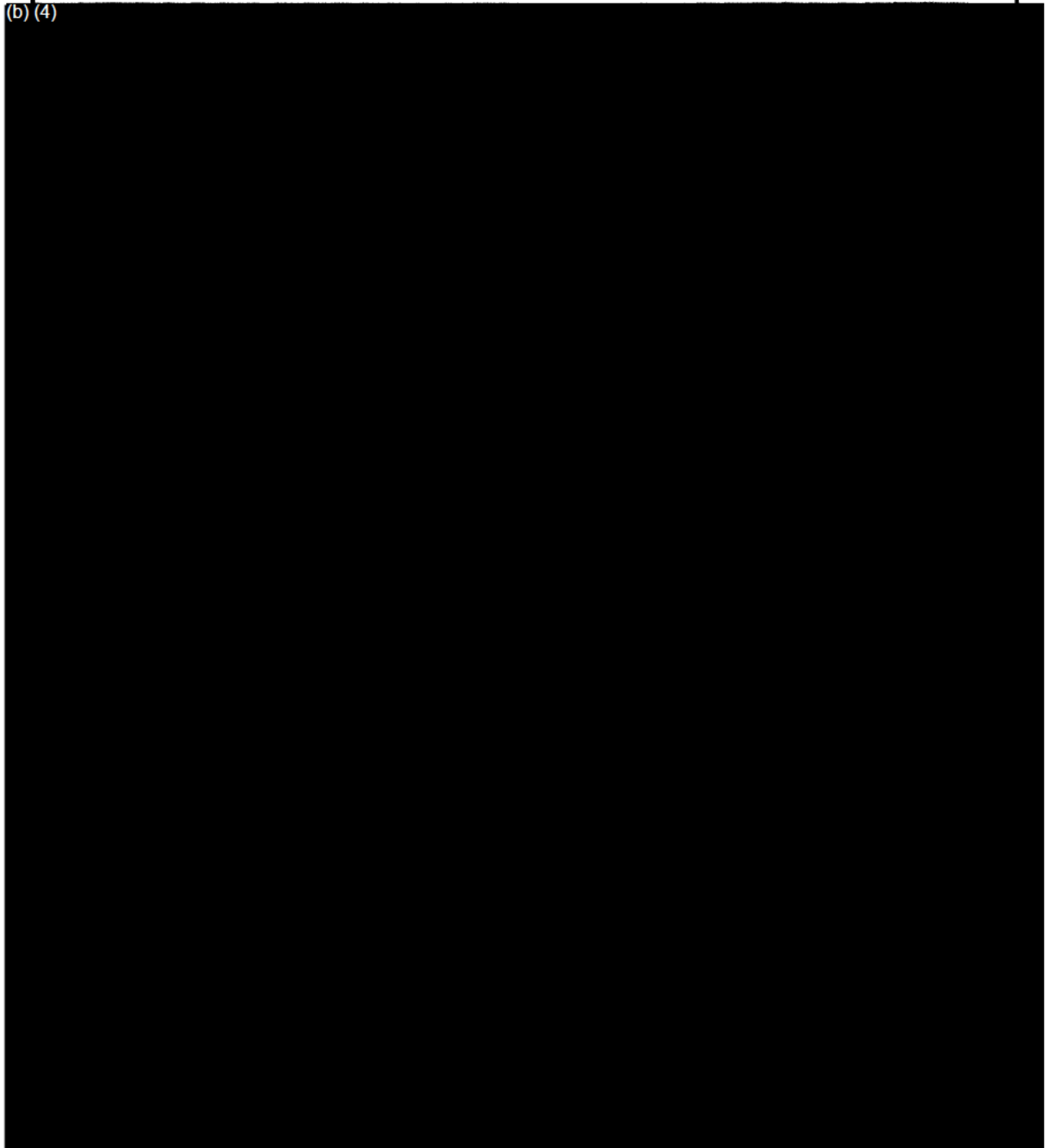
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CERTIFICATE OF ANALYSIS

(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.

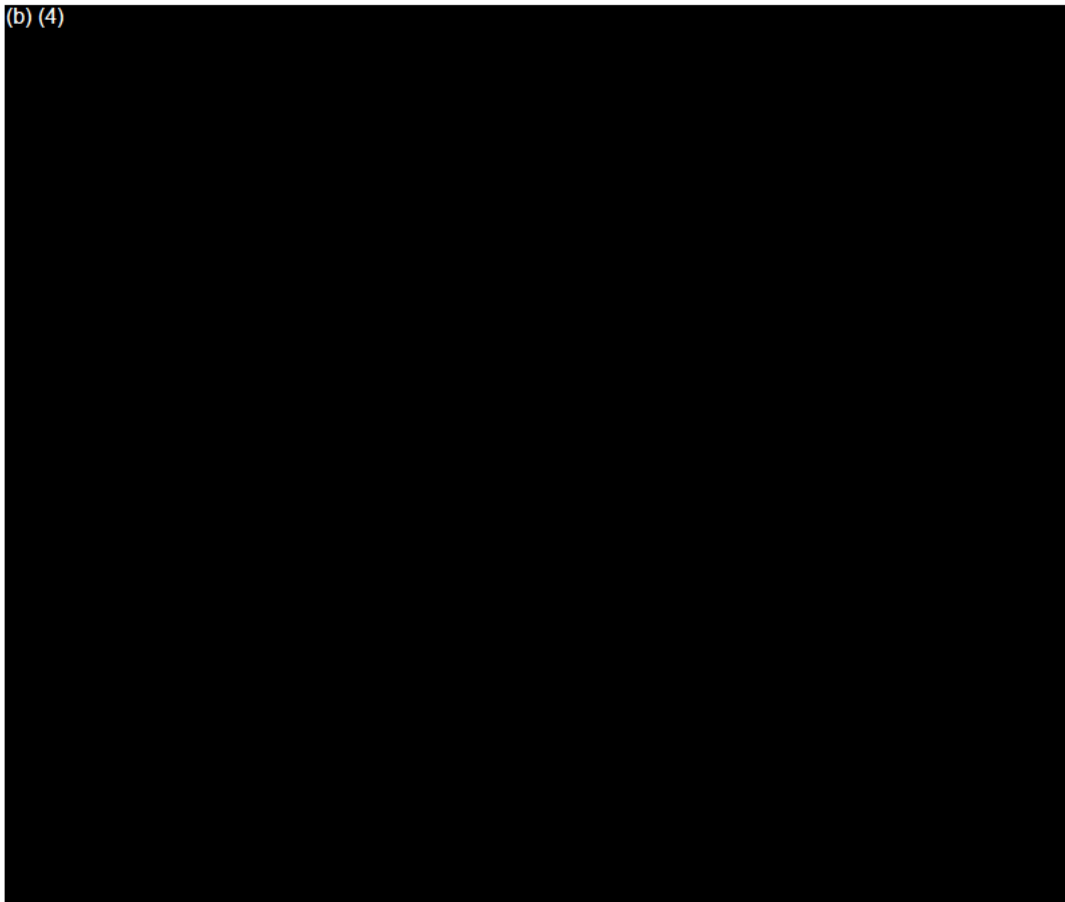
Certificate Of Analysis

Page 1 of 1

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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-nitrosodimethylethylamine (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>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>	<i>Ranking</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, fensulfothion, 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)

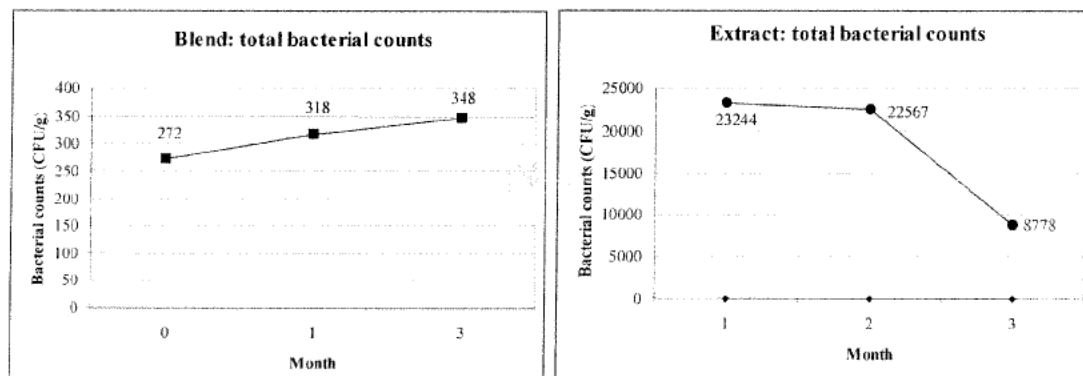
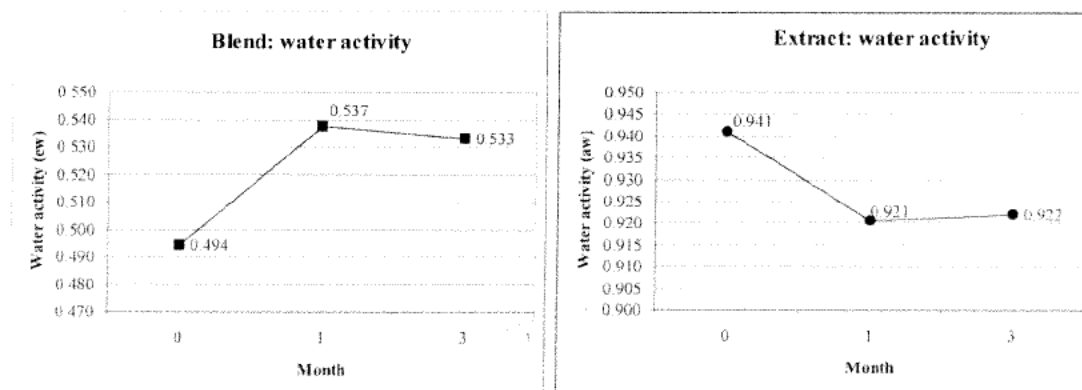


Figure 2. Water activity (RJRT samples)



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

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
	SD	0.071	0.083	0.067			
NAT, µg/g	Mean	1.13	1.07	1.18	NS	NS	NS
	SD	0.069	0.076	0.052			
NAB, µg/g	Mean	<0.43	<0.43	<0.43	NA	NA	NA
	SD						
Fructose, %	Mean	0.90	0.91	<0.10	NS	798.3	811.7
	SD	0.013	0.020	0.000			
Sucrose, %	Mean	<0.10	<0.10	<0.10	NA	NA	NA
	SD	0.000	0.000	0.000			
Glucose, %	Mean	0.17	0.22	<0.10	NS	66.7	118.3
	SD	0.008	0.045	0.000			
Hydroquinone, mg/g	Mean	BQL	BQL	BQL	NA	NA	NA
	SD						
Catechol, mg/g	Mean	15.36	14.25	12.38	7.8	24.1	15.1
	SD	0.230	0.232	0.163			
Phenol, mg/g	Mean	BQL	BQL	5.46	NA	NA	NA
	SD			0.052			
p,m-Cresol, mg/g	Mean	BQL	BQL	7.14	NA	NA	NA
	SD			0.060			
Arsenic, µg/g	Mean	0.34	0.36	0.48	NS	-27.8	NS
	SD	0.107	0.080	0.029			
Cadmium, µg/g	Mean	0.76	0.73	0.73	4.1	4.1	NS
	SD	0.020	0.010	0.000			
Chromium, µg/g	Mean	0.95	0.81	0.48	NS	97.9	68.8
	SD	0.190	0.190	0.010			
Lead, µg/g	Mean	0.38	0.37	0.30	NS	NS	NS
	SD	0.110	0.040	0.050			
Nickel, µg/g	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
	SD						

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
CM	107	Tissue Mass, Genitalia	84	91	8	2
	114	Hunched Posture	35	35	1	1
	114	Rough Coat	35	35	1	1
NT120M	207	Abrasion, Tail	28	56	29	5
	207	Hunched Posture	7	7	1	1
	216	Swelling, Genitalia	28	42	15	3
	220	Hunched Posture	7	7	1	1
B6M	320	Hunched Posture	93	93	1	1
	320	Rough Coat	93	93	1	1
B60M	401	Hunched Posture	91	92	2	2
	401	Rough Coat	91	92	2	2
	406	Hunched Posture	7	7	1	1
	406	Thin Appearance	7	7	1	1
E60M	713	Ulceration, Tail	28	63	36	6
	715	Ulceration, Tail	28	56	29	5
	716	Ulceration, Tail	56	56	1	1
	719	Ulceration, Tail	56	56	1	1
E120M	803	Tissue Mass, Genitalia	91	92	2	2
	814	Eye Opacity	42	93	52	9

Table C-2. Individual Animal Clinical Abnormalities – Females

Group	Animal ID	Observation	Observed			
			First Day	Last Day	Interval	Total Number
CF	166	Lethargic	94	94	1	1
	166	Ulceration, Tail	35	94	60	10
NT120F	258	Discoloration, Genitalia	91	93	3	2
	262	Abrasion, Tail	56	77	22	4
B60F	456	Lethargic	93	93	1	1
	459	Abrasion, Tail	91	93	3	2
B120F	554	Tissue Mass, Genitalia	91	93	3	2
	569	Ulceration, Tail	28	42	15	3
E6F	669	Ulceration, Tail	28	35	8	2
E60F	752	Ulceration, Tail	28	84	57	6
	753	Ulceration, Tail	28	42	15	3
	756	Ulceration, Tail	35	35	1	1
	764	Ulceration, Tail	28	42	15	3
	765	Tissue Mass, Genitalia	70	84	15	3
E120F	859	Ulceration, Tail	28	35	8	2
	860	Abrasion, Foot	91	93	3	2
	863	Ulceration, Tail	28	63	36	6
	864	Ulceration, Tail	28	49	22	4
	865	Ulceration, Tail	28	42	15	3
	866	Ulceration, Tail	28	35	8	2
	867	Ulceration, Tail	28	35	8	2
	868	Abrasion, Tail	94	94	1	1
	868	Ulceration, Tail	35	35	1	1
	869	Ulceration, Tail	28	35	8	2
	870	Ulceration, Tail	35	35	1	1

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	26.0	27.3	29.0	30.8	32.0	31.9	33.2	33.4	30.7	33.6
	102	27.5	25.4	27.4	29.6	32.0	32.6	34.2	34.8	35.6	37.0
	103	27.1	28.4	30.1	29.8	32.6	33.9	34.9	35.3	36.7	37.5
	104	30.2	26.3	32.8	34.6	35.9	37.3	38.4	38.8	35.9	39.3
	105	25.9	27.9	30.4	31.1	31.1	30.6	33.3	34.2	34.3	35.3
	106	26.9	27.6	30.1	30.4	34.8	35.9	37.1	38.0	37.8	37.6
	107	27.2	27.0	30.1	32.9	32.4	33.2	33.7	38.5	37.8	37.3
	108	29.0	28.9	29.4	33.0	35.2	36.7	36.6	37.7	39.8	40.4
	109	29.2	29.4	32.4	33.1	35.1	35.4	35.8	36.1	38.1	40.4
	110	24.6	25.1	26.8	27.3	28.3	31.8	34.0	34.0	35.3	36.6
	111	28.4	29.6	29.2	30.7	32.4	33.3	33.8	35.6	36.5	36.6
	112	26.4	27.8	30.6	32.5	32.2	34.6	35.2	34.0	36.7	37.2
	113	29.6	30.9	33.3	34.9	36.2	37.0	38.8	39.9	40.8	41.7
	114	29.2	27.2	30.7	30.4	34.2	32.7	27.6	33.5	33.3	36.4
	115	26.8	27.7	32.2	34.8	36.7	37.1	37.5	38.5	38.5	32.0
	116	28.3	28.8	29.9	32.6	34.7	34.9	33.7	36.6	35.2	35.2
	117	28.5	29.2	31.3	33.2	33.2	33.4	35.9	35.5	38.2	36.5
	118	28.8	29.7	30.9	33.5	35.6	36.1	37.6	39.1	39.3	39.8
	119	28.9	30.3	31.5	32.8	33.6	35.6	36.9	37.7	38.2	39.0
	120	27.7	30.0	33.1	34.1	36.3	37.7	38.2	39.3	39.6	40.3
NT120M	201	29.8	29.4	28.8	31.1	32.2	34.6	32.5	33.6	35.5	37.4
	202	30.1	31.7	26.9	29.2	29.6	32.7	33.2	37.8	36.2	36.5
	203	26.9	27.4	23.4	26.2	25.4	28.1	28.2	28.8	30.3	31.5
	204	28.5	29.4	27.5	29.0	30.9	32.8	32.5	33.2	33.3	32.9
	205	28.8	26.7	25.1	26.6	26.1	28.8	28.7	28.6	28.8	28.3
	206	27.3	27.3	27.2	30.1	30.2	33.0	32.1	33.0	33.1	31.0
	207	25.9	27.2	20.6	23.1	24.3	26.0	26.9	29.4	30.1	31.3
	208	29.2	30.1	26.6	29.3	33.9	35.7	33.7	34.2	35.5	36.1

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

Group	Animal	Day									
	ID	-5	1	7	14	21	28	35	42	49	56
NT120M	209	28.2	29.1	25.7	28.1	28.4	30.4	31.2	33.1	32.9	34.6
	210	28.0	28.6	25.7	26.0	27.0	29.1	27.2	29.4	30.2	29.8
	211	26.8	27.5	27.3	26.2	27.8	29.2	28.4	29.0	29.0	31.8
	212	29.5	29.9	27.4	27.7	28.2	30.5	30.6	31.8	31.9	33.5
	213	24.6	26.3	24.5	25.6	27.1	27.7	28.6	30.4	30.1	32.5
	214	28.3	28.7	25.3	25.7	26.2	28.4	29.2	29.5	31.3	32.1
	215	25.8	26.8	24.8	26.8	28.8	30.1	30.7	32.1	31.9	34.3
	216	27.2	29.2	26.0	25.2	26.3	26.0	29.2	28.8	30.6	31.1
	217	29.1	29.7	27.5	28.0	29.3	30.9	30.8	31.9	32.4	32.7
	218	26.6	26.3	26.2	26.9	30.6	32.5	31.9	34.1	35.5	35.2
	219	28.9	28.5	24.9	24.8	25.1	26.4	27.7	29.1	29.3	30.8
	220	27.5	30.4	24.6	27.2	29.4	29.9	30.2	29.9	31.1	32.3
B6M	301	28.4	30.7	31.5	35.9	37.2	37.7	39.9	40.4	41.3	42.8
	302	29.9	29.9	32.1	33.2	34.3	34.6	35.0	36.6	37.0	37.3
	303	27.1	28.6	30.4	31.8	32.6	34.2	35.2	35.6	35.1	36.1
	304	27.7	28.0	28.5	31.0	32.9	33.4	34.4	35.3	36.0	37.2
	305	28.8	28.8	30.4	33.2	35.2	35.8	38.0	40.0	39.9	42.6
	306	26.4	26.4	28.8	30.3	30.9	32.2	32.8	34.2	34.3	34.8
	307	26.2	29.5	32.4	34.0	33.9	37.2	37.7	39.1	39.7	40.8
	308	28.6	24.6	30.6	29.8	31.6	33.6	36.3	38.0	38.5	39.3
	309	26.8	27.5	28.7	29.9	31.2	31.6	33.0	33.6	35.2	35.6
	310	25.0	25.7	28.3	28.2	29.0	31.7	33.5	31.9	33.5	33.2
	311	27.6	28.5	24.7	30.6	30.0	33.2	33.6	34.4	35.0	36.3
	312	29.1	30.1	32.0	33.3	35.7	36.9	37.6	38.3	38.4	40.5
	313	29.0	30.3	31.6	34.6	36.7	36.5	37.5	38.2	38.5	39.0
	314	27.1	28.9	30.9	33.2	33.8	35.8	35.0	37.0	38.2	38.1
	315	28.2	29.0	31.5	33.1	35.2	35.4	36.4	37.7	38.4	38.4
	316	27.4	26.9	30.3	33.0	35.3	35.0	36.1	35.7	37.5	39.5

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

Group	Animal ID	Day									
		-5	1	7	14	21	28	35	42	49	56
B6M	317	29.2	21.9	29.1	30.9	32.5	34.6	35.0	34.6	35.9	34.9
	318	29.9	30.0	30.1	31.7	33.0	33.8	33.5	35.9	36.9	38.3
	319	25.3	27.1	28.6	30.7	32.8	34.5	35.0	36.0	37.6	37.9
	320	29.3	30.0	32.4	34.0	33.1	34.3	35.5	38.7	37.0	37.6
B60M	401	25.8	24.1	27.7	26.2	28.9	29.0	31.0	31.8	29.3	31.1
	402	26.9	26.5	26.5	29.4	29.7	31.0	30.2	31.0	32.9	33.2
	403	26.3	26.1	28.4	30.5	33.0	33.7	33.1	36.2	36.9	37.9
	404	29.1	29.8	28.9	31.5	31.9	32.5	34.2	35.1	34.6	35.4
	405	28.7	28.0	29.4	32.4	34.9	36.2	35.8	35.3	37.4	37.8
	406	26.5	26.2	17.9	28.6	29.8	32.1	32.3	34.3	35.1	35.4
	407	29.0	28.0	30.3	28.4	30.7	32.4	33.2	34.4	33.7	35.3
	408	28.2	28.1	28.8	30.9	32.5	32.7	33.8	36.6	35.9	37.0
	409	24.4	25.8	24.7	26.9	27.0	29.0	28.8	31.5	29.7	32.7
	410	28.4	30.2	29.2	33.6	33.8	35.2	33.0	34.8	37.1	37.1
	411	29.9	28.4	29.3	32.0	35.8	36.3	35.1	37.3	38.4	39.0
	412	28.0	28.6	29.3	31.1	33.7	36.0	35.8	36.3	36.1	37.3
	413	29.5	30.0	28.1	29.4	30.6	31.4	31.6	32.2	32.7	33.8
	414	28.5	28.1	28.2	28.0	31.2	33.3	33.7	34.7	35.6	36.2
	415	29.1	27.2	30.5	31.5	33.1	33.7	34.7	34.7	35.7	36.6
	416	30.2	32.4	31.1	32.8	33.2	35.5	36.6	38.7	38.6	38.4
	417	27.3	26.6	27.1	27.4	27.6	29.4	29.2	29.7	30.4	31.6
	418	27.2	28.1	25.4	27.5	25.6	28.7	29.1	29.7	29.8	29.3
	419	26.7	29.9	31.7	34.5	35.8	36.6	37.8	38.2	38.4	39.8
	420	27.5	28.6	30.4	23.3	29.8	32.7	33.2	33.3	32.0	33.5
B120M	501	28.2	29.3	25.0	26.2	28.8	29.7	30.9	32.9	34.5	35.4
	502	27.3	28.6	21.9	23.5	25.9	26.1	26.3	25.5	27.5	28.6
	503	29.1	28.3	23.6	26.3	26.5	27.5	28.2	29.5	30.5	31.3
	504	25.3	26.2	23.9	22.9	24.9	27.7	28.1	28.7	30.3	30.2

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

Group	Animal	Day									
	ID	-5	1	7	14	21	28	35	42	49	56
B120M	505	29.0	30.4	24.1	24.9	29.0	30.6	31.1	30.4	32.3	33.2
	506	26.9	29.1	26.5	31.2	30.5	32.2	33.8	34.7	35.1	36.2
	507	29.4	30.8	30.5	30.8	33.1	35.1	35.9	35.7	36.4	38.8
	508	28.5	24.4	22.4	23.4	24.5	25.7	26.4	27.0	27.2	28.1
	509	26.0	28.2	26.2	28.2	30.3	33.0	33.8	34.5	37.4	36.3
	510	26.7	26.9	22.2	24.4	26.2	28.5	29.6	31.0	31.1	32.3
	511	28.7	30.6	30.4	28.3	30.4	33.0	32.2	31.8	32.3	36.4
	512	29.7	31.0	24.9	25.7	28.9	30.0	31.1	32.1	33.8	34.4
	513	27.1	26.1	23.9	27.0	26.9	28.6	28.8	30.3	32.3	32.9
	514	27.9	28.4	25.9	25.8	28.8	30.7	31.8	33.8	34.9	35.6
	515	28.3	29.7	22.7	24.0	26.7	29.1	29.8	30.7	31.8	33.3
	516	29.2	30.4	26.7	26.0	27.2	28.2	28.9	28.9	28.8	29.4
	517	27.7	26.7	25.0	25.1	28.3	30.6	31.4	32.4	31.1	33.0
	518	30.3	31.5	27.6	28.3	32.2	33.2	34.5	35.9	36.3	36.9
	519	25.6	25.7	21.1	23.0	25.4	25.4	25.9	26.9	26.5	26.9
	520	26.6	26.9	22.9	24.1	27.8	29.7	31.9	31.6	32.4	33.0
E6M	601	29.5	30.4	30.6	31.2	32.1	31.8	34.9	34.9	35.5	35.1
	602	29.8	30.2	32.0	33.9	34.2	36.3	37.8	38.9	40.5	42.0
	603	29.2	29.9	30.3	32.8	32.6	35.2	35.0	35.7	37.0	37.1
	604	27.6	27.3	29.1	31.3	32.1	33.1	32.9	33.8	34.7	36.2
	605	25.0	26.6	27.7	28.7	29.4	27.8	29.6	30.2	31.1	27.9
	606	26.7	27.4	28.6	21.2	30.4	31.2	31.6	32.7	32.8	32.6
	607	28.4	29.7	29.5	31.6	33.9	34.7	36.0	38.0	37.1	38.1
	608	28.7	28.3	31.2	33.2	32.5	36.1	37.6	36.7	38.9	40.3
	609	26.0	26.9	27.9	30.5	31.3	33.7	34.9	36.1	36.4	36.3
	610	29.1	29.9	30.7	33.1	33.8	35.4	35.8	36.1	36.7	37.9
	611	30.1	30.9	32.4	33.8	33.7	35.4	34.8	36.4	36.0	36.4
	612	27.2	24.6	27.8	31.1	30.4	31.6	34.2	34.4	31.6	37.2

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	613	27.3	28.3	30.2	32.0	33.5	35.0	36.1	36.8	38.2	39.7
	614	28.5	29.4	30.8	32.9	34.7	34.4	34.7	36.6	37.3	38.9
	615	25.7	28.9	31.7	33.9	36.3	36.3	37.2	38.2	38.6	39.0
	616	26.6	26.9	29.6	30.5	31.8	32.6	33.5	33.3	34.7	35.2
	617	27.8	25.0	30.3	32.7	33.3	34.2	35.6	36.9	38.5	39.3
	618	28.9	26.8	31.5	33.4	35.0	34.9	36.5	36.2	36.2	39.2
	619	27.1	27.5	30.9	33.4	35.4	35.6	35.5	36.9	37.9	38.4
	620	28.1	27.9	30.6	34.0	33.9	36.0	36.7	38.3	38.3	38.3
E60M	701	25.0	27.6	26.1	28.7	30.5	31.5	33.1	32.9	35.4	35.2
	702	27.3	27.6	28.4	30.1	31.5	32.4	32.0	33.0	34.1	34.5
	703	29.0	30.9	32.3	34.2	30.2	36.7	38.6	40.1	40.7	41.3
	704	29.4	29.9	30.5	30.4	32.0	32.6	34.7	35.8	36.0	37.2
	705	26.3	26.6	26.3	26.1	27.9	29.8	30.7	31.7	32.2	33.8
	706	30.0	31.8	32.6	34.7	36.5	37.9	37.4	40.1	40.6	39.6
	707	25.4	26.8	26.4	29.1	28.5	31.3	32.8	29.7	34.9	35.5
	708	26.7	26.3	26.1	26.1	25.2	27.4	29.4	28.9	28.0	30.9
	709	27.2	28.1	26.6	28.6	29.3	30.4	30.1	31.4	33.0	33.1
	710	28.7	30.1	31.4	32.9	34.7	34.9	36.0	37.5	37.5	38.0
	711	29.7	27.3	30.4	33.0	28.9	34.6	36.7	37.7	37.2	38.5
	712	29.0	29.0	29.8	31.7	31.9	33.0	35.1	35.8	36.5	37.7
	713	28.2	27.3	27.7	27.6	29.8	30.5	34.9	36.4	36.9	37.9
	714	28.4	27.3	29.1	32.3	34.8	33.5	35.6	35.5	36.2	36.3
	715	27.0	27.1	25.2	28.8	29.7	30.9	31.7	33.4	33.0	34.3
	716	29.2	29.3	31.2	32.4	34.3	35.3	37.3	37.0	37.0	37.0
	717	27.8	29.3	28.4	30.4	31.5	32.0	32.6	33.5	33.4	35.0
	718	26.0	27.9	28.6	28.8	29.2	28.8	28.0	30.8	31.1	32.3
	719	27.6	28.5	28.1	30.1	31.5	32.3	33.7	35.0	34.9	35.4
	720	28.6	29.5	29.5	31.7	29.3	34.2	29.3	34.7	33.8	36.8

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

Group	Animal	Day									
	ID	-5	1	7	14	21	28	35	42	49	56
E120M	801	29.8	31.4	27.3	30.8	31.9	31.9	33.3	34.1	35.0	36.6
	802	29.2	30.0	29.3	30.3	32.4	32.9	33.9	34.5	34.3	34.8
	803	29.1	31.1	27.3	28.7	29.7	30.6	33.6	33.3	34.6	33.8
	804	29.4	30.0	25.9	29.0	30.8	32.7	33.6	34.1	35.1	35.6
	805	28.3	30.6	28.9	22.3	28.4	29.1	33.4	31.5	32.4	32.2
	806	25.3	26.7	20.0	22.7	24.4	25.3	25.7	25.5	26.0	28.2
	807	26.7	27.9	24.4	27.0	28.0	29.7	31.1	31.9	32.4	33.2
	808	26.6	23.6	21.6	20.6	23.9	25.1	27.0	26.8	27.6	30.3
	809	27.2	29.0	26.9	28.3	28.4	30.1	31.9	32.2	32.9	33.5
	810	25.9	25.3	26.3	28.8	31.6	34.3	36.6	35.1	37.9	39.2
	811	28.7	30.0	27.7	30.5	31.1	32.5	33.3	33.3	33.8	34.3
	812	27.4	27.6	26.2	27.2	28.1	29.2	30.3	31.0	32.8	31.1
	813	28.4	26.9	24.4	24.1	24.8	27.1	27.7	28.2	29.0	28.7
	814	25.4	23.6	23.0	25.8	28.6	29.7	31.8	33.6	34.6	32.4
	815	28.4	26.4	27.4	30.2	29.9	31.7	31.3	31.9	32.4	33.4
	816	27.6	29.3	24.4	27.8	29.2	30.1	30.8	31.8	31.5	31.8
	817	27.0	27.8	25.3	23.9	24.1	26.4	27.9	28.2	27.8	30.3
	818	30.3	31.2	27.8	28.3	30.8	31.6	32.9	33.0	33.8	35.1
	819	28.1	28.5	26.3	28.7	30.1	31.9	32.2	31.9	32.8	32.7
	820	28.9	32.1	26.1	28.5	28.6	30.7	32.6	32.0	31.4	33.2

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

Group	Animal	Day				
	ID	63	70	77	84	91
CM	101	35.7	34.1	35.2	34.1	35.4
	102	38.0	38.5	36.3	40.0	39.3
	103	37.7	37.6	38.5	39.1	39.1
	104	38.0	39.7	41.5	42.5	43.0
	105	35.6	35.8	36.0	37.2	35.8
	106	39.0	40.4	41.2	41.2	41.1
	107	40.4	40.6	41.2	42.2	41.9
	108	41.4	44.4	44.0	42.7	43.5
	109	37.5	39.7	39.0	36.8	40.1
	110	37.0	36.0	36.1	38.3	34.0
	111	36.4	36.5	37.6	35.1	37.6
	112	36.5	36.6	36.4	38.3	37.1
	113	42.3	42.6	43.3	44.1	43.1
	114	35.9	35.8	32.7	35.6	35.3
	115	40.9	42.8	41.2	40.4	42.2
	116	35.2	33.6	34.0	34.8	36.6
	117	36.5	38.0	38.4	35.7	38.8
	118	39.8	40.2	40.6	40.5	40.1
	119	39.3	39.9	40.7	42.3	40.5
	120	40.2	40.0	39.4	41.1	40.2
NT120M	201	36.7	39.3	38.3	35.4	36.9
	202	35.6	36.5	36.8	36.9	36.3
	203	32.3	32.5	33.0	33.5	31.6
	204	34.0	34.3	34.7	36.3	34.8
	205	30.6	31.3	31.2	30.3	31.5
	206	32.7	32.4	33.0	33.7	33.7
	207	32.2	32.6	33.3	34.1	34.4
	208	37.0	36.8	35.9	36.6	37.2

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

Group	Animal	Day				
	ID	63	70	77	84	91
NT120M	209	33.7	33.9	33.1	34.0	34.8
	210	31.2	30.7	31.4	31.1	30.7
	211	33.6	31.7	33.0	32.3	34.5
	212	33.0	33.8	34.8	36.0	35.4
	213	32.7	33.4	33.4	34.1	33.0
	214	33.0	34.4	33.8	34.4	34.1
	215	33.1	34.2	34.2	34.3	33.0
	216	32.4	31.8	29.0	31.7	33.9
	217	33.0	34.0	33.4	34.9	34.0
	218	36.6	37.0	36.5	37.3	37.8
	219	31.4	31.6	30.8	32.0	31.5
	220	32.6	31.9	31.8	31.9	31.5
B6M	301	40.8	40.3	38.5	41.0	40.3
	302	36.3	36.9	37.8	38.9	39.0
	303	36.2	37.0	36.8	36.6	37.4
	304	34.5	37.0	37.1	37.2	38.6
	305	41.8	43.3	44.0	44.9	44.9
	306	34.7	35.1	36.1	36.5	36.1
	307	39.7	38.1	39.8	41.0	41.5
	308	39.7	39.0	39.1	36.3	40.4
	309	36.0	36.9	35.3	36.2	36.3
	310	31.3	31.8	32.6	32.8	33.4
	311	36.3	36.5	36.8	37.4	37.5
	312	40.5	40.7	43.0	39.7	41.8
	313	39.5	40.4	40.7	40.6	42.7
	314	37.9	36.3	39.3	38.6	40.1
	315	39.4	40.2	40.6	41.5	41.6
	316	39.0	39.9	40.6	43.0	42.7

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

Group	Animal	Day				
	ID	63	70	77	84	91
B6M	317	31.9	36.0	33.6	35.7	38.3
	318	36.8	38.8	39.0	40.6	41.1
	319	37.5	38.8	38.8	38.4	38.4
	320	38.0	36.0	38.1	40.2	41.7
B60M	401	30.0	33.3	28.9	32.4	26.6
	402	33.5	32.9	32.4	33.2	32.8
	403	38.8	39.9	38.8	40.2	39.8
	404	35.9	35.4	37.1	36.9	36.9
	405	38.7	38.4	38.8	38.2	39.2
	406	32.1	35.5	36.6	36.2	37.0
	407	35.4	34.5	34.6	35.4	35.1
	408	37.5	36.1	37.7	37.4	37.7
	409	32.0	32.2	31.1	33.4	33.4
	410	37.5	37.0	36.0	38.0	39.5
	411	40.3	40.0	40.0	40.0	39.7
	412	37.9	37.9	38.9	39.3	37.4
	413	33.9	33.6	33.8	34.1	34.3
	414	36.7	37.3	37.5	36.5	35.9
	415	36.5	37.3	37.7	37.1	36.0
	416	40.4	40.3	39.9	41.1	40.7
	417	30.3	31.8	30.9	32.3	33.0
	418	27.5	30.7	30.6	33.2	34.3
	419	41.4	41.7	41.4	41.6	41.2
	420	34.5	34.8	35.6	36.2	37.0
B120M	501	35.5	35.3	37.0	37.1	37.4
	502	29.5	29.7	29.1	31.4	31.3
	503	31.6	32.0	32.9	33.1	32.7
	504	30.7	30.0	31.9	31.7	31.5

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

Group	Animal	Day				
	ID	63	70	77	84	91
B120M	505	34.7	36.4	38.1	38.0	33.0
	506	36.5	36.0	37.1	36.9	37.3
	507	39.5	38.1	38.1	40.2	39.4
	508	27.7	28.9	28.1	28.8	28.2
	509	34.2	34.4	36.2	35.8	36.1
	510	33.3	34.6	33.5	34.2	34.2
	511	36.7	34.3	32.4	34.2	33.9
	512	34.5	35.4	35.5	36.5	35.6
	513	31.5	32.3	32.8	33.2	32.6
	514	36.7	37.4	37.7	37.3	34.9
	515	31.6	31.6	29.2	32.2	31.4
	516	30.7	31.0	30.2	31.2	31.6
	517	33.4	32.8	34.4	34.0	33.4
	518	36.4	36.5	35.5	36.5	37.2
	519	28.0	29.3	29.4	30.1	29.8
	520	32.5	33.8	34.5	33.5	34.5
E6M	601	36.1	34.4	35.6	37.2	38.5
	602	42.8	43.8	42.5	44.3	44.2
	603	37.6	38.4	39.0	42.3	39.8
	604	35.9	35.9	36.7	37.8	38.1
	605	31.3	31.5	32.5	32.3	31.5
	606	33.3	33.7	35.7	35.8	36.6
	607	39.1	38.6	38.1	39.3	40.9
	608	41.1	38.9	41.8	43.9	43.1
	609	37.3	37.5	36.5	38.8	38.6
	610	39.0	38.7	40.5	40.3	39.5
	611	37.6	37.5	38.2	38.9	37.4
	612	38.1	38.4	40.0	37.6	40.0

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

Group	Animal	Day				
	ID	63	70	77	84	91
E6M	613	39.9	39.6	40.6	42.1	41.6
	614	38.4	37.4	38.7	39.4	36.6
	615	38.9	39.7	39.4	41.4	39.0
	616	35.1	35.4	36.5	36.4	35.8
	617	39.6	39.8	41.2	41.7	42.0
	618	39.6	38.0	37.0	41.7	41.2
	619	33.6	38.8	38.8	39.2	39.8
	620	39.4	37.4	39.6	40.6	40.8
E60M	701	35.5	35.6	35.8	36.4	34.8
	702	33.9	34.2	34.6	34.5	33.9
	703	42.7	43.4	41.6	42.0	41.5
	704	38.1	37.4	38.5	39.4	37.5
	705	30.8	34.2	35.1	34.3	35.3
	706	39.6	40.1	40.0	40.3	37.6
	707	33.5	35.2	36.3	35.5	35.9
	708	30.2	29.1	30.9	30.7	31.3
	709	32.4	35.4	33.5	33.4	32.6
	710	37.9	38.4	39.1	39.9	39.7
	711	38.3	39.0	39.0	39.7	38.9
	712	36.8	37.0	38.1	37.2	38.9
	713	38.6	37.9	35.5	38.8	38.8
	714	37.5	39.2	38.3	38.8	37.3
	715	32.8	33.5	34.9	34.2	33.5
	716	36.8	37.7	37.5	37.9	37.8
	717	36.8	35.8	35.5	36.7	36.5
	718	32.1	31.7	33.4	32.7	32.1
	719	34.4	35.5	33.6	34.5	35.4
	720	36.0	36.4	38.2	35.0	38.6

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

Group	Animal	Day				
	ID	63	70	77	84	91
E120M	801	37.2	37.2	37.2	37.2	37.5
	802	35.4	34.1	35.0	35.3	32.8
	803	35.8	35.6	36.0	36.3	32.0
	804	36.3	35.1	35.8	36.5	35.2
	805	32.8	32.5	32.8	32.7	32.9
	806	28.6	27.3	27.9	29.2	29.9
	807	33.9	33.3	33.9	34.0	34.9
	808	30.0	30.2	30.7	30.6	29.9
	809	33.1	33.9	34.9	33.7	34.0
	810	38.9	39.0	38.6	39.2	38.4
	811	34.4	35.4	35.8	36.0	35.7
	812	31.3	32.6	32.7	32.6	32.9
	813	29.7	29.2	29.4	30.0	30.0
	814	35.1	35.6	36.6	35.8	34.8
	815	34.1	34.2	33.3	34.4	33.2
	816	33.5	32.8	34.4	33.2	32.0
	817	31.4	31.1	31.2	31.0	30.7
	818	35.1	33.0	35.6	38.3	34.6
	819	33.4	33.8	34.4	34.0	33.1
	820	34.8	34.9	35.2	34.9	36.1

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	23.9	22.8	25.5	25.9	26.6	28.5	27.7	28.2	31.1	29.6
	152	23.3	23.5	24.7	25.5	25.4	27.3	26.0	27.9	30.9	30.6
	153	23.2	23.0	24.5	24.5	25.6	27.7	29.3	28.2	29.8	33.7
	154	21.3	21.4	22.9	23.7	24.0	23.5	24.1	26.2	26.4	25.4
	155	21.5	20.4	21.4	22.1	23.9	24.5	25.3	25.5	26.1	28.4
	156	21.9	21.0	22.1	22.0	24.4	25.2	25.5	25.5	28.5	28.5
	157	23.0	23.1	23.9	23.5	25.5	27.1	26.6	29.3	27.3	30.3
	158	20.5	20.0	21.5	20.9	22.2	23.4	24.8	26.3	24.7	26.7
	159	22.6	22.0	23.1	23.2	22.2	22.7	22.6	24.6	24.3	24.6
	160	23.7	23.3	25.8	27.1	26.1	28.4	28.8	30.7	35.8	30.3
	161	24.3	23.5	25.6	25.5	25.4	27.0	27.5	30.1	29.5	30.3
	162	21.4	21.8	22.5	23.2	22.7	25.2	26.4	27.1	25.8	28.6
	163	24.0	23.5	25.7	26.4	26.7	28.9	29.4	30.4	30.7	33.8
	164	20.7	20.4	21.9	23.2	22.5	23.6	23.2	24.7	26.9	25.1
	165	22.5	22.0	23.8	25.3	25.2	25.6	25.3	26.0	27.5	27.0
	166	22.3	22.1	23.2	25.0	24.6	26.3	26.5	26.7	27.8	28.7
	167	22.3	21.5	23.3	24.8	24.0	22.8	25.1	26.5	26.6	28.9
	168	22.8	22.3	23.9	26.7	24.5	23.3	25.2	26.2	26.4	26.0
	169	23.0	21.7	23.7	25.2	25.2	23.0	26.5	26.9	26.7	27.5
	170	23.5	23.2	24.9	27.2	25.4	24.7	26.0	28.2	28.2	30.3
NT120F	251	24.2	23.8	25.5	25.1	25.4	25.2	26.5	26.2	26.5	26.8
	252	22.4	21.6	20.7	22.1	24.6	23.5	24.1	23.9	24.2	25.5
	253	23.8	23.3	22.4	24.1	23.8	24.6	25.0	25.4	25.2	26.1
	254	22.0	22.6	22.9	23.5	23.5	25.0	24.9	27.5	25.2	26.0
	255	20.6	20.7	21.0	21.3	21.5	22.7	22.9	22.6	23.3	24.8
	256	21.8	23.1	23.5	24.4	24.9	25.7	26.0	26.2	26.0	26.6
	257	23.2	24.1	24.4	25.7	26.4	26.7	27.3	28.6	28.4	29.1
	258	21.8	21.8	22.0	22.8	21.8	21.8	22.4	23.5	23.1	23.3

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

Group	Animal	Day									
	ID	-6	1	7	14	21	28	35	42	49	56
NT120F	259	22.9	22.8	22.4	24.3	24.1	24.9	24.1	26.8	24.0	25.9
	260	22.3	22.4	22.3	23.6	24.8	24.1	24.2	25.3	24.0	24.3
	261	23.5	23.6	24.1	25.3	25.6	25.8	26.5	28.2	26.0	27.3
	262	21.5	21.6	22.3	23.7	24.3	25.1	23.4	26.1	24.0	24.6
	263	21.1	21.2	21.4	22.8	22.6	22.9	23.5	23.2	23.3	24.0
	264	22.6	23.1	22.5	24.0	24.6	25.6	25.1	26.1	26.1	25.7
	265	22.8	23.5	24.1	24.3	25.5	25.1	24.9	26.0	26.8	26.8
	266	20.3	20.6	20.7	22.6	23.4	23.2	23.2	23.1	23.7	23.7
	267	23.3	21.4	22.8	24.2	22.5	25.6	26.0	26.2	28.1	28.1
	268	24.0	22.1	23.2	24.1	23.4	26.2	25.9	26.2	26.9	28.0
	269	23.0	20.6	22.7	23.9	21.9	25.6	27.2	25.8	27.0	27.7
B6F	270	23.9	22.0	23.2	23.9	22.2	26.4	25.6	25.9	26.4	28.5
	351	23.7	22.9	24.3	24.4	24.1	25.0	24.7	24.6	26.4	26.6
	352	22.3	20.7	22.8	24.6	23.5	23.5	23.8	24.3	25.3	25.8
	353	20.9	20.9	21.7	22.7	23.4	24.0	24.0	25.1	25.7	27.8
	354	22.9	21.5	24.3	25.7	23.9	25.0	24.5	25.3	25.9	28.0
	355	22.5	21.8	22.0	22.0	22.3	24.0	24.3	23.5	25.2	24.5
	356	23.1	23.7	24.8	25.1	25.9	25.8	25.8	25.4	27.8	28.2
	357	23.1	23.8	23.2	24.5	26.0	23.7	24.7	24.9	25.3	25.6
	358	21.7	22.2	22.6	23.6	24.4	25.3	24.7	24.0	25.8	25.7
	359	24.2	23.9	25.8	26.4	27.9	27.6	29.4	26.0	29.6	31.0
	360	22.6	23.4	24.6	26.5	27.1	27.3	26.8	23.1	27.5	25.0
	361	23.5	23.0	24.8	26.2	26.5	27.1	28.8	25.3	28.7	27.0
	362	23.9	23.8	25.0	25.9	26.1	25.5	26.1	22.3	26.5	25.0
	363	21.4	21.1	23.7	22.9	24.6	25.8	25.1	25.2	25.8	26.9
	364	22.7	21.7	22.6	22.4	23.5	23.8	23.7	24.0	24.0	23.9
	365	22.1	22.4	24.0	25.1	26.8	27.0	27.7	27.6	31.1	31.8
	366	21.8	21.0	21.6	21.9	23.3	22.9	23.4	23.8	24.2	24.7

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	367	24.1	23.9	24.7	26.4	26.2	25.7	26.6	24.6	26.7	26.5
	368	23.4	24.3	25.1	26.1	25.5	26.4	27.2	26.6	26.8	28.9
	369	21.2	22.1	23.0	25.4	25.0	26.8	27.1	24.6	27.7	27.2
	370	20.5	21.5	22.4	23.5	26.3	23.8	22.9	24.2	25.3	27.0
B60F	451	20.1	20.4	21.6	21.7	23.0	23.5	22.3	23.1	24.1	23.7
	452	22.6	22.3	23.6	23.2	24.6	25.0	23.8	24.8	25.1	24.2
	453	22.4	22.5	23.0	23.9	25.1	24.6	23.0	23.8	24.7	23.7
	454	23.5	23.8	25.7	25.4	25.9	26.8	24.5	27.4	27.6	26.4
	455	23.3	23.0	22.9	23.1	24.4	24.6	25.1	25.5	26.7	29.6
	456	21.9	21.2	22.4	22.9	23.9	25.2	25.2	27.0	27.0	28.4
	457	23.1	23.3	24.1	23.2	25.9	28.2	26.6	27.5	28.3	30.8
	458	23.8	23.9	23.4	23.1	23.6	25.4	24.6	27.0	28.3	27.2
	459	24.3	24.0	24.9	25.4	25.4	25.5	27.2	26.6	26.6	29.1
	460	22.1	22.7	23.3	23.8	24.7	25.8	24.3	25.3	25.9	25.9
	461	21.5	22.7	23.1	23.2	24.2	24.0	24.0	23.7	24.8	25.4
	462	21.3	21.7	22.4	22.3	22.6	23.0	24.0	24.0	23.9	23.6
	463	22.4	22.7	24.4	24.0	24.7	25.1	25.3	25.3	25.6	25.9
	464	23.9	24.5	24.9	25.0	26.0	26.5	27.0	27.7	27.3	27.2
	465	23.0	22.5	23.8	24.3	24.9	25.2	26.2	28.1	26.8	27.6
	466	20.8	20.2	21.1	21.1	22.5	23.2	23.8	25.1	24.8	24.3
	467	22.6	23.0	24.1	25.7	26.1	27.2	26.3	28.8	27.9	29.0
	468	24.0	24.0	24.7	26.2	26.1	27.5	27.6	28.3	30.9	30.0
	469	22.8	22.8	23.6	26.5	27.1	26.6	26.5	29.2	30.9	28.8
	470	21.8	22.8	22.9	23.4	23.9	24.9	24.1	26.4	28.0	26.1
B120F	551	20.6	21.0	21.2	21.5	22.9	24.0	23.9	25.0	25.4	25.6
	552	22.0	21.8	22.4	22.8	23.8	25.2	26.2	26.4	27.6	27.3
	553	22.9	22.4	21.0	23.2	24.1	24.8	26.0	25.3	25.0	25.7
	554	21.4	21.6	23.0	23.6	23.2	24.0	24.1	23.4	24.3	24.6

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

Group	Animal	Day									
	ID	-6	1	7	14	21	28	35	42	49	56
B120F	555	21.2	21.9	22.2	22.3	23.7	23.4	25.8	25.4	24.9	25.0
	556	22.5	23.8	24.0	24.9	27.0	25.6	27.1	30.1	28.8	29.8
	557	22.3	22.3	21.0	22.9	24.6	24.2	26.8	25.7	26.2	29.0
	558	24.2	22.5	22.5	23.3	24.8	24.6	25.7	26.9	25.2	26.0
	559	23.9	23.8	24.8	25.1	26.4	26.4	25.6	26.9	27.1	29.0
	560	23.2	23.7	23.1	25.9	26.9	27.0	27.2	27.0	27.5	29.7
	561	21.7	21.3	22.0	23.3	25.4	25.6	25.6	26.5	28.5	27.1
	562	24.1	22.7	22.5	24.5	26.1	26.0	25.4	27.1	27.0	29.8
	563	23.3	23.6	25.0	26.0	26.4	26.2	26.8	26.8	27.1	27.8
	564	20.1	21.3	20.4	22.1	22.9	23.9	24.1	23.2	24.0	23.1
	565	22.5	22.0	22.7	23.2	24.2	26.9	26.6	26.9	27.9	27.8
	566	23.4	23.8	24.4	25.8	27.9	28.4	28.3	28.9	29.1	30.4
	567	22.7	22.5	24.3	25.2	26.1	26.3	26.5	27.3	27.2	26.7
	568	23.6	23.5	23.4	24.5	25.7	25.8	25.1	26.0	27.1	26.3
	569	23.0	22.5	23.0	24.6	25.8	25.5	25.8	26.7	26.9	27.3
	570	22.0	22.0	22.1	24.0	24.3	24.6	24.1	25.8	25.1	25.5
E6F	651	21.0	21.3	22.9	24.8	25.1	26.2	26.6	27.4	28.8	28.5
	652	21.5	21.8	22.7	25.3	24.9	24.5	26.6	26.9	27.0	27.6
	653	20.3	20.6	21.0	22.2	22.9	23.5	23.3	23.1	24.4	24.3
	654	22.8	23.8	25.0	26.8	25.8	27.7	28.0	28.9	30.0	30.9
	655	20.8	20.9	22.4	23.2	23.9	24.4	25.4	26.9	26.9	30.4
	656	24.0	22.9	22.9	24.6	23.8	25.4	26.3	26.6	27.6	28.6
	657	22.3	21.5	22.3	22.1	22.1	23.4	24.2	23.7	25.3	26.3
	658	23.3	22.4	23.4	23.6	23.7	24.5	25.4	24.9	26.2	27.3
	659	23.8	23.9	24.8	23.9	24.6	24.2	25.0	27.8	26.5	26.2
	660	22.1	22.3	23.9	23.6	24.3	25.3	27.6	27.8	27.4	29.5
	661	23.6	23.8	24.8	23.6	25.0	25.1	27.7	28.5	27.5	27.9
	662	23.9	23.7	24.9	25.8	26.2	26.8	27.1	31.2	28.5	29.3

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	663	22.0	22.2	22.9	24.1	24.5	25.8	26.7	27.4	28.2	28.1
	664	23.3	23.7	22.5	23.2	23.1	26.2	27.6	26.6	27.7	26.8
	665	24.3	23.6	24.0	23.6	23.8	27.1	28.3	27.0	27.7	26.8
	666	23.0	23.0	24.4	24.8	24.0	25.9	26.7	27.2	26.8	27.2
	667	22.7	22.9	22.9	24.0	24.5	27.1	26.4	26.4	27.7	27.3
	668	21.8	21.7	22.2	22.9	24.9	24.7	24.5	22.9	26.6	25.7
	669	22.5	22.2	23.8	25.1	25.4	27.8	28.3	26.2	28.4	27.8
	670	22.6	21.8	23.1	24.6	25.9	25.5	25.5	24.3	25.2	26.2
E60F	751	24.1	24.4	24.7	26.6	27.0	27.5	29.3	27.4	28.7	29.9
	752	24.3	24.0	23.7	24.4	24.9	25.0	26.5	25.4	26.0	27.8
	753	23.3	23.3	22.9	24.0	24.6	26.1	25.9	24.8	26.0	26.1
	754	22.6	23.4	23.0	23.0	24.4	24.2	24.7	23.2	24.0	23.9
	755	20.4	21.0	21.2	23.2	24.0	22.4	23.4	24.9	25.1	26.9
	756	21.0	21.8	22.1	22.9	24.7	25.0	24.8	26.2	25.8	27.6
	757	23.2	23.5	22.9	25.3	25.5	26.3	28.1	29.9	29.4	29.0
	758	23.9	23.4	23.1	24.4	24.7	24.1	24.8	27.7	26.0	24.8
	759	23.7	23.7	23.7	24.8	24.1	27.4	27.5	27.0	26.8	27.8
	760	21.5	21.2	21.4	22.0	21.3	23.7	23.4	24.0	23.9	23.8
	761	23.1	23.2	23.9	24.8	24.1	28.5	27.6	28.2	27.1	29.7
	762	22.3	23.5	23.9	24.9	24.3	26.4	26.1	26.5	26.8	28.2
	763	21.9	21.9	22.9	24.8	24.7	25.2	26.9	26.0	25.7	27.7
	764	22.5	21.3	23.5	24.5	24.7	26.3	25.7	26.5	25.0	26.8
	765	21.0	21.1	22.1	23.2	23.7	23.5	24.7	24.7	23.3	25.6
	766	22.9	23.2	25.3	27.5	28.0	27.7	28.3	28.5	25.5	27.4
	767	22.2	22.3	22.4	23.1	22.5	24.0	25.2	24.9	22.4	25.3
	768	21.6	21.7	22.9	24.1	24.9	26.1	27.7	26.8	23.9	27.3
	769	22.8	22.6	23.6	25.5	25.8	27.2	27.3	27.3	24.5	28.9
	770	23.5	24.2	23.9	24.2	26.4	26.9	27.9	26.5	26.5	28.7

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

Group	Animal	Day									
	ID	-6	1	7	14	21	28	35	42	49	56
E120F	851	21.8	21.8	21.8	23.3	23.5	23.6	24.4	25.2	25.8	25.1
	852	21.0	20.6	22.6	25.6	24.3	24.2	23.9	25.4	25.5	24.9
	853	24.0	24.0	23.4	24.3	25.5	26.1	26.3	26.5	27.4	26.6
	854	23.9	24.5	24.7	26.9	28.1	28.3	27.3	30.7	29.4	28.6
	855	21.5	21.1	20.7	22.1	22.2	24.2	23.6	24.3	24.6	25.0
	856	22.2	22.0	21.8	23.2	23.2	23.1	23.9	24.2	25.4	24.9
	857	23.2	22.8	23.1	24.5	26.1	25.5	25.2	26.0	26.3	26.8
	858	20.8	20.6	20.7	21.4	21.9	22.8	23.8	24.1	23.6	24.5
	859	22.6	22.8	21.6	21.1	26.0	27.0	25.9	26.9	27.3	28.7
	860	23.4	24.1	24.9	22.2	27.0	27.8	26.8	28.5	27.9	26.1
	861	22.6	22.5	22.2	20.4	23.9	24.6	24.3	25.0	27.1	24.7
	862	22.4	23.5	22.9	20.8	24.9	24.6	25.1	25.7	27.2	25.6
	863	20.2	19.5	19.5	21.9	22.2	21.2	22.1	22.9	23.2	24.2
	864	21.7	21.2	22.2	23.2	23.1	23.2	23.4	24.6	24.9	24.9
	865	22.9	23.7	23.8	26.6	28.1	28.9	27.0	27.0	28.4	27.8
	866	23.5	24.0	21.2	25.9	25.5	26.3	28.7	26.9	28.2	29.0
	867	24.2	24.1	23.8	25.6	26.4	25.9	27.4	26.9	27.4	27.4
	868	23.7	24.0	24.2	25.5	26.1	26.9	26.4	26.8	26.4	27.7
	869	23.1	23.0	23.6	25.2	24.7	25.2	25.3	25.8	25.9	25.6
	870	22.3	23.1	21.1	24.1	24.6	24.5	25.7	25.3	25.2	25.9

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

Group	Animal	Day				
	ID	63	70	77	84	91
CF	151	33.1	33.1	31.5	33.8	32.5
	152	29.6	30.9	28.5	29.8	28.7
	153	32.1	32.8	32.3	33.5	31.6
	154	25.1	25.8	25.6	26.9	27.0
	155	26.2	26.7	27.1	29.6	26.9
	156	28.3	28.7	28.6	30.6	28.6
	157	29.9	31.3	29.1	32.0	31.0
	158	26.6	27.0	27.0	27.8	27.9
	159	25.3	26.3	26.3	26.1	27.5
	160	31.6	34.6	37.1	36.6	38.2
	161	30.7	31.2	31.3	32.2	33.2
	162	28.3	28.7	27.6	28.2	28.8
	163	32.9	31.7	33.1	33.9	32.6
	164	26.1	25.9	27.6	25.5	26.8
	165	26.7	27.9	27.7	27.8	27.9
	166	28.6	30.1	29.2	30.6	28.9
	167	29.0	28.2	33.0	30.0	29.0
	168	29.0	29.7	27.8	28.0	27.5
	169	27.3	28.8	28.3	29.9	29.6
	170	29.0	28.7	29.7	31.0	29.4
NT120F	251	27.5	27.9	29.1	31.1	28.0
	252	24.4	24.2	24.6	25.5	23.7
	253	25.8	26.2	25.9	25.7	23.3
	254	26.4	26.3	26.1	27.0	25.3
	255	23.6	23.4	23.5	24.4	23.3
	256	27.9	27.3	27.4	28.4	27.4
	257	28.5	31.3	31.4	31.0	30.1
	258	23.8	24.0	23.8	24.9	24.4

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

Group	Animal	Day				
	ID	63	70	77	84	91
NT120F	259	25.5	28.6	27.2	26.9	26.5
	260	24.7	26.1	26.7	26.6	25.7
	261	27.7	28.9	29.4	30.4	28.3
	262	24.6	25.8	26.8	25.6	25.3
	263	24.5	24.5	25.4	26.1	29.4
	264	26.1	27.4	28.6	30.1	27.9
	265	27.7	26.8	28.1	29.1	27.3
	266	24.4	25.4	27.3	24.6	24.6
	267	28.4	28.5	29.7	29.3	28.9
	268	27.5	28.6	29.2	28.6	28.5
	269	27.3	28.7	30.1	29.0	28.2
	270	27.5	28.4	29.1	27.7	27.8
B6F	351	29.4	27.9	27.3	28.4	28.5
	352	26.6	27.1	27.0	29.2	27.1
	353	25.8	26.2	26.9	27.5	26.5
	354	28.9	27.5	28.1	28.2	29.2
	355	23.8	24.8	26.1	26.1	26.2
	356	27.5	27.6	29.5	28.7	29.1
	357	25.0	25.2	27.3	27.3	25.7
	358	25.2	26.0	26.8	27.5	27.3
	359	33.1	31.6	34.8	34.7	33.9
	360	29.6	29.2	30.0	30.5	29.5
	361	29.3	30.4	30.9	32.7	30.8
	362	27.1	27.8	27.8	27.9	26.8
	363	27.2	26.7	28.7	27.5	28.3
	364	25.6	24.5	24.7	26.5	25.0
	365	33.8	31.5	31.5	34.4	33.6
	366	26.0	24.5	25.4	27.5	25.8

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

Group	Animal	Day				
	ID	63	70	77	84	91
B6F	367	25.8	26.4	27.3	29.4	26.9
	368	28.0	30.1	29.8	30.8	29.6
	369	28.6	29.4	29.7	31.9	29.1
	370	25.7	26.6	28.1	29.7	27.1
B60F	451	25.5	24.3	25.9	25.2	25.3
	452	26.5	25.8	26.9	26.9	26.4
	453	25.3	25.1	26.1	25.4	24.8
	454	30.0	30.1	31.9	29.3	29.3
	455	26.4	26.4	27.9	28.1	30.3
	456	27.6	27.9	28.7	31.6	27.0
	457	27.8	29.7	32.6	29.0	29.0
	458	26.8	28.6	27.5	30.4	26.0
	459	29.6	28.1	28.8	30.6	30.1
	460	27.0	26.7	27.0	27.2	26.2
	461	25.2	25.9	25.0	25.5	25.9
	462	23.9	25.4	24.5	26.7	24.0
	463	26.5	26.5	25.9	26.6	26.2
	464	28.1	28.1	28.2	29.1	28.7
	465	26.4	28.2	28.5	28.8	31.2
	466	24.6	24.7	25.3	25.7	24.3
	467	27.6	29.7	29.6	28.7	28.4
	468	29.0	30.2	31.7	31.8	30.2
	469	28.3	30.5	29.6	29.3	28.9
	470	25.7	26.4	29.6	27.0	27.9
B120F	551	25.8	25.0	26.5	26.4	25.7
	552	29.2	27.0	29.1	28.7	27.8
	553	27.7	26.0	28.0	28.7	28.7
	554	25.4	24.0	24.9	26.4	25.4

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

Group	Animal	Day				
	ID	63	70	77	84	91
B120F	555	25.9	27.0	26.7	26.7	26.3
	556	29.7	28.1	30.5	30.5	30.9
	557	28.5	27.5	26.9	29.0	26.8
	558	26.0	26.6	26.4	26.7	25.4
	559	28.8	28.1	28.6	27.6	27.4
	560	29.5	29.2	29.3	28.8	27.9
	561	26.8	27.9	28.2	30.5	26.0
	562	27.9	29.2	28.6	29.5	27.7
	563	28.6	29.3	29.3	29.0	30.4
	564	25.7	25.4	25.4	26.1	28.4
	565	28.6	27.5	28.0	30.7	30.7
	566	30.1	31.6	33.0	31.8	30.7
	567	28.3	28.2	29.1	29.2	28.8
	568	27.0	28.3	27.4	27.4	27.1
	569	28.0	28.8	31.3	28.8	28.8
	570	25.4	25.9	26.2	26.8	26.1
E6F	651	29.2	28.7	28.8	32.2	30.7
	652	30.8	28.1	30.8	29.5	28.7
	653	24.4	23.1	25.3	25.7	25.1
	654	31.0	30.8	31.1	31.9	31.3
	655	28.2	28.2	26.8	29.2	29.5
	656	29.5	29.0	29.6	31.9	29.2
	657	25.8	27.2	28.1	28.5	27.5
	658	27.9	29.2	28.0	28.8	28.0
	659	25.2	25.8	28.3	26.3	27.2
	660	28.5	28.8	30.2	30.8	29.2
	661	27.2	28.4	28.8	28.6	29.3
	662	28.5	31.8	32.7	29.7	32.1

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

Group	Animal	Day				
	ID	63	70	77	84	91
E6F	663	30.4	30.1	30.7	31.6	31.0
	664	32.2	29.9	29.3	30.4	28.9
	665	29.1	28.7	29.3	31.6	31.0
	666	27.5	27.9	28.2	28.7	28.0
	667	28.3	27.6	29.9	32.5	28.0
	668	26.3	26.3	26.1	27.5	25.0
	669	29.1	29.1	33.3	30.4	29.0
	670	27.4	27.5	27.1	28.7	27.0
E60F	751	28.0	32.8	30.6	33.6	31.3
	752	25.9	26.9	28.1	27.0	27.7
	753	24.4	26.1	26.4	26.0	26.8
	754	24.0	25.4	24.9	25.6	25.7
	755	26.1	26.4	26.7	26.7	26.8
	756	28.0	26.5	27.7	28.2	27.9
	757	29.4	29.6	29.8	30.9	30.5
	758	26.5	27.0	27.4	27.7	26.6
	759	29.6	30.3	29.5	34.6	30.0
	760	24.8	23.5	23.1	25.3	25.1
	761	30.0	29.9	30.5	32.6	29.6
	762	28.1	29.3	32.0	31.2	29.5
	763	28.9	27.5	28.8	30.9	28.9
	764	27.2	27.5	30.0	27.4	27.8
	765	25.1	25.1	26.7	25.8	25.5
	766	29.2	29.4	31.4	30.5	29.8
	767	25.7	25.7	28.7	26.0	25.3
	768	28.4	27.7	28.8	29.6	28.2
	769	28.6	28.0	30.9	30.7	28.1
	770	28.7	29.0	32.0	30.4	28.0

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

Group	Animal	Day				
	ID	63	70	77	84	91
E120F	851	26.3	27.1	26.2	26.1	25.7
	852	26.2	26.1	28.2	27.9	27.3
	853	28.1	27.1	27.5	27.8	28.6
	854	28.5	32.6	30.6	29.1	27.9
	855	24.4	25.8	25.4	25.7	25.6
	856	25.1	26.2	26.7	26.9	25.5
	857	26.3	27.2	27.1	28.3	27.4
	858	24.3	24.2	24.9	26.0	24.4
	859	27.4	27.5	30.7	27.2	27.6
	860	28.5	27.5	29.2	28.9	28.0
	861	25.4	26.2	25.4	26.2	25.7
	862	26.7	27.3	27.7	27.6	27.2
	863	24.2	24.0	25.2	27.2	24.0
	864	28.7	25.4	26.2	26.1	24.9
	865	28.7	31.3	30.2	29.9	27.9
	866	29.3	29.7	29.7	29.0	28.2
	867	27.9	28.8	28.1	27.9	26.6
	868	28.8	29.1	28.7	28.4	27.1
	869	27.4	29.6	28.5	28.5	27.7
	870	26.5	26.6	26.8	26.7	25.7

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	26.1	26.0	27.6	28.1	27.5	27.1	27.5	29.4	28.5	29.0
	122	28.8	30.2	31.5	32.3	34.1	35.4	36.4	36.4	36.9	37.5
	123	28.4	29.7	31.1	31.2	33.3	34.2	34.6	34.7	35.2	36.3
	124	25.5	27.5	29.0	31.5	31.9	33.4	35.1	36.1	36.7	36.7
	125	26.5	26.8	29.6	28.9	29.3	31.1	32.5	32.9	32.8	33.5
	126	30.4	30.8	31.8	32.4	33.6	34.8	35.2	36.3	35.8	32.1
	127	27.1	28.1	29.4	29.9	30.6	32.7	34.1	36.5	37.3	38.2
	128	28.9	30.4	31.1	32.6	34.6	34.7	33.8	37.8	38.4	39.2
	129	29.6	31.3	34.1	33.9	35.5	35.0	37.2	35.9	38.4	37.7
	130	27.5	26.2	29.4	29.9	28.3	32.5	34.0	34.9	33.1	36.2
NT120M	221	27.9	28.2	26.4	27.5	28.7	29.3	30.4	31.0	32.3	32.7
	222	28.7	29.4	26.0	26.7	27.3	29.9	28.1	29.5	32.3	33.0
	223	29.4	29.4	23.9	26.8	28.7	31.7				
	224	26.7	33.2	26.2	31.4	31.4	33.8	34.7	34.6	35.4	36.7
	225	29.8	29.5	27.3	29.1	30.0	31.5	31.2	32.9	33.3	34.9
	226	29.9	29.5	28.8	30.2	32.4	32.5	32.5	32.4	32.1	32.8
	227	27.2	28.0	25.8	25.4	25.7	29.3	30.5	30.0	31.2	32.1
	228	26.0	26.4	24.0	27.7	30.9					
	229	25.2	25.8	24.3	25.4	27.1	26.2	28.0	31.0	31.2	31.6
	230	28.0	26.2	23.9	25.5	26.7	27.6	27.9	28.0	27.7	29.2
B6M	321	28.2	28.7	29.7	31.1	31.6	32.8	33.1	34.0	36.0	35.5
	322	26.4	26.4	27.0	26.4	28.8	30.9	29.8	30.8	31.0	32.0
	323	27.9	26.4	30.5	29.7	33.0	34.5	33.7	34.8	33.4	34.6
	324	25.0	27.4	28.0	29.9	25.9	30.8	31.3	30.6	30.7	32.6
	325	27.0	27.2	29.5	30.4	31.0	32.9	34.4	33.5	34.0	34.9
	326	26.8	27.1	28.3	30.8	32.0	33.4	35.2	34.5	33.2	35.6
	327	30.5	30.4	31.8	35.0	36.1	37.9	40.0	40.7	40.6	43.2
	328	29.7	28.9	31.6	32.7	32.5	34.1	36.3	36.1	36.6	36.7

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	329	28.4	28.8	31.5	33.5	34.4	32.7	35.9	36.6	37.9	38.2
	330	29.1	27.7	30.8	32.7	34.2	34.4	35.5	36.2	35.5	37.0
B60M	421	25.4	27.1	27.1	28.9	28.2	30.5				
	422	28.4	29.5	30.6	32.5	35.0	34.7	36.3	36.8	39.6	42.2
	423	29.7	30.8	30.3	32.6	32.7	33.3	35.3	34.9	35.9	36.2
	424	27.1	26.9	28.2	30.0	30.8	30.9	31.9	33.5	35.0	36.2
	425	26.6	27.1	27.0	26.4	26.3	29.2	30.3	31.0	30.8	29.7
	426	25.9	26.0	26.5	25.9	28.5	28.4	30.2	29.7	31.5	32.7
	427	28.0	29.4	30.0	30.7	33.9	33.6	36.6	35.7	35.9	36.7
	428	29.4	29.6	26.7	31.2	33.2	34.6	35.3	34.9	34.9	35.9
	429	30.4	30.4	27.7	29.3	29.4	30.6	30.7	31.6	31.4	32.1
	430	27.8	27.5	28.5	29.7	31.8	32.5	34.4	33.8	33.9	35.2
B120M	521	26.4	26.6	23.9	24.7	24.6	26.3	27.4	28.0	29.9	30.8
	522	27.1	26.6	25.1	27.2	27.9	30.3	31.9	33.3	33.6	34.8
	523	28.1	29.1	24.1	27.4	26.9	29.5	29.7	31.2	32.8	32.4
	524	29.9	25.0	23.7	25.1	26.7	28.6	29.2	29.9	31.0	31.6
	525	28.4	29.4	23.9	27.3	28.4	29.8	30.0	30.7	32.0	32.4
	526	26.1	26.6	21.3	22.7	25.5	28.6	28.7	29.3	29.0	30.7
	527	28.0	28.2	23.9	26.0	27.7	29.6	29.9	30.8	30.5	32.5
	528	30.3	32.9	28.4	31.2	31.7	33.6	32.9	27.3	33.1	34.4
	529	25.0	28.3	22.4	23.3	23.8	28.2	28.8	30.2	30.9	32.0
	530	29.3	29.5	25.0	26.1	26.8	29.2	29.9	30.7	31.9	33.0
E6M	621	27.5	29.7	29.8	31.8	32.1	33.4	34.1	33.5	35.1	32.7
	622	25.6	26.4	26.4	30.6						
	623	30.4	31.2	32.7	34.8	35.4	36.7	38.2	38.2	39.6	40.9
	624	29.5	29.7	30.6	32.1	33.3	35.3	36.9	35.7	36.2	37.1
	625	28.3	28.9	28.1	30.9	31.9	33.3	33.8	34.3	34.5	36.6
	626	26.3	27.7	25.8	28.4	23.0	30.1	33.1	31.3	32.5	32.4

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
E6M	627	29.2	32.0	25.8	35.3	37.1	37.9	33.4	38.6	38.8	39.9
	628	28.7	29.4	27.6	32.1	32.7	34.2	32.0	33.1	33.4	36.9
	629	26.4	26.5	27.4	28.6	31.6	32.7	33.3	31.2	34.3	35.1
	630	27.3	27.6	30.2	29.7	29.8	31.3	30.9	31.2	28.4	31.6
E60M	721	27.2	28.4	29.0	27.6	31.1	32.5	31.8	31.7	33.6	34.8
	722	30.0	29.3	29.2	29.4	30.3	31.2	31.1	32.4	32.5	34.3
	723	29.2	28.7	27.5	27.3	28.4	28.4	30.5	31.6	33.4	34.6
	724	28.6	28.4	29.8	30.3	32.5	31.8	34.8	35.3	37.2	38.0
	725	25.2	26.9	26.8	28.4	30.3	31.8	31.3	32.1	31.5	32.7
	726	26.9	26.6	27.2	30.4	32.1	33.3	33.7	26.5	33.5	35.0
	727	29.6	31.8	31.4	34.1	34.8	36.8	38.5	39.3	40.3	41.6
	728	28.0	27.7	25.1	28.2	29.2	31.6	33.0	34.6	34.6	35.0
	729	27.6	26.6	26.6	29.1	30.6	30.6	31.8	31.6	31.4	35.3
	730	25.9	25.7	26.0	29.2	31.4	30.3	31.7	33.0	32.8	33.4
E120M	821	27.1	27.6	24.0	26.5	25.6	28.3	29.9	29.5	30.5	32.4
	822	29.5	30.4	23.8	25.9						
	823	28.1	28.6	23.3	25.7	25.7	25.2	26.1	26.0	27.1	26.3
	824	29.4	29.7	26.3	28.1	29.7	29.7	31.4	31.8	33.7	33.2
	825	26.0	26.5	24.2	25.4	25.0	28.5	29.5	30.8	33.1	34.5
	826	27.6	27.7	25.2	25.7	27.5	30.0				
	827	28.6	27.7	26.0	25.0	26.6	28.0	28.7	29.7	29.5	29.8
	828	25.1	26.1	21.9	24.5	23.6	28.2	25.8	30.3	30.3	30.7
	829	26.8	28.0	26.8	27.9	30.7	32.0	32.2	33.1	33.8	34.2
	830	30.7	30.2	28.6	31.8	33.9	35.8	37.5	37.7	38.0	39.7

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

Group	Animal	Day				
	ID	63	70	77	84	91
CM	121	28.0	29.6	29.3	29.8	30.0
	122					
	123	36.5	37.7	40.6	39.9	38.5
	124	36.7	37.8	39.0	39.6	38.5
	125	34.7	34.2	35.0	35.2	34.6
	126	37.2	36.7	38.7	38.1	38.1
	127	39.2	40.4	41.3	42.4	42.0
	128	37.9	38.2	39.4	40.7	39.1
	129	37.7	37.3	36.5	38.0	37.2
	130	36.2	36.4	37.2	39.0	37.8
NT120M	221	33.4	33.4	35.0	33.5	34.4
	222	28.9	32.3	32.9	34.1	35.0
	223					
	224	35.8	36.1	37.0	37.3	38.0
	225	32.8	34.6	34.9	35.3	35.8
	226	34.1	36.7	37.6	34.0	35.8
	227	31.7	31.5	31.9	33.4	34.4
	228					
	229	30.4	31.3	34.2	34.7	35.9
	230	29.0	29.0	29.7	31.6	31.6
B6M	321	35.7	36.7	37.5	38.7	38.3
	322					
	323	35.0	35.7	36.2	36.2	36.7
	324	31.8	31.3	31.3	34.1	32.6
	325	34.2	33.9	36.6	37.5	37.8
	326	36.2	35.6	36.3	37.4	37.5
	327	44.2	44.4	46.2	47.3	46.1
	328	37.7	38.1	37.0	39.1	38.2

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

Group	Animal	Day				
	ID	63	70	77	84	91
B6M	329	38.5	39.7	40.0	40.3	42.6
	330	36.9	34.0	38.9	39.7	39.7
B60M	421					
	422	42.1	42.1	43.5	43.9	44.4
	423	36.6	36.2	38.6	37.9	37.1
	424	35.8	34.8	35.6	35.5	34.6
	425	30.8	31.6	34.2	32.9	34.2
	426	32.6	33.6	35.1	35.4	35.1
	427	37.5	37.7	38.8	39.2	39.7
	428	36.1	37.3	37.1	37.3	37.9
	429	32.6	32.3	34.0	33.4	33.1
	430	36.4	37.1	35.4	37.6	37.8
B120M	521	30.8	31.4	31.1	31.9	32.7
	522	34.0	34.6	36.2	36.3	36.1
	523	32.2	33.5	33.1	33.7	32.3
	524	32.1	32.1	32.0	28.4	32.0
	525	33.8	33.9	34.3	35.3	35.2
	526	31.2	30.3	30.6	31.1	30.6
	527	31.9	33.4	33.3	33.6	33.7
	528	34.3	33.6	33.6	34.6	34.4
	529	33.0	33.9	33.8	34.3	34.9
	530	33.6	33.9	34.6	35.4	35.6
E6M	621	35.8	36.3	36.3	34.8	37.3
	622					
	623	41.0	41.3	42.1	42.9	43.4
	624	37.7	37.8	38.3	39.0	39.2
	625	35.6	35.6	36.2	37.7	36.0
	626	33.8	35.0	35.0	36.1	36.1

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

Group	Animal	Day				
	ID	63	70	77	84	91
E6M	627	41.1	41.4	42.2	42.2	41.7
	628	37.4	35.3	38.5	39.1	38.0
	629	36.4	35.6	36.3	38.0	36.0
	630	32.0	31.8	33.3	34.0	33.5
E60M	721	35.3	36.0	36.5	37.7	38.4
	722	34.3	35.4	35.8	36.0	32.0
	723					
	724	39.0	38.7	38.8	38.8	39.9
	725	33.5	32.8	33.2	33.4	33.0
	726	35.5	34.3	33.7	34.9	35.4
	727	41.1	40.7	41.1	41.6	41.8
	728	35.7	35.3	35.5	36.2	36.1
	729	33.6	34.3	34.2	36.2	34.4
	730	33.8	31.0	35.0	35.6	35.6
E120M	821	32.5	32.6	34.6	33.8	34.1
	822					
	823	27.2	27.4	29.4	29.1	31.1
	824	30.2	33.3	32.6	34.1	34.3
	825	34.2	34.2	32.1	32.9	34.9
	826					
	827					
	828	32.0	31.6	33.3	30.8	32.9
	829	33.5	34.8	33.8	32.3	34.7
	830	38.9	38.3	40.0	39.4	39.2

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	23.0	23.2	25.3	25.5	26.2	27.2	27.9	28.7	29.4	30.0
	172	21.8	22.0	23.6	23.8	24.8	24.9	25.8	25.8	27.9	26.8
	173	23.8	23.7	25.2	26.6	27.5	29.3	29.1	31.5	31.2	32.2
	174	24.7	24.4	26.2	26.4	27.3	28.5	29.5	28.7	31.3	30.3
	175	23.5	23.0	25.2	26.3	26.0	27.9	27.5	28.8	29.8	33.0
	176	23.8	24.1	25.6	26.8	28.2	29.5	28.8	31.5	30.7	29.8
	177	22.1	21.9	23.0	25.6	24.1	25.1	24.5	25.6	27.3	26.1
	178	20.7	20.5	22.1	24.1	24.9	25.7	26.3	26.2	27.1	29.0
	179	23.2	21.8	22.5	24.2	24.6	25.0	26.2	26.8	27.4	27.1
	180	22.6	23.1	24.3	26.0	25.3	25.2	27.1	27.6	27.6	27.7
NT120F	271	21.3	20.2	20.5	19.1	18.7	18.2	22.6	24.1	24.4	24.4
	272	24.5	21.0	21.1	20.3	20.3	20.9	24.0	25.3	26.1	26.3
	273	23.1	22.1	23.3	22.6	22.0	21.0	24.4	25.8	26.6	26.4
	274	23.5	21.8	23.0	21.2	21.4	20.6	24.6	26.0	26.7	27.1
	275	23.6	23.9	24.2	21.3	24.9	25.8	25.1	26.4	28.5	27.6
	276	22.6	21.6	22.0	19.1	22.7	24.0	23.7	24.5	24.6	24.6
	277	22.2	23.0	22.6	20.3	23.8	26.1	24.4	25.9	25.6	26.4
	278	21.1	21.5	20.8	18.7	22.7	24.5	23.6	25.3	24.5	25.2
	279	23.0	22.1	22.7	22.4	24.0	24.7	24.6	24.7	24.7	24.3
	280	24.2	25.6	25.1	27.6	27.8	28.1	29.3	30.1	28.9	29.2
B6F	371	23.7	23.1	23.0	25.1	25.3	26.5	26.4	28.2	28.8	29.3
	372	22.4	22.4	21.9	23.1	23.4	24.0	23.5	24.8	25.0	26.9
	373	23.2	24.6	24.8	26.5	27.2	31.0	28.4	32.2	32.8	34.2
	374	24.6	23.9	23.6	25.1	25.6	27.2	27.7	27.2	28.0	28.1
	375	21.8	21.9	22.3	23.0	23.7	23.8	24.4	24.2	24.9	24.9
	376	20.9	20.6	21.9	23.5	24.4	24.1	23.2	24.9	24.9	25.2
	377	22.0	22.8	23.4	23.3	23.6	23.3	24.3	23.8	24.7	24.3
	378	23.4	23.1	24.3	24.2	25.5	26.0	25.4	26.0	26.4	27.1

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
B6F	379	23.0	23.9	23.3	27.4	26.7	27.7	26.5	30.9	28.2	30.5
	380	24.0	23.3	24.4	25.2	27.3	26.9	29.5	29.0	29.0	27.8
B60F	471	22.2	21.0	22.0	23.4	23.2	23.3	23.6	23.4	22.9	24.4
	472	23.6	23.6	23.4	24.8	25.8	25.9	25.8	25.9	27.8	26.3
	473	22.8	23.4	24.0	25.1	26.1	26.5	27.5	27.6	28.5	29.5
	474	24.2	24.0	24.3	25.7	26.1	26.9	26.3	26.2	27.0	27.7
	475	23.1	22.7	23.8	23.3	24.0	25.9	27.0	25.8	26.0	25.8
	476	21.3	21.8	21.9	22.5	22.8	24.5	23.8	23.8	24.0	24.5
	477	24.5	24.6	24.4	24.9	25.2	26.0	25.2	25.8	25.0	25.9
	478	23.4	22.0	22.8	26.3	23.9	25.9	27.2	25.3	28.1	25.0
	479	21.1	21.3	22.2	22.1	24.5	26.8	28.1	26.8	25.8	27.6
	480	22.7	22.1	23.2	24.0	24.9	27.0	26.7	27.1	29.2	27.4
B120F	571	21.9	21.9	22.0	23.3						
	572	24.5	23.8	23.7	26.0	25.4	25.8	26.4	25.3	26.2	25.6
	573	21.6	21.5	21.1	22.7						
	574	22.9	21.3	22.6	23.1	23.9	24.0	24.8	24.0	24.8	24.7
	575	23.4	22.9	23.7	23.9						
	576	23.5	24.2	23.2	23.9	24.1	24.2	23.5	24.2	24.3	25.4
	577	24.2	23.5	23.2	24.0	25.0	24.9	25.2	25.0	25.7	26.4
	578	23.2	23.0	23.7	25.3	25.7	25.4	25.7	25.5	25.7	26.1
	579	20.7	20.6	21.1	21.9	22.7	25.0	24.0	24.6	24.0	24.8
	580	22.3	23.5	23.0	24.2	23.5	26.1	24.9	25.4	29.8	25.4
E6F	671	24.6	24.3	26.3	26.3	28.8	29.3	31.3	30.5	30.0	31.6
	672	21.0	20.2	21.6	21.5	23.3	23.6	24.7	23.7	24.6	23.9
	673	21.4	21.3	22.8	22.2	24.2	26.0	26.3	26.6	28.2	28.3
	674	23.8	22.7	24.1	24.1	26.2	27.2	28.1	26.6	27.7	27.3
	675	24.5	23.1	25.3	25.4	27.4	28.0	29.7	30.1	30.3	29.9
	676	21.9	21.2	22.1	22.7	22.5	22.5	23.5	23.0	23.4	24.0

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
E6F	677	22.4	21.5	23.5	23.4	23.9	24.6	24.1	23.3	24.6	24.5
	678	23.2	21.3	23.6	23.6	24.5	24.7	24.9	25.2	26.1	26.5
	679	22.8	22.8	23.3	25.5	28.3	29.4	31.3	32.1	29.5	34.7
	680	23.4	24.4	24.6	26.3	25.5	26.9	29.6	26.4	28.2	32.1
E60F	771	23.4	22.9	23.8	24.1	23.2	25.2	26.2	26.3	26.4	26.8
	772	24.0	23.4	24.7	25.5	24.2	26.8	27.0	27.4	27.4	27.7
	773	22.9	22.6	23.1	23.6	21.9	24.7	25.8	24.5	24.9	25.7
	774	20.9	21.3	21.8	22.7	22.0	24.7	24.9	24.3	24.9	25.8
	775	23.3	22.6	23.0	22.8	24.2	24.5	26.9	24.9	25.5	26.0
	776	23.6	23.4	23.5	23.1	24.2	24.4	25.1	24.8	25.1	25.4
	777	21.8	22.0	22.2	21.4	22.4	22.9	24.9	23.5	24.4	24.3
	778	24.5	24.2	24.6	24.3	25.4	24.5	27.0	25.9	26.7	26.2
	779	22.3	21.3	24.4	24.4	28.9	25.9	25.7	26.0	25.6	26.5
	780	22.7	24.9	25.4	25.0	26.4	23.8	28.7	30.8	33.4	31.3
E120F	871	24.1	23.5	22.9	25.5	26.1	25.7	25.4	25.5	26.0	27.2
	872	20.8	20.2	20.8	22.3	23.2	24.0	24.1	24.9	25.4	28.9
	873	22.2	21.3	20.6	23.3	24.1	24.5	24.1	24.7	24.6	27.5
	874	23.1	22.5	23.2	23.8	25.6	25.1	26.1	25.4	26.0	27.5
	875	21.5	20.6	21.2	22.5	22.0	24.3	23.2	24.6	21.7	25.5
	876	23.3	23.5	23.5	24.2	23.5	24.3	24.0	24.5	23.0	24.5
	877	22.7	23.0	22.1	23.7	22.2	23.1	23.2	23.7	21.8	24.0
	878	23.6	22.8	22.2	25.3	24.4	25.8	26.3	26.0	24.9	28.8
	879	24.6	23.4	25.2	26.1	26.6	28.1	28.1	27.7	28.4	28.4
	880	22.9	22.4	22.9	24.7	26.9	25.7	25.0	27.2	26.6	26.3

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

Group	Animal	Day				
	ID	63	70	77	84	91
CF	171	30.2	30.4	32.4	30.0	32.2
	172	27.5	27.2	27.2	27.2	28.6
	173	31.4	32.7	32.6	31.2	34.3
	174	32.1	31.1	31.7	31.2	32.3
	175	31.0	29.8	33.3	33.4	33.8
	176	30.6	32.9	31.6	32.0	33.5
	177	26.3	26.6	27.3	28.6	27.1
	178	28.6	28.3	28.5	29.5	30.6
	179	28.3	29.4	29.6	28.8	30.3
	180	28.3	28.9	28.2	27.9	28.4
NT120F	271	26.1	25.9	24.9	25.5	26.2
	272	25.6	27.0	27.3	28.3	29.7
	273	25.7	27.0	26.5	29.1	26.9
	274	28.1	27.7	28.7	28.5	28.1
	275	27.4	27.5	27.9	30.5	28.4
	276	25.8	25.2	25.4	25.9	26.7
	277	27.4	28.7	28.6	27.3	26.8
	278	27.6	26.6	26.7	26.7	26.9
	279	25.1	25.4	24.9	25.2	26.4
	280	29.8	30.2	30.5	30.0	29.7
B6F	371	31.3	29.8	29.8	31.4	31.4
	372	26.2	25.0	26.5	27.7	26.4
	373	32.7	33.5	36.3	35.2	35.0
	374	29.6	28.7	28.1	29.3	30.0
	375	25.1	25.2	25.0	26.1	26.4
	376	25.2	26.4	25.3	26.3	25.7
	377	26.9	25.0	24.9	25.7	25.7
	378	27.5	28.4	30.3	29.2	30.2

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

Group	Animal	Day				
	ID	63	70	77	84	91
B6F	379	30.2	32.1	29.8	34.1	33.1
	380	28.9	30.8	31.1	29.1	29.8
B60F	471	25.2	24.9	24.0	25.1	25.4
	472	27.4	26.8	28.4	27.5	28.2
	473	29.8	30.4	30.8	30.0	30.5
	474	28.0	27.9	28.2	28.3	31.4
	475	28.1	27.3	26.8	26.6	26.5
	476	24.9	26.6	26.6	25.6	25.9
	477	27.8	27.0	26.5	25.4	26.8
	478	26.2	26.3	26.1	27.2	29.2
	479	30.7	28.0	30.6	28.3	28.9
	480	27.7	28.2	27.9	27.6	29.3
B120F	571					
	572	25.2	27.1	28.1	27.3	26.5
	573					
	574					
	575					
	576	24.5	26.1	25.0	24.8	25.6
	577	28.0	28.1	27.2	26.0	27.9
	578	26.4	27.0	26.6	26.2	27.2
	579	24.6	25.3	25.0	25.1	26.5
	580	27.9	27.9	28.1	24.6	26.9
E6F	671	31.8	31.3	29.9	31.7	33.0
	672	24.2	25.6	24.0	25.0	26.9
	673	32.9	31.9	30.1	32.6	34.2
	674	28.5	28.7	26.8	29.1	30.1
	675	30.9	31.8	29.5	33.0	31.0
	676	23.8	24.0	23.0	25.1	23.9

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

Group	Animal	Day				
	ID	63	70	77	84	91
E6F	677	24.6	25.0	23.9	26.6	26.3
	678	26.2	26.7	26.2	27.4	26.7
	679	33.7	30.7	33.2	30.9	30.8
	680	27.3	32.8	28.6	32.0	30.5
E60F	771	29.2	27.5	28.3	28.3	28.0
	772	28.6	30.0	30.6	29.3	29.1
	773	27.6	26.4	26.2	27.7	27.3
	774	26.7	26.3	25.9	26.5	26.4
	775	28.7	26.6	26.4	26.2	29.2
	776	28.9	26.7	25.2	25.7	26.5
	777	27.9	27.8	25.3	25.3	25.9
	778	27.3	27.5	27.4	26.1	27.5
	779	26.7	27.4	27.0	26.1	26.2
	780	32.2	32.0	33.2	35.4	32.3
E120F	871	26.7	29.5	27.5	25.7	29.8
	872	26.1	26.2	28.8	27.9	31.3
	873	26.5	25.8	26.5	25.8	30.3
	874	26.5	29.3	27.9	28.0	31.4
	875	25.4	24.8	25.3	25.2	25.3
	876	25.7	26.4	25.9	26.5	26.2
	877	25.4	25.5	26.6	25.0	25.3
	878	27.3	30.2	26.9	27.0	27.8
	879	28.5	28.4	28.2	28.4	29.3
	880	27.2	26.9	27.3	27.4	27.3

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	5.2	4.7	4.6	4.7	4.7	4.8	2.9	5.2		4.5
	102	5.1	4.6	5.0	4.5	5.4	5.5	5.3	5.9	5.5	5.5
	103	5.0	4.5	5.1	5.7	5.7	4.7	6.1	6.1	6.0	6.1
	104	5.9	4.8	5.2	5.2	5.7		4.4	6.3	5.0	5.8
	105	4.9	4.8	3.7	5.3	3.8	4.8	5.0	5.2	5.1	4.9
	106	5.3	4.6	5.6	5.7	6.0	6.0	5.9	5.8	6.4	6.1
	107	5.4	5.4	4.8	5.7	5.8	6.9	6.4	6.2	6.2	6.0
	108	4.7	5.3	5.1	5.9	5.8	5.6	6.1	6.1	5.9	
	109	5.0	4.8	5.2	4.7	5.2	4.1	5.1	6.0	4.4	4.2
	110	3.8	4.1	3.9	4.6	4.9	4.8	5.0	5.7	4.8	4.3
	111	4.8	5.2	4.8	4.9	4.8	5.4	5.3	5.5	5.4	5.0
	112	5.1	5.1	4.5	5.4	5.4	4.5	5.6	5.2	4.8	4.9
	113	5.8	5.4	5.4	5.7	5.9	5.8	5.9	5.8	5.7	5.5
	114	5.1	4.3	4.7	5.6	4.4		5.6	5.9	5.6	5.3
	115	5.4	5.4	5.2	5.8	5.5	5.3	5.6	5.5	7.3	
	116	4.5	4.9	4.7	5.3	4.6	5.5	5.1	5.0	5.1	4.1
	117	4.5	4.8	4.3	4.4	5.2	4.3	5.6	4.5	5.4	
	118	4.8	5.3	5.2	5.3	5.8	5.0	5.7	5.8	5.9	5.6
	119	4.8	4.5	4.2	5.2	5.0	5.1	5.1	5.1	5.2	5.1
	120	5.3	5.1	5.2	5.4	5.5	5.4	5.1	5.2	5.4	5.3
NT120M	201	3.6	4.3	4.0	4.8	4.1	4.0	4.7	5.0	4.8	4.9
	202	3.0	4.1	4.9	5.9	4.8		5.4	6.1	5.7	5.0
	203	2.2	3.8	3.4	4.0	3.5	3.9	4.2	4.4	4.7	4.4
	204	3.2	4.2	4.4	4.7	4.1	4.2	4.2	3.8	4.8	4.3
	205	3.2	3.8	3.5	4.1	4.2	3.5	4.0	4.4	4.2	4.4
	206	4.2	4.5	4.2	4.7	4.3	4.4	4.5	4.9	5.1	4.3
	207	1.1	4.3	4.3	4.7	4.9	5.0	4.4	5.0	4.8	4.7
	208	2.8	3.7	4.4	5.0	4.1	4.1	4.1	4.4	4.9	4.3

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
NT120M	209	2.7	3.8	3.6	3.3	3.8		4.3	4.7	4.4	3.9
	210	2.4	3.4	3.5	4.0	3.2	3.8	4.0	4.0	4.1	3.7
	211	5.4	4.4	4.6	5.7	4.4	4.7	4.0	5.0	5.1	4.5
	212	3.4	3.7	3.9	4.1	4.3	4.1	4.4	4.8	4.9	4.4
	213	3.5	3.7	3.4	3.7	3.7	3.9	4.1	4.3	3.9	4.0
	214	3.1	3.7	3.4	3.9	3.8	4.0	4.2	4.2	4.1	
	215	3.0	3.9	3.8	4.1	3.8	4.2	4.0	4.4	4.1	4.3
	216	3.8	3.6	3.7	3.7	4.0	3.6	4.1	4.0	4.1	3.3
	217	2.6	3.4	3.7	4.1	3.7	4.1	4.1	4.0	3.7	4.1
	218	4.1	3.7	4.3	4.2	5.0	4.6	5.4	5.2	4.8	5.2
	219	2.7	3.0	3.1	3.0	3.2	3.0	3.4	3.9	3.8	3.5
	220	2.5	3.5	3.8	4.0	3.7	3.6	3.9	3.9	4.2	4.0
B6M	301	4.5	5.3	5.3	5.4	5.4	5.3	5.7	5.7	4.9	5.1
	302	5.4	5.6	5.7	5.8	5.5	5.6	5.4	5.2	5.4	5.5
	303	5.4	5.3	5.1	6.1	6.0	5.9	5.4	6.1	5.8	5.9
	304	4.9	5.5	5.1	5.0	5.2	5.4	5.3	5.3	4.0	5.8
	305	5.2	5.4	5.2	4.9	5.9	5.3	4.7	5.6	4.6	4.8
	306	5.4	5.2	4.4	5.2	5.2	5.4	5.2	5.1	5.5	4.8
	307	6.0	6.1	5.2	6.4	5.6	6.0	6.1	6.1	5.8	5.0
	308	5.9	4.4	4.6	4.9	5.8	5.7	6.0	6.2	5.9	4.4
	309	5.2	5.4	5.0	5.3	5.3	5.1	5.6	5.2	5.0	5.2
	310	4.8	3.9	4.8	5.7	4.6	3.6	5.2	4.4	4.4	3.9
	311	4.2	5.3	3.9	5.0	4.9	4.8	4.8	5.3	4.8	4.8
	312	5.5	5.0	5.2	5.4	5.2	4.9	5.0	5.7	5.2	4.9
	313	5.6	6.2	6.4	5.9	5.8	5.6	5.8	5.8	5.8	5.9
	314	5.7	5.7	5.2	5.9	4.9	5.3	5.5	5.3	5.1	4.0
	315	5.5	5.6	5.4	5.5	5.4	4.8	5.4	5.3	5.3	5.1
	316	4.8	5.0	5.0	5.3	5.3	4.1	5.1	5.4	5.2	4.9

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	317	6.1	4.3	4.6	5.3	5.6	4.9	4.8	4.4	3.7	5.0
	318	4.7	5.3	4.6	5.4	4.4	5.3	5.3	5.5	4.5	5.1
	319	4.9	5.0	5.1	5.4	5.2	2.1	5.4	5.1	4.8	5.1
	320	5.3	5.4	4.2	5.6	5.0	5.7	5.2	5.5	5.8	4.2
B60M	401	6.1	4.4	5.2	5.4	5.3	5.5	4.9	5.3	5.0	
	402	3.8	4.6	3.3	4.4	3.4	4.0	4.1	4.4	4.1	3.9
	403	5.3	4.9	5.1	5.5	5.4	6.1	6.3	5.8	5.7	5.6
	404	4.1	3.8	4.4	4.3	4.5		4.3	4.5	4.7	3.4
	405	4.1	5.2	5.3	5.8	5.2	4.0	5.3	5.5	5.0	4.9
	406	2.9	5.0	4.0	4.9	6.2	4.8	4.6	4.8	4.0	4.4
	407	4.4	4.4	4.2	5.5	4.9	5.2	5.4	5.6	5.7	5.2
	408	4.0	5.1	4.9	5.1	5.2	5.4	5.2	5.8	5.3	4.3
	409	2.9	3.6	3.2	4.2	3.6	3.7	3.9	4.6	4.5	3.9
	410	4.7	5.5	5.0	5.5	4.8	5.3	5.4	5.6	5.2	3.9
	411	3.6	4.5	4.8	5.0	4.4	4.9	4.9	4.9	5.0	4.5
	412	4.3	4.8	4.9	5.1	4.8	4.4	6.1	4.5	4.4	4.8
	413	3.4	4.1	4.2	4.3	3.8	4.2	4.1	4.6	4.6	4.1
	414	3.8	3.7	4.3	4.5	4.1	4.6	4.5	4.6	4.8	4.3
	415	3.9	4.8	4.7	4.8	4.7	4.6	4.9	5.2	4.5	4.7
	416	4.5	4.9	4.9	5.8	5.4	5.8	5.8	5.7	5.9	5.5
	417	4.1	4.5	4.3	4.8	4.8	4.3	5.0	4.9	3.9	4.6
	418	3.5	4.2	3.4	4.5	4.1	4.7	4.4	3.9	3.1	4.4
	419	5.0	5.6	5.3	5.4	5.9	5.8	5.5	6.1	6.0	6.1
	420	4.6	3.2	4.8	4.9	4.9	5.1	4.1	5.3	5.3	4.9
B120M	501	2.9	4.6	4.6	4.3	4.4	4.5	5.0	5.0	4.8	4.1
	502	2.5	3.4	3.6	3.9	3.7	2.9	3.9	4.3	4.2	4.1
	503	2.7	4.0	3.8	4.1	4.1	4.4	4.5	4.8	4.6	4.2
	504	2.9	3.5	3.5	4.3	3.8	3.9	4.1	4.0	4.5	3.6

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
B120M	505	2.7	3.8	4.3	4.8	4.8	4.3	4.7	4.8	4.2	4.8
	506	3.7	5.0	4.3	4.9	4.9	5.6	5.1	5.1	5.4	4.8
	507	3.8	5.2	5.2	5.9	5.4	5.5	5.5		6.2	6.3
	508	2.7	3.5	3.3	3.8	3.7	3.7	3.8	3.7	3.6	4.1
	509	3.5	4.1	3.8	5.4	4.8	4.8	5.3	4.8	4.1	4.3
	510	2.1	3.7	3.5	3.9	3.9	4.2	3.9	4.2	4.2	4.2
	511	5.8	3.7	3.8	4.2	3.7	3.7	4.1			4.1
	512	2.2	3.3	4.2	4.5	4.4	4.3	4.2	4.4	4.0	4.6
	513	4.5	4.8	4.5	4.5	5.1	4.7	4.6	4.8	4.4	4.8
	514	3.0	3.3	3.9	4.1	3.9	4.6	4.3	4.4	4.2	4.6
	515	2.4	3.8	3.9	5.5	4.9	4.8	4.7	5.2	3.8	4.6
	516	3.1	4.4	3.7	4.2	5.0	4.1	3.7	4.6	4.1	5.2
	517	4.1	4.0	4.2	4.8	4.6	5.1	4.3	4.4	4.2	4.4
	518	2.8	3.6	4.8	4.6	4.4	4.7	4.5	4.7	4.4	4.5
	519	4.5	3.6	3.8	4.1	3.9	4.5	3.7	4.2	3.9	4.4
	520	2.6	3.3	4.1	4.2	4.5	4.6	4.2	4.1	3.8	4.2
E6M	601	5.0	5.7	5.6	5.2	6.3	5.0	5.9	5.5	5.4	4.6
	602	6.0	6.1	5.2	6.4	5.8	6.0	6.0	6.0	5.8	5.6
	603	5.0	5.9	5.0	6.0	5.3	5.6	5.9	5.5	5.5	4.9
	604	5.5	5.8	4.9	5.4	5.0	5.0	5.0	5.5	5.3	4.7
	605	5.2	5.3	4.7	3.8	4.5	4.5	4.4	4.2	4.7	4.4
	606	5.4	3.7	6.1	4.8	4.7	4.7	5.0	5.0	4.8	4.8
	607	4.8	5.6	5.6	5.8	5.6	6.0	5.9	5.8	5.7	5.4
	608	6.2	5.6	4.7	6.6	6.0	5.2	6.3	6.1	5.9	3.7
	609	5.6	5.7	5.0	6.1	5.5	5.7	5.3	5.0	5.4	4.8
	610	5.5	5.6	4.7	5.8	5.4	5.3	5.9	5.7	5.7	4.7
	611	6.1	5.6	5.5	5.8	4.6	5.2	5.0	5.4	5.8	5.3
	612	5.4	5.6	4.9	5.4	5.4	4.6	4.2	7.1	5.5	5.4

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
E6M	613	6.0	6.0	5.7	6.0	5.6	5.3	5.4	5.8	5.5	5.3
	614	6.2	6.4	6.1		5.1	5.8	5.6	5.8	5.7	4.7
	615	6.2	6.8	6.5	6.2	6.4	6.5	6.4	6.0	6.2	6.3
	616	5.3	5.2	4.8	5.5	5.1	4.5	5.1	4.7	4.9	4.8
	617	6.0	5.4	4.7	5.1	5.3	5.4	5.7	5.7	5.3	5.1
	618	6.6	6.4	6.4	6.2	6.5	6.3	6.6	6.8	6.5	5.7
	619	5.5	5.9	5.8	5.3	4.8	5.2	5.3	5.5	4.8	5.9
	620	6.3	6.1	5.7	6.6	5.0	4.8	5.8	5.8	5.8	4.9
E60M	701	4.1	4.8	5.1	7.8	4.5	4.5	5.2	5.2	4.9	5.1
	702	4.3	4.9	4.9	4.7	4.3	4.5	4.7	5.0	4.2	4.8
	703	5.0	5.4	3.8	5.6	5.8	6.3	5.9	5.8	6.1	
	704	4.8	5.6	4.8	5.3	5.2	5.5	5.3	5.5	5.7	4.8
	705	4.3	4.4	4.3	4.6	4.6	5.2	4.9	5.3	4.1	5.6
	706	4.6	6.1	5.6	6.1	5.6	5.3	6.1	5.7	5.5	5.6
	707	3.9	4.9	4.5	5.1	5.0	4.1	6.0	5.4	4.8	5.0
	708	3.2	4.4	4.3	4.8	4.3	3.6	4.2	5.0	4.5	4.3
	709	3.3	4.3	4.4	4.3	3.9	4.4	4.1	4.4	4.2	
	710	5.2	5.2	5.7	5.5	5.4	5.7	5.1	5.3	5.2	5.2
	711	4.4	5.4	3.7	6.0	5.0	5.5	5.2	5.6	5.1	5.0
	712	4.4	5.0	4.7	5.4	4.6	4.9	4.7	5.2	4.7	4.2
	713	1.6	5.1	5.1	5.8	5.4	5.7	6.0	6.0	5.7	5.7
	714	6.5	5.4	5.8	5.8	5.0	4.9	5.3	4.5	4.9	
	715	4.1	5.8	5.1	5.7	4.7	5.3	5.0	5.1	4.3	4.7
	716	4.5	4.6	5.3	5.7	4.9	4.4	5.1		3.9	4.9
	717	4.1	5.0	5.1	5.0	5.1	4.8	4.6	4.7	4.5	4.4
	718	5.2	4.5	4.2	4.4	3.7	3.9	4.1	4.1	4.1	3.6
	719	4.1	5.0	5.1	5.2	4.6	4.9	4.7	5.1	3.9	4.6
	720	4.7	5.4	3.8	6.2	3.2	5.5	4.7	5.3	4.7	5.0

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
E120M	801	4.1	5.6	5.4	5.5	4.6	4.8	4.8	4.9	4.9	4.7
	802	3.9	4.6	4.7	4.7	4.5	5.0	4.7	4.8	4.6	4.3
	803	3.1	4.0	4.3	4.4	4.5	4.7	4.7	4.3	5.1	4.4
	804	3.2	4.5	4.6	4.8	4.5	4.6	4.5	4.4	4.8	4.5
	805	6.6			4.3		3.5		4.4	4.3	4.8
	806	2.7	4.8	4.2	4.3	4.2	3.7	4.7	5.4	4.4	5.2
	807	3.2	4.9	3.6	4.7	4.3	4.6	4.6	4.9	4.6	4.7
	808	3.3	4.2	4.4	4.2	3.8	3.8	4.1	3.8	4.2	3.8
	809	3.3	4.2	3.5	4.1	4.1	4.2	4.1	4.2	4.3	4.2
	810	4.5	5.1	5.3	5.8	5.5	4.5	6.3	6.3	5.7	5.6
	811	3.9	4.4	4.2	4.5	4.5	4.4	4.7	4.3	4.5	4.7
	812	4.1	4.4	4.3	4.3	3.9	4.2	4.6	4.0	4.1	4.6
	813	2.9	4.4	4.3	4.4	3.4	3.8	3.8	3.7	3.7	3.7
	814	3.3	4.4	4.8	4.7	4.7	5.3	5.0	4.1	4.8	5.0
	815	3.7	4.7	4.5	5.0	4.4	4.6	4.6	4.4	4.6	4.6
	816	2.6	4.4	4.6	4.7	4.5	4.6	4.8	4.5	4.8	4.4
	817	3.6	3.7	3.9	4.4	4.1	4.4	4.6	4.8	4.2	4.8
	818	4.0	3.8	4.6	4.6	4.3	4.8	5.0	4.8	4.7	4.0
	819	3.2	4.4	4.5	4.7	4.2	4.2	4.4	4.2	4.3	4.5
	820	4.0	4.7	4.5	5.0	5.5	4.4	4.3	5.3	6.4	6.6

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

Group	Animal	Day		
	ID	77	84	91
CM	101	4.4	3.6	5.0
	102	4.6	5.7	4.7
	103	5.6	5.8	5.7
	104	5.7	5.6	5.3
	105	5.0	4.8	4.6
	106	6.0	5.3	5.7
	107	5.9	6.1	5.9
	108	5.8	6.1	5.9
	109	3.3	4.7	5.4
	110	4.5	4.8	3.5
	111	5.5	3.6	5.9
	112	4.4	4.6	4.6
	113	5.8	5.4	5.2
	114	4.0	5.4	4.8
	115	5.3	5.1	5.9
	116	4.6	4.5	4.8
	117	4.6	3.7	4.6
	118	5.5	5.1	4.7
	119	5.0	5.3	3.9
	120	4.8	5.3	6.2
NT120M	201		3.7	3.9
	202	5.6	5.6	4.9
	203	4.3	4.2	3.7
	204	4.4	4.2	4.4
	205	4.2	3.8	4.0
	206	4.2	4.7	4.2
	207	4.6	4.6	4.6
	208	3.9	4.2	4.1

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

Group	Animal	Day		
	ID	77	84	91
NT120M	209	4.6	4.3	4.3
	210	3.8	3.8	3.3
	211	4.4	5.0	5.1
	212	4.5	4.6	4.8
	213	4.1	4.3	4.0
	214	3.9	4.3	3.8
	215	4.1	4.1	3.9
	216	4.5	4.2	4.1
	217	3.9	4.0	3.8
	218	4.7	4.8	4.6
	219	3.5	3.6	3.3
	220	3.9	3.9	
B6M	301	4.7	6.3	5.1
	302	5.3	5.5	5.2
	303	5.6	5.5	5.8
	304	5.4	5.2	5.6
	305	5.0	5.3	4.9
	306	5.3	5.0	5.3
	307	5.8	5.9	5.6
	308	6.0	4.7	6.4
	309	3.7	4.9	5.1
	310	4.4	4.6	4.5
	311	4.4	4.5	4.8
	312	5.5	3.9	5.3
	313	5.5	5.3	6.5
	314	5.9	4.5	5.7
	315	4.9	5.0	4.9
	316	5.4	5.2	5.1

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

Group	Animal	Day		
	ID	77	84	91
B6M	317	4.4	5.2	4.8
	318	4.8	4.7	5.0
	319	5.5	4.8	5.2
	320	5.6	5.9	5.7
B60M	401	4.1	5.6	
	402	3.8	4.3	3.6
	403	4.5	5.8	4.9
	404	4.4	4.4	4.3
	405	5.2	5.4	5.1
	406	4.7	4.5	4.9
	407	4.9	5.3	4.5
	408	5.3	4.8	4.9
	409	3.7	4.5	4.0
	410	5.0	5.8	5.0
	411	4.6	4.6	4.3
	412	4.6	4.4	3.8
	413	4.1	4.2	4.3
	414	4.4	4.5	4.4
	415	4.1	4.6	4.5
	416	5.7	5.9	5.3
	417	4.4	4.3	4.2
	418	4.1	4.3	5.6
	419	5.8	5.9	5.2
	420	4.9	5.2	4.9
B120M	501	4.7	4.8	4.7
	502	4.0	4.8	4.8
	503	4.6	4.5	4.2
	504	3.9	4.1	4.0

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

Group	Animal	Day		
	ID	77	84	91
B120M	505	4.9	5.3	7.0
	506	5.3	5.2	5.6
	507	6.2	7.2	7.5
	508	3.1	3.8	3.9
	509	4.4	4.7	4.4
	510	3.7	4.3	4.2
	511	3.2	4.1	4.6
	512	4.5	4.6	4.5
	513	4.8	4.6	5.0
	514	4.6	4.4	3.7
	515	3.8	4.9	4.4
	516	5.6	4.6	4.6
	517	4.8	4.7	4.4
	518	4.0	4.7	4.4
	519	4.2	4.2	4.3
	520	4.2	4.0	4.3
E6M	601	5.1	5.8	5.4
	602	4.6	5.8	5.4
	603	4.8	6.3	5.1
	604	4.6	5.0	5.2
	605	4.6	3.9	4.4
	606	5.3	5.4	5.4
	607	5.0	5.3	
	608	6.4	6.1	5.6
	609	4.6	5.7	4.9
	610		5.4	5.2
	611	5.8	5.3	4.6
	612	6.3	4.2	6.2

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

Group	Animal	Day		
	ID	77	84	91
E6M	613	5.3	5.7	5.1
	614	4.7	4.8	
	615	5.8	6.7	5.5
	616	4.7	4.5	4.0
	617	5.5	5.4	5.3
	618	5.2	7.5	5.9
	619	5.3	5.4	5.5
	620	6.1	5.8	6.0
E60M	701	4.8	5.1	4.6
	702	4.1	4.7	4.2
	703	5.8	5.3	5.1
	704	5.6	5.4	4.8
	705	5.0	4.6	5.8
	706	5.6	4.8	4.9
	707	5.4	5.3	4.8
	708	4.8	4.7	4.8
	709	3.8	4.5	4.2
	710	5.1	5.2	5.0
	711	6.8	5.5	5.0
	712	4.5	4.9	
	713	5.0	6.1	5.2
	714	5.4	5.3	4.4
	715	5.4	5.1	4.4
	716	4.3	5.0	4.7
	717	4.4	4.8	4.2
	718	3.6	4.1	3.9
	719	4.1	4.4	4.6
	720	5.4	4.1	5.3

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

Group	Animal	Day		
	ID	77	84	91
E120M	801	4.6	4.5	4.6
	802	4.5	4.4	4.1
	803	4.3	4.4	3.5
	804	4.8	4.9	4.5
	805	4.7	4.8	4.4
	806	4.5	4.8	4.5
	807	4.6	4.4	4.2
	808	4.1	4.1	3.0
	809		4.0	4.2
	810	5.6	5.8	4.5
	811	4.4	4.4	4.6
	812	4.4	4.4	4.1
	813	4.3	4.3	4.0
	814	5.0	4.5	4.5
	815	4.0	4.3	4.1
	816	4.6	4.3	3.2
	817	4.9	4.8	4.6
	818	4.6		3.8
	819	4.6	4.4	3.7
	820	7.0		5.7

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	4.0	3.9	3.6	4.3	3.9	3.2	4.5	6.1	4.3	4.0
	152	4.0	3.9	3.6	4.3	3.9	3.2	4.5	6.1	4.3	4.0
	153	4.0	3.9	3.6	4.3	3.9	3.2	4.5	6.1	4.3	4.0
	154	4.0	3.9	3.6	4.3	3.9	3.2	4.5	6.1	4.3	4.0
	155	4.0	3.9	3.9	3.8	4.0	4.0	4.3	4.6	4.4	3.9
	156	4.0	3.9	3.9	3.8	4.0	4.0	4.3	4.6	4.4	3.9
	157	4.0	3.9	3.9	3.8	4.0	4.0	4.3	4.6	4.4	3.9
	158	4.0	3.9	3.9	3.8	4.0	4.0	4.3	4.6	4.4	3.9
	159	3.9	4.3	3.6	4.8	4.2	4.1	4.8	4.0	4.3	4.8
	160	3.9	4.3	3.6	4.8	4.2	4.1	4.8	4.0	4.3	4.8
	161	3.9	4.3	3.6	4.8	4.2	4.1	4.8	4.0	4.3	4.8
	162	3.9	4.3	3.6	4.8	4.2	4.1	4.8	4.0	4.3	4.8
	163	3.9	4.2	3.9	4.0	4.0	4.7	4.4	4.5	4.4	4.1
	164	3.9	4.2	3.9	4.0	4.0	4.7	4.4	4.5	4.4	4.1
	165	3.9	4.2	3.9	4.0	4.0	4.7	4.4	4.5	4.4	4.1
	166	3.9	4.2	3.9	4.0	4.0	4.7	4.4	4.5	4.4	4.1
	167	3.8	4.1	3.7	3.7	4.3	3.7	4.1	4.2	4.3	4.2
	168	3.8	4.1	3.7	3.7	4.3	3.7	4.1	4.2	4.3	4.2
	169	3.8	4.1	3.7	3.7	4.3	3.7	4.1	4.2	4.3	4.2
	170	3.8	4.1	3.7	3.7	4.3	3.7	4.1	4.2	4.3	4.2
NT120F	251	2.7	3.4	3.3	3.6	3.3	2.8	3.2	3.6	3.3	3.6
	252	2.7	3.4	3.3	3.6	3.3	2.8	3.2	3.6	3.3	3.6
	253	2.7	3.4	3.3	3.6	3.3	2.8	3.2	3.6	3.3	3.6
	254	2.7	3.4	3.3	3.6	3.3	2.8	3.2	3.6	3.3	3.6
	255	3.0	3.8	3.4	3.7	3.5	4.2	3.6	4.0	3.7	3.8
	256	3.0	3.8	3.4	3.7	3.5	4.2	3.6	4.0	3.7	3.8
	257	3.0	3.8	3.4	3.7	3.5	4.2	3.6	4.0	3.7	3.8
	258	3.0	3.8	3.4	3.7	3.5	4.2	3.6	4.0	3.7	3.8

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
NT120F	259	2.3	3.4	2.5	3.4	2.5	3.4		3.0	3.4	3.6
	260	2.3	3.4	2.5	3.4	2.5	3.4		3.0	3.4	3.6
	261	2.3	3.4	2.5	3.4	2.5	3.4		3.0	3.4	3.6
	262	2.3	3.4	2.5	3.4	2.5	3.4		3.0	3.4	3.6
	263	2.8	3.6	3.6	3.2	3.7	3.4	3.5	3.6	3.6	3.8
	264	2.8	3.6	3.6	3.2	3.7	3.4	3.5	3.6	3.6	3.8
	265	2.8	3.6	3.6	3.2	3.7	3.4	3.5	3.6	3.6	3.8
	266	2.8	3.6	3.6	3.2	3.7	3.4	3.5	3.6	3.6	3.8
	267	3.3	3.2	3.1	5.3	3.8	3.2	3.7	3.9	3.1	3.6
	268	3.3	3.2	3.1	5.3	3.8	3.2	3.7	3.9	3.1	3.6
	269	3.3	3.2	3.1	5.3	3.8	3.2	3.7	3.9	3.1	3.6
B6F	270	3.3	3.2	3.1	5.3	3.8	3.2	3.7	3.9	3.1	3.6
	351	3.9	3.8	3.0	3.7	3.3	3.4	3.9	3.7	3.9	3.5
	352	3.9	3.8	3.0	3.7	3.3	3.4	3.9	3.7	3.9	3.5
	353	3.9	3.8	3.0	3.7	3.3	3.4	3.9	3.7	3.9	3.5
	354	3.9	3.8	3.0	3.7	3.3	3.4	3.9	3.7	3.9	3.5
	355	3.5	3.7	4.0	4.2	3.3	3.6	4.1	3.3	3.1	3.9
	356	3.5	3.7	4.0	4.2	3.3	3.6	4.1	3.3	3.1	3.9
	357	3.5	3.7	4.0	4.2	3.3	3.6	4.1	3.3	3.1	3.9
	358	3.5	3.7	4.0	4.2	3.3	3.6	4.1	3.3	3.1	3.9
	359	3.5	3.8	3.6	3.9	3.9	3.4	4.1	3.3	4.4	3.8
	360	3.5	3.8	3.6	3.9	3.9	3.4	4.1	3.3	4.4	3.8
	361	3.5	3.8	3.6	3.9	3.9	3.4	4.1	3.3	4.4	3.8
	362	3.5	3.8	3.6	3.9	3.9	3.4	4.1	3.3	4.4	3.8
	363	3.3	3.6	4.0	3.4	3.8	3.5	4.0	4.3	4.1	3.3
	364	3.3	3.6	4.0	3.4	3.8	3.5	4.0	4.3	4.1	3.3
	365	3.3	3.6	4.0	3.4	3.8	3.5	4.0	4.3	4.1	3.3
	366	3.3	3.6	4.0	3.4	3.8	3.5	4.0	4.3	4.1	3.3

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	367	3.2	4.2	3.7	3.5	3.5		4.0	4.0	4.3	4.0
	368	3.2	4.2	3.7	3.5	3.5		4.0	4.0	4.3	4.0
	369	3.2	4.2	3.7	3.5	3.5		4.0	4.0	4.3	4.0
	370	3.2	4.2	3.7	3.5	3.5		4.0	4.0	4.3	4.0
B60F	451	3.6	3.8	4.0	3.9	3.5	4.0	3.9	3.7	4.3	3.4
	452	3.6	3.8	4.0	3.9	3.5	4.0	3.9	3.7	4.3	3.4
	453	3.6	3.8	4.0	3.9	3.5	4.0	3.9	3.7	4.3	3.4
	454	3.6	3.8	4.0	3.9	3.5	4.0	3.9	3.7	4.3	3.4
	455	3.6	3.8	3.8	4.2	4.0	4.3	4.6	4.4	4.1	4.2
	456	3.6	3.8	3.8	4.2	4.0	4.3	4.6	4.4	4.1	4.2
	457	3.6	3.8	3.8	4.2	4.0	4.3	4.6	4.4	4.1	4.2
	458	3.6	3.8	3.8	4.2	4.0	4.3	4.6	4.4	4.1	4.2
	459	3.1	3.7	3.3	3.8	3.7	3.6	3.6	3.6	3.9	3.7
	460	3.1	3.7	3.3	3.8	3.7	3.6	3.6	3.6	3.9	3.7
	461	3.1	3.7	3.3	3.8	3.7	3.6	3.6	3.6	3.9	3.7
	462	3.1	3.7	3.3	3.8	3.7	3.6	3.6	3.6	3.9	3.7
	463	3.1	3.9	3.8	3.9	4.0	3.9	3.9	4.4	3.8	4.0
	464	3.1	3.9	3.8	3.9	4.0	3.9	3.9	4.4	3.8	4.0
	465	3.1	3.9	3.8	3.9	4.0	3.9	3.9	4.4	3.8	4.0
	466	3.1	3.9	3.8	3.9	4.0	3.9	3.9	4.4	3.8	4.0
	467	3.6	3.9	4.5	5.0	3.9	4.4	4.5	4.1	4.4	4.3
	468	3.6	3.9	4.5	5.0	3.9	4.4	4.5	4.1	4.4	4.3
	469	3.6	3.9	4.5	5.0	3.9	4.4	4.5	4.1	4.4	4.3
	470	3.6	3.9	4.5	5.0	3.9	4.4	4.5	4.1	4.4	4.3
B120F	551	3.2	4.0	3.8	4.1	4.0	4.8		4.0	4.0	3.6
	552	3.2	4.0	3.8	4.1	4.0	4.8		4.0	4.0	3.6
	553	3.2	4.0	3.8	4.1	4.0	4.8		4.0	4.0	3.6
	554	3.2	4.0	3.8	4.1	4.0	4.8		4.0	4.0	3.6

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
B120F	555	2.5	3.5	3.9	3.8	3.9	4.0	3.5	4.1	3.6	3.8
	556	2.5	3.5	3.9	3.8	3.9	4.0	3.5	4.1	3.6	3.8
	557	2.5	3.5	3.9	3.8	3.9	4.0	3.5	4.1	3.6	3.8
	558	2.5	3.5	3.9	3.8	3.9	4.0	3.5	4.1	3.6	3.8
	559	2.8	3.7	3.6	3.7	3.3	3.3	3.6	3.5	3.3	3.7
	560	2.8	3.7	3.6	3.7	3.3	3.3	3.6	3.5	3.3	3.7
	561	2.8	3.7	3.6	3.7	3.3	3.3	3.6	3.5	3.3	3.7
	562	2.8	3.7	3.6	3.7	3.3	3.3	3.6	3.5	3.3	3.7
	563	3.7	3.8	3.8	4.1	4.0	3.8	4.1	4.1	4.3	3.8
	564	3.7	3.8	3.8	4.1	4.0	3.8	4.1	4.1	4.3	3.8
	565	3.7	3.8	3.8	4.1	4.0	3.8	4.1	4.1	4.3	3.8
	566	3.7	3.8	3.8	4.1	4.0	3.8	4.1	4.1	4.3	3.8
	567	2.7	4.0	3.1	3.5	3.6	3.3	3.5	3.5	3.1	2.3
	568	2.7	4.0	3.1	3.5	3.6	3.3	3.5	3.5	3.1	2.3
	569	2.7	4.0	3.1	3.5	3.6	3.3	3.5	3.5	3.1	2.3
	570	2.7	4.0	3.1	3.5	3.6	3.3	3.5	3.5	3.1	2.3
E6F	651	4.2	4.5	4.1	4.5	4.4	4.5	4.5	4.5	4.7	4.0
	652	4.2	4.5	4.1	4.5	4.4	4.5	4.5	4.5	4.7	4.0
	653	4.2	4.5	4.1	4.5	4.4	4.5	4.5	4.5	4.7	4.0
	654	4.2	4.5	4.1	4.5	4.4	4.5	4.5	4.5	4.7	4.0
	655	3.2	4.2	4.1	4.5	3.9	3.6	4.0	4.1	4.0	3.3
	656	3.2	4.2	4.1	4.5	3.9	3.6	4.0	4.1	4.0	3.3
	657	3.2	4.2	4.1	4.5	3.9	3.6	4.0	4.1	4.0	3.3
	658	3.2	4.2	4.1	4.5	3.9	3.6	4.0	4.1	4.0	3.3
	659	4.0	3.8	4.6	4.4	4.3	4.5	3.9	4.2	3.8	4.3
	660	4.0	3.8	4.6	4.4	4.3	4.5	3.9	4.2	3.8	4.3
	661	4.0	3.8	4.6	4.4	4.3	4.5	3.9	4.2	3.8	4.3
	662	4.0	3.8	4.6	4.4	4.3	4.5	3.9	4.2	3.8	4.3

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	663	3.8	3.8	3.7	4.6	3.7	3.9	3.9	3.8	4.8	4.1
	664	3.8	3.8	3.7	4.6	3.7	3.9	3.9	3.8	4.8	4.1
	665	3.8	3.8	3.7	4.6	3.7	3.9	3.9	3.8	4.8	4.1
	666	3.8	3.8	3.7	4.6	3.7	3.9	3.9	3.8	4.8	4.1
	667	4.4	4.4	4.5	5.0	4.3	4.1	4.6	4.4	4.4	4.2
	668	4.4	4.4	4.5	5.0	4.3	4.1	4.6	4.4	4.4	4.2
	669	4.4	4.4	4.5	5.0	4.3	4.1	4.6	4.4	4.4	4.2
	670	4.4	4.4	4.5	5.0	4.3	4.1	4.6	4.4	4.4	4.2
E60F	751	3.6	4.4	3.4	4.0	3.8	3.5	3.9	3.9	4.0	4.0
	752	3.6	4.4	3.4	4.0	3.8	3.5	3.9	3.9	4.0	4.0
	753	3.6	4.4	3.4	4.0	3.8	3.5	3.9	3.9	4.0	4.0
	754	3.6	4.4	3.4	4.0	3.8	3.5	3.9	3.9	4.0	4.0
	755	4.2	4.4	4.4	4.4	4.7		4.3	4.5	4.3	4.9
	756	4.2	4.4	4.4	4.4	4.7		4.3	4.5	4.3	4.9
	757	4.2	4.4	4.4	4.4	4.7		4.3	4.5	4.3	4.9
	758	4.2	4.4	4.4	4.4	4.7		4.3	4.5	4.3	4.9
	759	3.8	4.3	4.0	4.5	3.4	4.5	4.1	4.7	4.4	4.5
	760	3.8	4.3	4.0	4.5	3.4	4.5	4.1	4.7	4.4	4.5
	761	3.8	4.3	4.0	4.5	3.4	4.5	4.1	4.7	4.4	4.5
	762	3.8	4.3	4.0	4.5	3.4	4.5	4.1	4.7	4.4	4.5
	763	3.3	4.3	3.9	4.0	3.8	3.4	3.9	3.5	3.4	3.0
	764	3.3	4.3	3.9	4.0	3.8	3.4	3.9	3.5	3.4	3.0
	765	3.3	4.3	3.9	4.0	3.8	3.4	3.9	3.5	3.4	3.0
	766	3.3	4.3	3.9	4.0	3.8	3.4	3.9	3.5	3.4	3.0
	767	3.7	4.0	4.0	3.9	4.1	3.5	3.7	4.0	3.8	3.8
	768	3.7	4.0	4.0	3.9	4.1	3.5	3.7	4.0	3.8	3.8
	769	3.7	4.0	4.0	3.9	4.1	3.5	3.7	4.0	3.8	3.8
	770	3.7	4.0	4.0	3.9	4.1	3.5	3.7	4.0	3.8	3.8

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
E120F	851	3.2	4.2	3.7	4.1	3.5	3.6	3.7	3.6	4.0	4.1
	852	3.2	4.2	3.7	4.1	3.5	3.6	3.7	3.6	4.0	4.1
	853	3.2	4.2	3.7	4.1	3.5	3.6	3.7	3.6	4.0	4.1
	854	3.2	4.2	3.7	4.1	3.5	3.6	3.7	3.6	4.0	4.1
	855	2.3	3.5	3.3	3.6	3.6	3.1	3.3	3.6	3.7	3.4
	856	2.3	3.5	3.3	3.6	3.6	3.1	3.3	3.6	3.7	3.4
	857	2.3	3.5	3.3	3.6	3.6	3.1	3.3	3.6	3.7	3.4
	858	2.3	3.5	3.3	3.6	3.6	3.1	3.3	3.6	3.7	3.4
	859	3.6	2.8	4.4	4.3	3.6	3.7	4.0	4.1	4.0	4.0
	860	3.6	2.8	4.4	4.3	3.6	3.7	4.0	4.1	4.0	4.0
	861	3.6	2.8	4.4	4.3	3.6	3.7	4.0	4.1	4.0	4.0
	862	3.6	2.8	4.4	4.3	3.6	3.7	4.0	4.1	4.0	4.0
	863	2.9	4.3	3.8	3.9	3.5	3.4	4.0	3.7	4.0	4.1
	864	2.9	4.3	3.8	3.9	3.5	3.4	4.0	3.7	4.0	4.1
	865	2.9	4.3	3.8	3.9	3.5	3.4	4.0	3.7	4.0	4.1
	866	2.9	4.3	3.8	3.9	3.5	3.4	4.0	3.7	4.0	4.1
	867	3.3	4.3	3.6	4.0	3.9	3.5	3.3	3.8	3.6	2.9
	868	3.3	4.3	3.6	4.0	3.9	3.5	3.3	3.8	3.6	2.9
	869	3.3	4.3	3.6	4.0	3.9	3.5	3.3	3.8	3.6	2.9
	870	3.3	4.3	3.6	4.0	3.9	3.5	3.3	3.8	3.6	2.9

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

Group	Animal	Day		
	ID	77	84	91
CF	151	3.2	3.9	3.8
	152	3.2	3.9	3.8
	153	3.2	3.9	3.8
	154	3.2	3.9	3.8
	155	4.3	4.4	4.0
	156	4.3	4.4	4.0
	157	4.3	4.4	4.0
	158	4.3	4.4	4.0
	159	4.4	4.0	4.5
	160	4.4	4.0	4.5
	161	4.4	4.0	4.5
	162	4.4	4.0	4.5
	163	4.2	4.0	4.2
	164	4.2	4.0	4.2
	165	4.2	4.0	4.2
	166	4.2	4.0	4.2
	167	4.2	4.1	4.1
	168	4.2	4.1	4.1
	169	4.2	4.1	4.1
	170	4.2	4.1	4.1
NT120F	251	3.1	2.9	3.1
	252	3.1	2.9	3.1
	253	3.1	2.9	3.1
	254	3.1	2.9	3.1
	255	3.6	4.7	3.4
	256	3.6	4.7	3.4
	257	3.6	4.7	3.4
	258	3.6	4.7	3.4

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

Group	Animal ID	Day		
		77	84	91
NT120F	259		2.8	3.1
	260		2.8	3.1
	261		2.8	3.1
	262		2.8	3.1
	263	3.8	3.6	3.8
	264	3.8	3.6	3.8
	265	3.8	3.6	3.8
	266	3.8	3.6	3.8
	267	4.0	3.4	3.5
	268	4.0	3.4	3.5
	269	4.0	3.4	3.5
B6F	270	4.0	3.4	3.5
	351	3.5	3.9	3.7
	352	3.5	3.9	3.7
	353	3.5	3.9	3.7
	354	3.5	3.9	3.7
	355	3.9	3.8	3.6
	356	3.9	3.8	3.6
	357	3.9	3.8	3.6
	358	3.9	3.8	3.6
	359	4.0	3.7	3.1
	360	4.0	3.7	3.1
	361	4.0	3.7	3.1
	362	4.0	3.7	3.1
	363	3.8	4.4	3.8
	364	3.8	4.4	3.8
	365	3.8	4.4	3.8
	366	3.8	4.4	3.8

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

Group	Animal	Day		
	ID	77	84	91
B6F	367		4.0	3.1
	368		4.0	3.1
	369		4.0	3.1
	370		4.0	3.1
B60F	451		3.9	4.0
	452		3.9	4.0
	453		3.9	4.0
	454		3.9	4.0
	455	4.6	4.2	3.8
	456	4.6	4.2	3.8
	457	4.6	4.2	3.8
	458	4.6	4.2	3.8
	459	3.6	3.8	3.5
	460	3.6	3.8	3.5
	461	3.6	3.8	3.5
	462	3.6	3.8	3.5
	463	3.8	3.9	3.8
	464	3.8	3.9	3.8
	465	3.8	3.9	3.8
	466	3.8	3.9	3.8
	467	4.5	3.8	3.9
	468	4.5	3.8	3.9
	469	4.5	3.8	3.9
	470	4.5	3.8	3.9
B120F	551	3.6	3.5	3.3
	552	3.6	3.5	3.3
	553	3.6	3.5	3.3
	554	3.6	3.5	3.3

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

Group	Animal	Day		
	ID	77	84	91
B120F	555	3.7	3.6	3.2
	556	3.7	3.6	3.2
	557	3.7	3.6	3.2
	558	3.7	3.6	3.2
	559	3.6	3.4	2.7
	560	3.6	3.4	2.7
	561	3.6	3.4	2.7
	562	3.6	3.4	2.7
	563	3.9	3.7	3.8
	564	3.9	3.7	3.8
	565	3.9	3.7	3.8
	566	3.9	3.7	3.8
	567	3.6	4.5	3.0
	568	3.6	4.5	3.0
	569	3.6	4.5	3.0
	570	3.6	4.5	3.0
E6F	651	4.4	4.4	4.3
	652	4.4	4.4	4.3
	653	4.4	4.4	4.3
	654	4.4	4.4	4.3
	655	3.7	4.4	3.8
	656	3.7	4.4	3.8
	657	3.7	4.4	3.8
	658	3.7	4.4	3.8
	659	4.1	4.8	4.4
	660	4.1	4.8	4.4
	661	4.1	4.8	4.4
	662	4.1	4.8	4.4

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

Group	Animal	Day		
	ID	77	84	91
E6F	663	4.0	4.5	4.0
	664	4.0	4.5	4.0
	665	4.0	4.5	4.0
	666	4.0	4.5	4.0
	667	4.8	4.3	3.2
	668	4.8	4.3	3.2
	669	4.8	4.3	3.2
	670	4.8	4.3	3.2
E60F	751	3.9	4.0	3.5
	752	3.9	4.0	3.5
	753	3.9	4.0	3.5
	754	3.9	4.0	3.5
	755	4.4	4.3	4.4
	756	4.4	4.3	4.4
	757	4.4	4.3	4.4
	758	4.4	4.3	4.4
	759			3.6
	760			3.6
	761			3.6
	762			3.6
	763	4.4	3.7	3.5
	764	4.4	3.7	3.5
	765	4.4	3.7	3.5
	766	4.4	3.7	3.5
	767		3.8	3.7
	768		3.8	3.7
	769		3.8	3.7
	770		3.8	3.7

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

Group	Animal	Day		
	ID	77	84	91
E120F	851	3.9	3.5	3.2
	852	3.9	3.5	3.2
	853	3.9	3.5	3.2
	854	3.9	3.5	3.2
	855	3.6	3.5	3.2
	856	3.6	3.5	3.2
	857	3.6	3.5	3.2
	858	3.6	3.5	3.2
	859		3.6	3.5
	860		3.6	3.5
	861		3.6	3.5
	862		3.6	3.5
	863	3.7	4.0	3.9
	864	3.7	4.0	3.9
	865	3.7	4.0	3.9
	866	3.7	4.0	3.9
	867	3.8	3.6	3.4
	868	3.8	3.6	3.4
	869	3.8	3.6	3.4
	870	3.8	3.6	3.4

Table C-9. Individual Animal Hematology Data – Males

Group	Animal ID	Day	Red Blood Cell Count (10⁶/μL)	Hemoglobin (g/dL)	Hematocrit (%)	Mean Corpuscular Volume (fL)	Mean Corpuscular Hemoglobin (pg)
CM	102	92	10.02	15.2	45.9	45.9	15.2
	104	92	10.04	15.6	48.0	47.8	15.6
	106	92	10.10	15.9	47.9	47.4	15.7
	108	92	10.77	16.6	51.6	47.9	15.4
	110	92	10.61	15.5	46.4	43.8	14.6
	112	93	10.46	16.0	49.7	47.5	15.3
	114	93	10.98	16.3	48.8	44.4	14.8
	116	93	9.49	14.7	45.7	48.1	15.5
	118	93	9.27	13.8	42.4	45.8	14.9
	120	93	11.78	18.5	55.4	47.0	15.7
NT120M	202	92	10.01	15.6	46.3	46.3	15.6
	204	92	11.16	16.8	52.8	47.3	15.0
	206	92	9.66	15.8	49.5	51.3	16.3
	208	92	12.32	19.6	59.4	48.2	15.9
	210	92	11.13	17.8	50.4	45.3	16.0
	212	93	10.26	15.4	47.6	46.4	15.0
	214	93	10.72	16.1	48.7	45.5	15.0
	216	93	9.46	13.9	44.2	46.7	14.7
	218	93	9.65	14.9	46.6	48.3	15.4
	220	93	10.18	15.8	47.7	46.8	15.5
B6M	302	92	11.08	16.3	49.5	44.7	14.7
	304	92	10.17	15.8	47.8	47.1	15.5
	306	92	10.50	15.4	48.6	46.3	14.7
	308	92	10.34	16.4	49.4	47.8	15.8
	310	92	10.05	15.0	44.8	44.6	14.9
	312	93	10.42	15.0	45.8	43.9	14.4

Table C-9. Individual Animal Hematology Data – Males

Group	Animal ID	Day	Red Blood Cell Count (10⁶/μL)	Hemoglobin (g/dL)	Hematocrit (%)	Mean Corpuscular Volume (fL)	Mean Corpuscular Hemoglobin (pg)
B6M	314	93	10.72	17.1	50.7	47.3	16.0
	316	93	9.62	14.5	44.7	46.5	15.1
	318	93	10.57	16.1	48.2	45.6	15.2
	320	93	10.30	16.0	48.3	46.9	15.5
B60M	402	92	11.22	16.7	49.4	44.0	14.9
	404	92	11.55	17.2	52.1	45.1	14.9
	406	92	11.57	18.1	54.0	46.7	15.6
	408	92	12.46	18.6	57.0	45.7	14.9
	410	92	10.40	16.4	50.0	48.0	15.8
	412	93	10.32	15.7	46.7	45.3	15.2
	414	93	10.77	15.8	49.2	45.7	14.7
	416	93	9.31	13.9	42.1	45.2	15.0
	418	93	10.42	15.7	49.1	47.1	15.0
	420	93	10.15	15.7	48.0	47.3	15.4
B120M	502	92	11.63	17.5	53.4	45.9	15.0
	504	92	10.44	15.7	48.4	46.3	15.0
	506	92	9.97	14.9	44.5	44.7	14.9
	508	92	10.58	15.9	48.8	46.1	15.0
	510	92	10.36	15.5	47.5	45.9	15.0
	512	93	12.09	17.4	53.0	43.8	14.4
	514	93	11.67	16.7	51.2	43.9	14.3
	516	93	12.00	17.4	53.2	44.3	14.5
	518	93	9.75	14.7	45.0	46.2	15.1
	520	93	11.39	16.3	51.4	45.1	14.3
E6M	602	92	10.96	17.1	50.5	46.1	15.6
	604	92	10.14	15.4	46.1	45.5	15.2
	606	92	11.57	17.8	55.5	48.0	15.4

Table C-9. Individual Animal Hematology Data – Males

Group	Animal ID	Day	Red Blood Cell			Mean	Mean
			Count (10 ⁶ /μL)	Hemoglobin (g/dL)	Hematocrit (%)	Corpuscular Volume (fL)	Corpuscular Hemoglobin (pg)
E6M	608	92	10.00	15.2	45.0	45.0	15.2
	610	92	10.52	15.1	44.8	42.6	14.3
	612	93	9.37	14.4	45.5	48.5	15.4
	614	93	10.38	15.1	46.3	44.6	14.6
	616	93	10.27	15.7	46.2	45.0	15.3
	618	93	10.40	15.7	45.8	44.0	15.1
	620	93	9.72	15.0	45.7	47.1	15.4
E60M	702	92	10.40	15.9	47.0	45.2	15.3
	704	92	10.55	16.1	49.1	46.5	15.3
	706	92	12.24	18.4	56.2	45.9	15.1
	708	92	10.08	15.4	48.7	48.3	15.3
	710	92	10.21	15.6	45.5	44.6	15.3
	712	93	10.70	16.3	49.9	46.7	15.2
	714	93	10.13	15.3	44.4	43.8	15.1
	716	93	10.13	14.7	45.7	45.1	14.5
	718	93	10.74	15.4	46.4	43.2	14.3
	720	93	10.03	15.0	46.1	46.0	15.0
E120M	802	92	11.46	17.1	53.1	46.3	14.9
	804	92	10.10	15.7	47.7	47.3	15.5
	806	92	10.73	16.4	50.4	46.9	15.3
	808	92	12.17	17.9	54.6	44.9	14.7
	810	92	10.03	15.1	46.7	46.6	15.1
	812	93	10.62	15.2	48.4	45.5	14.3
	814	93	11.18	16.9	49.5	44.3	15.2
	816	93	10.49	15.5	46.6	44.4	14.8
	818	93	10.61	15.1	46.7	44.0	14.2
	820	93	10.22	15.6	47.3	46.3	15.3

Table C-9. Individual Animal Hematology Data – Males

Group	Animal ID	Day	Mean Corpuscular Hemoglobin Concentration (g/dL)	Platelet Count (10³/μL)	Reticulocytes (10³/μL)
CM	102	92	33.2	917	185.5
	104	92	32.6	910	257.9
	106	92	33.2	823	285.5
	108	92	32.1	1207	293.4
	110	92	33.3	717	251.3
	112	93	32.3	830	323.3
	114	93	33.3	747	334.4
	116	93	32.2	1193	296.8
	118	93	32.5	1053	254.9
	120	93	33.4	259	327.2
NT120M	202	92	33.7	1135	281.4
	204	92	31.8	626	285.1
	206	92	31.8	704	690.5
	208	92	33.1	252	682.8
	210	92	35.3	627	292.8
	212	93	32.4	760	221.0
	214	93	33.0	600	709.3
	216	93	31.4	827	368.1
	218	93	31.9	846	305.0
	220	93	33.1	944	279.5
B6M	302	92	32.8	899	309.2
	304	92	33.0	572	296.8
	306	92	31.7	664	240.5
	308	92	33.1	779	277.1
	310	92	33.5	1000	216.6
	312	93	32.9	1028	177.5

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 ($10^3/\mu\text{L}$)
B6M	314	93	33.7	797	284.7
	316	93	32.4	1226	256.5
	318	93	33.4	690	289.2
	320	93	33.1	846	258.6
B60M	402	92	33.9	962	327.9
	404	92	33.1	568	311.3
	406	92	33.5	269	416.9
	408	92	32.7	402	366.6
	410	92	32.8	590	339.3
	412	93	33.7	1081	288.1
	414	93	32.2	958	440.8
	416	93	33.1	1148	282.1
	418	93	31.9	704	336.4
	420	93	32.7	764	308.5
B120M	502	92	32.7	545	362.2
	504	92	32.3	1049	267.6
	506	92	33.4	724	344.3
	508	92	32.6	1359	311.8
	510	92	32.7	919	377.2
	512	93	32.9	640	352.5
	514	93	32.6	698	281.6
	516	93	32.7	637	327.2
	518	93	32.7	733	347.0
	520	93	31.7	1121	305.2
E6M	602	92	33.9	648	268.4
	604	92	33.4	785	192.5
	606	92	32.1	655	320.0

Table C-9. Individual Animal Hematology Data – Males

Group	Animal ID	Day	Mean Corpuscular Hemoglobin Concentration (g/dL)	Platelet Count (10³/μL)	Reticulocytes (10³/μL)
E6M	608	92	33.9	1020	226.2
	610	92	33.6	897	269.6
	612	93	31.7	898	311.2
	614	93	32.7	728	204.5
	616	93	34.0	1211	269.4
	618	93	34.3	762	289.0
	620	93	32.8	735	278.9
E60M	702	92	33.9	1050	333.9
	704	92	32.8	1003	214.6
	706	92	32.8	505	194.2
	708	92	31.6	1123	351.3
	710	92	34.2	1190	339.2
	712	93	32.6	835	410.2
	714	93	34.4	959	238.5
	716	93	32.1	907	343.1
	718	93	33.1	877	303.6
	720	93	32.5	1010	314.3
E120M	802	92	32.2	731	320.7
	804	92	32.9	929	324.2
	806	92	32.6	652	298.0
	808	92	32.8	682	318.2
	810	92	32.3	1015	333.7
	812	93	31.5	879	286.1
	814	93	34.3	633	258.1
	816	93	33.3	677	238.3
	818	93	32.3	697	294.4
	820	93	32.9	805	416.7

Table C-10. Individual Animal Hematology Data – Females

Group	Animal ID	Day	Red Blood Cell	Hemoglobin (g/dL)	Hematocrit (%)	Mean	Mean
			Count (10 ⁶ /μL)			Corpuscular Volume (fL)	Corpuscular Hemoglobin (pg)
CF	152	93	10.57	16.4	47.5	45.0	15.5
	154	93	10.62	15.8	48.2	45.3	14.9
	156	93	8.75	14.1	42.0	48.0	16.1
	158	93	10.20	15.5	47.0	46.1	15.2
	160	93	10.34	17.3	50.7	49.0	16.7
	162	94	9.54	14.3	42.8	44.8	15.0
	164	94	9.39	14.4	42.9	45.7	15.3
	168	94	11.21	16.4	49.5	44.2	14.6
	170	94	10.12	15.2	44.7	44.1	15.1
NT120F	252	93	11.05	16.6	49.1	44.4	15.1
	254	93	10.39	16.4	48.8	47.0	15.8
	256	93	8.97	13.6	42.3	47.2	15.2
	258	93	10.18	15.3	46.4	45.6	15.0
	260	93	9.56	15.3	44.9	46.9	16.0
	262	94	9.58	15.2	44.1	46.1	15.8
	264	94	8.90	13.8	41.3	46.4	15.5
	266	94	9.85	14.7	44.0	44.7	14.9
	268	94	11.04	16.8	49.5	44.9	15.2
	270	94	9.71	15.1	44.9	46.3	15.5
B6F	352	93	9.00	14.0	41.4	46.0	15.6
	354	93	10.26	14.9	45.1	44.0	14.5
	356	93	9.71	14.7	43.1	44.4	15.1
	358	93	9.91	14.7	44.3	44.6	14.8
	360	93	11.34	17.0	50.1	44.2	15.0
	362	94	10.63	16.2	47.6	44.8	15.3
	364	94	10.44	15.3	45.6	43.7	14.7
	366	94	9.28	13.9	41.9	45.1	15.0

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)
B6F	368	94	9.15	13.7	40.1	43.8	15.0
	370	94	10.25	16.1	46.7	45.5	15.7
B60F	452	93	9.91	15.4	43.9	44.4	15.5
	454	93	10.17	14.8	46.0	45.2	14.5
	456	93	9.75	13.8	42.4	43.4	14.2
	460	93	11.57	17.1	50.8	43.9	14.8
	462	94	11.70	16.7	49.6	42.4	14.3
	464	94	10.65	16.8	48.1	45.2	15.7
	466	94	10.22	14.9	44.5	43.6	14.5
	468	94	10.75	16.4	48.9	45.4	15.2
	470	94	8.55	13.0	39.4	46.1	15.2
B120F	552	93	10.93	16.4	48.1	44.0	15.0
	554	93	10.66	15.9	48.6	45.5	14.9
	556	93	9.95	15.4	46.5	46.7	15.5
	558	93	9.51	14.9	44.8	47.1	15.6
	560	93	10.48	15.4	46.0	43.9	14.7
	562	94	10.80	15.7	47.1	43.7	14.6
	564	94	10.36	16.4	49.0	47.2	15.8
	566	94	9.71	14.8	45.6	47.0	15.3
	568	94	8.94	13.7	39.3	43.9	15.3
	570	94	10.01	15.1	45.9	45.8	15.1
E6F	652	93	9.53	14.5	42.7	44.8	15.2
	654	93	9.48	15.4	45.5	48.1	16.3
	656	93	9.49	15.2	45.5	47.9	16.0
	658	93	10.23	14.9	44.6	43.6	14.6
	660	93	11.01	16.3	47.3	43.0	14.8
	662	94	10.42	16.5	47.9	45.9	15.8

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)
E6F	664	94	11.13	15.8	47.3	42.5	14.2
	666	94	9.62	15.1	44.4	46.1	15.7
	668	94	10.05	14.9	46.5	46.3	14.9
	670	94	10.56	17.1	49.8	47.2	16.2
E60F	752	93	11.04	16.4	48.7	44.1	14.9
	754	93	11.23	15.6	48.1	42.8	13.9
	756	93	11.52	17.0	52.1	45.2	14.8
	758	93	9.25	14.4	41.5	44.9	15.6
	760	93	10.29	15.6	47.6	46.3	15.1
	762	94	9.01	14.7	42.8	47.5	16.3
	764	94	9.78	14.6	44.3	45.3	15.0
	766	94	9.67	14.3	43.7	45.1	14.8
	768	94	11.09	16.4	47.4	42.8	14.8
	770	94	9.83	14.7	45.7	46.4	15.0
E120F	852	93	9.98	15.5	46.1	46.2	15.5
	854	93	9.51	15.7	46.8	49.2	16.6
	856	93	9.81	14.9	45.1	46.0	15.2
	858	93	10.44	15.5	46.8	44.9	14.8
	860	93	10.29	15.3	45.8	44.6	14.9
	862	94	10.69	16.7	48.4	45.3	15.6
	864	94	10.04	15.7	45.1	44.9	15.6
	866	94	10.10	15.0	44.6	44.1	14.9
	868	94	10.36	14.7	45.4	43.8	14.2
	870	94	10.21	16.3	46.9	45.9	16.0

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)
CF	152	93	34.5	607	237.5
	154	93	32.8	531	266.6
	156	93	33.5	1046	240.4
	158	93	32.9	1809	168.7
	160	93	34.1	513	174.7
	162	94	33.5	826	273.0
	164	94	33.6	920	347.2
	168	94	33.1	485	451.2
	170	94	34.1	910	168.1
NT120F	252	93	33.9	976	196.1
	254	93	33.5	700	231.5
	256	93	32.1	1097	245.7
	258	93	33.0	996	259.3
	260	93	34.1	721	258.6
	262	94	34.3	981	323.0
	264	94	33.4	998	250.9
	266	94	33.4	948	301.8
	268	94	34.0	544	368.3
	270	94	33.5	546	422.3
B6F	352	93	33.9	1321	108.4
	354	93	33.0	695	235.0
	356	93	34.1	655	251.5
	358	93	33.2	1201	247.8
	360	93	33.9	594	231.2
	362	94	34.1	648	360.0
	364	94	33.6	761	202.6

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 ($10^3/\mu\text{L}$)
B6F	366	94	33.2	978	162.5
	368	94	34.2	1115	190.4
	370	94	34.6	514	303.8
B60F	452	93	35.0	821	212.3
	454	93	32.2	572	315.4
	456	93	32.6	1051	155.1
	460	93	33.6	712	273.6
	462	94	33.6	1017	158.6
	464	94	34.8	950	236.3
	466	94	33.4	962	200.4
	468	94	33.5	653	238.6
	470	94	32.9	996	511.9
B120F	552	93	34.1	867	328.3
	554	93	32.8	1045	312.4
	556	93	33.1	935	334.7
	558	93	33.2	1313	226.0
	560	93	33.5	813	237.2
	562	94	33.4	1702	158.7
	564	94	33.4	657	228.6
	566	94	32.5	943	365.1
	568	94	34.8	615	272.4
	570	94	32.9	882	295.5
E6F	652	93	34.0	707	146.7
	654	93	33.8	1025	245.3
	656	93	33.4	1112	86.3
	658	93	33.5	942	248.6

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 ($10^3/\mu\text{L}$)
E6F	660	93	34.5	753	202.9
	662	94	34.4	845	280.5
	664	94	33.5	689	276.6
	666	94	33.9	859	258.1
	668	94	32.1	973	208.5
	670	94	34.2	746	254.1
E60F	752	93	33.7	865	248.8
	754	93	32.4	646	306.5
	756	93	32.7	553	293.7
	758	93	34.8	829	200.3
	760	93	32.7	798	302.9
	762	94	34.3	689	220.5
	764	94	33.0	1029	247.5
	766	94	32.7	756	297.5
	768	94	34.5	570	198.5
	770	94	32.3	1133	274.0
E120F	852	93	33.5	1083	257.2
	854	93	33.6	892	271.2
	856	93	33.1	1200	261.0
	858	93	33.0	674	197.8
	860	93	33.4	1144	280.2
	862	94	34.5	524	299.5
	864	94	34.8	879	214.1
	866	94	33.7	1026	150.6
	868	94	32.5	974	356.7
	870	94	34.7	745	354.3

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

Group	Animal ID	Day	White Blood Cell Count (10³/μL)	Neutrophils (10³/μL)	Total Lymphocytes (10³/μL)	Monocytes (10³/μL)	Eosinophils (10³/μL)
CM	102	92	5.39	1.40	3.88	0.05	0.05
	104	92	5.98	1.44	4.49	0.06	0.00
	106	92	1.91	0.29	1.55	0.04	0.04
	108	92	3.64	0.86	2.64	0.06	0.08
	110	92	2.15	0.62	1.51	0.02	0.00
	112	93	7.48	2.92	4.41	0.00	0.15
	114	93	6.31	1.83	4.42	0.06	0.00
	116	93	2.83	0.84	1.73	0.14	0.11
	118	93	3.30	0.69	2.54	0.07	0.00
	120	93	2.93	0.26	2.61	0.03	0.03
NT120M	202	92	3.99	2.00	1.96	0.04	0.00
	204	92	5.22	1.51	3.65	0.05	0.00
	206	92	1.50	0.30	1.19	0.02	0.00
	208	92	2.41	0.45	1.85	0.04	0.07
	210	92	5.42	2.38	2.87	0.16	0.00
	212	93	9.93	1.29	8.54	0.10	0.00
	214	93	5.78	1.56	4.05	0.17	0.00
	216	93	2.38	1.31	1.05	0.02	0.00
	218	93	4.07	1.17	2.76	0.04	0.09
	220	93	4.32	1.97	2.14	0.02	0.19
B6M	302	92	4.22	1.46	2.63	0.04	0.09
	304	92	3.38	0.64	2.60	0.00	0.14
	306	92	2.39	0.22	2.10	0.07	0.00
	308	92	1.74	0.24	1.44	0.05	0.00
	310	92	2.83	0.48	2.32	0.00	0.03
	312	93	4.58	1.83	2.61	0.09	0.05
	314	93	4.15	0.78	3.22	0.05	0.10
	316	93	2.16	0.54	1.39	0.07	0.17

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

Group	Animal ID	Day	White Blood Cell Count (10³/μL)	Neutrophils (10³/μL)	Total Lymphocytes (10³/μL)	Monocytes (10³/μL)	Eosinophils (10³/μL)
B6M	318	93	1.52	0.35	1.12	0.00	0.05
	320	93	5.38	1.77	3.42	0.05	0.14
B60M	402	92	3.87	1.24	2.48	0.12	0.04
	404	92	5.56	0.89	4.56	0.11	0.00
	406	92	1.58	0.19	1.37	0.00	0.02
	408	92	3.49	0.59	2.81	0.03	0.05
	410	92	1.34	0.11	1.22	0.01	0.00
	412	93	5.52	1.60	3.48	0.11	0.33
	414	93	3.15	0.91	2.24	0.00	0.00
	416	93	2.60	0.65	1.82	0.08	0.05
	418	93	4.46	1.69	2.63	0.13	0.00
	420	93	2.97	1.19	1.66	0.06	0.06
B120M	502	92	3.22	0.52	2.67	0.03	0.00
	504	92	7.19	2.30	4.75	0.07	0.07
	506	92	3.40	0.58	2.79	0.03	0.00
	508	92	4.66	1.44	3.17	0.05	0.00
	510	92	5.62	1.18	4.44	0.00	0.00
	512	93	3.44	1.10	2.27	0.03	0.03
	514	93	6.85	2.19	4.66	0.00	0.00
	516	93	3.15	1.42	1.70	0.03	0.00
	518	93	5.53	2.27	3.10	0.05	0.05
	520	93	3.91	1.06	2.48	0.08	0.28
E6M	602	92	7.98	2.15	5.43	0.24	0.16
	604	92	5.41	1.24	4.11	0.00	0.05
	606	92	2.32	0.32	1.95	0.05	0.00
	608	92	6.48	2.40	3.95	0.13	0.00
	610	92	6.20	1.18	4.69	0.16	0.16
	612	93	7.35	1.76	5.51	0.00	0.07

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

Group	Animal ID	Day	White Blood Cell Count (10³/μL)	Neutrophils (10³/μL)	Total Lymphocytes (10³/μL)	Monocytes (10³/μL)	Eosinophils (10³/μL)
E6M	614	93	6.23	2.12	3.55	0.31	0.25
	616	93	5.88	1.59	4.05	0.11	0.11
	618	93	3.08	0.68	2.37	0.03	0.00
	620	93	1.76	0.51	1.14	0.04	0.07
E60M	702	92	2.81	0.93	1.88	0.00	0.00
	704	92	7.27	1.84	4.96	0.11	0.35
	706	92	1.82	0.33	1.40	0.02	0.05
	708	92	2.65	0.61	2.01	0.03	0.00
	710	92	4.50	1.05	3.23	0.09	0.13
	712	93	7.06	2.12	4.31	0.41	0.20
	714	93	1.40	0.49	0.88	0.01	0.01
	716	93	2.77	0.66	1.88	0.10	0.12
	718	93	3.02	0.63	2.36	0.03	0.00
	720	93	2.70	0.86	1.73	0.03	0.08
E120M	802	92	10.39	3.84	6.34	0.10	0.10
	804	92	3.29	1.41	1.78	0.10	0.00
	806	92	4.55	0.48	3.91	0.06	0.09
	808	92	1.54	0.18	1.36	0.00	0.00
	810	92	3.80	0.53	3.13	0.09	0.05
	812	93	3.48	1.75	1.57	0.03	0.12
	814	93	3.73	1.30	2.39	0.04	0.00
	816	93	5.48	1.42	3.89	0.11	0.05
	818	93	1.92	0.50	1.40	0.00	0.02
	820	93	2.50	0.94	1.41	0.03	0.11

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

Group	Animal ID	Day	Basophils (10³/μL)
CM	102	92	0.00
	104	92	0.00
	106	92	0.00
	108	92	0.00
	110	92	0.00
	112	93	0.00
	114	93	0.00
	116	93	0.01
	118	93	0.00
	120	93	0.00
NT120M	202	92	0.00
	204	92	0.00
	206	92	0.00
	208	92	0.01
	210	92	0.00
	212	93	0.00
	214	93	0.00
	216	93	0.00
	218	93	0.01
	220	93	0.01
B6M	302	92	0.00
	304	92	0.00
	306	92	0.00
	308	92	0.00
	310	92	0.00
	312	93	0.00
	314	93	0.00
	316	93	0.00
	318	93	0.00

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

Group	Animal ID	Day	Basophils (10³/μL)
B6M	320	93	0.00
	402	92	0.00
B60M	404	92	0.00
	406	92	0.00
	408	92	0.01
	410	92	0.00
	412	93	0.00
	414	93	0.00
	416	93	0.00
	418	93	0.00
	420	93	0.00
	502	92	0.00
B120M	504	92	0.00
	506	92	0.00
	508	92	0.00
	510	92	0.00
	512	93	0.00
	514	93	0.00
	516	93	0.00
	518	93	0.05
	520	93	0.00
	602	92	0.00
E6M	604	92	0.00
	606	92	0.00
	608	92	0.00
	610	92	0.01
	612	93	0.00
	614	93	0.00
	616	93	0.00

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

Group	Animal ID	Day	Basophils (10³/μL)
E6M	618	93	0.00
	620	93	0.00
E60M	702	92	0.00
	704	92	0.01
	706	92	0.00
	708	92	0.00
	710	92	0.01
	712	93	0.01
	714	93	0.00
	716	93	0.00
	718	93	0.00
	720	93	0.00
E120M	802	92	0.00
	804	92	0.00
	806	92	0.00
	808	92	0.00
	810	92	0.00
	812	93	0.00
	814	93	0.00
	816	93	0.00
	818	93	0.00
	820	93	0.00

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)
CF	152	93	5.48	1.26	4.00	0.05	0.16
	154	93	7.15	1.86	5.22	0.00	0.07
	156	93	2.45	1.13	1.32	0.00	0.00
	158	93	5.04	1.31	3.48	0.05	0.20
	160	93	6.55	0.66	5.44	0.00	0.46
	162	94	5.68	1.09	4.40	0.03	0.14
	164	94	7.99	2.24	5.75	0.00	0.00
	168	94	5.73	0.52	5.16	0.06	0.00
	170	94	3.56	0.61	2.85	0.04	0.07
NT120F	252	93	7.02	1.90	4.91	0.07	0.14
	254	93	5.27	1.11	4.06	0.00	0.11
	256	93	3.80	1.29	2.43	0.08	0.00
	258	93	5.19	1.76	3.43	0.00	0.00
	260	93	7.37	1.62	5.75	0.00	0.00
	262	94	4.40	0.86	3.32	0.09	0.12
	264	94	4.38	2.21	1.99	0.08	0.09
	266	94	2.48	1.00	1.31	0.03	0.14
	268	94	7.76	1.55	5.66	0.23	0.31
B6F	352	93	6.43	1.41	4.68	0.18	0.16
	354	93	8.41	2.27	5.89	0.08	0.17
	356	93	5.35	1.55	3.64	0.11	0.05
	358	93	4.84	1.69	3.01	0.02	0.12
	360	93	7.96	1.03	6.77	0.16	0.00
	362	94	6.17	1.47	4.45	0.10	0.15
	364	94	3.73	0.78	2.91	0.04	0.00
	366	94	3.32	1.23	2.09	0.00	0.00
	368	94	4.25	0.82	3.26	0.03	0.14

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)
B6F	370	94	5.43	1.74	3.58	0.05	0.05
	452	93	1.50	0.39	1.10	0.02	0.00
B60F	454	93	6.12	1.47	4.59	0.06	0.00
	456	93	7.02	4.49	2.53	0.00	0.00
	460	93	3.97	0.94	2.89	0.03	0.10
	462	94	11.84	2.64	8.43	0.19	0.56
	464	94	12.95	3.11	9.71	0.13	0.00
	466	94	1.90	0.38	1.52	0.00	0.00
	468	94	5.74	1.26	4.42	0.06	0.00
	470	94	3.84	0.72	3.00	0.06	0.05
	552	93	10.27	1.34	8.83	0.00	0.10
B120F	554	93	6.04	2.42	3.44	0.01	0.14
	556	93	6.92	1.38	5.33	0.07	0.14
	558	93	4.76	1.33	3.27	0.02	0.13
	560	93	10.03	1.71	8.02	0.10	0.20
	562	94	8.36	2.68	5.43	0.04	0.19
	564	94	4.61	1.01	3.55	0.05	0.00
	566	94	5.34	1.44	3.84	0.05	0.00
	568	94	5.50	0.66	4.84	0.00	0.00
	570	94	9.08	2.71	6.07	0.06	0.23
	652	93	8.30	2.91	5.15	0.17	0.08
E6F	654	93	8.20	1.76	6.06	0.15	0.21
	656	93	4.40	1.45	2.90	0.00	0.04
	658	93	3.93	1.05	2.79	0.01	0.07
	660	93	4.86	1.41	3.40	0.05	0.00
	662	94	6.91	1.54	4.62	0.17	0.56
	664	94	10.33	3.10	7.13	0.00	0.10
	666	94	5.51	1.60	3.69	0.06	0.17

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	668	94	2.63	0.66	1.95	0.03	0.00
	670	94	2.85	0.77	2.05	0.00	0.03
E60F	752	93	5.12	1.79	3.23	0.00	0.10
	754	93	9.05	1.99	6.88	0.09	0.09
	756	93	6.13	1.25	4.43	0.11	0.33
	758	93	3.94	1.26	2.68	0.00	0.00
	760	93	4.99	1.40	3.54	0.00	0.05
	762	94	5.69	1.19	4.38	0.06	0.06
	764	94	7.00	1.33	5.46	0.07	0.14
	766	94	2.67	0.37	2.08	0.03	0.19
	768	94	7.35	2.06	5.22	0.07	0.00
	770	94	6.38	2.25	3.94	0.05	0.14
E120F	852	93	4.30	1.14	2.79	0.11	0.26
	854	93	9.68	1.90	7.28	0.20	0.28
	856	93	2.17	0.98	1.19	0.00	0.00
	858	93	4.11	1.11	3.00	0.00	0.00
	860	93	5.10	1.33	3.72	0.00	0.05
	862	94	9.77	1.55	7.85	0.08	0.26
	864	94	5.03	1.56	3.37	0.05	0.05
	866	94	6.63	0.90	5.58	0.04	0.09
	868	94	6.98	1.81	5.03	0.00	0.14
	870	94	7.49	1.87	5.62	0.00	0.00

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

Group	Animal ID	Day	Basophils (10³/μL)
CF	152	93	0.00
	154	93	0.00
	156	93	0.00
	158	93	0.00
	160	93	0.00
	162	94	0.01
	164	94	0.00
	168	94	0.00
	170	94	0.00
NT120F	252	93	0.00
	254	93	0.00
	256	93	0.00
	258	93	0.00
	260	93	0.00
	262	94	0.00
	264	94	0.00
	266	94	0.00
	268	94	0.00
	270	94	0.00
B6F	352	93	0.01
	354	93	0.00
	356	93	0.00
	358	93	0.01
	360	93	0.00
	362	94	0.01
	364	94	0.00
	366	94	0.00
	368	94	0.00
	370	94	0.00

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

Group	Animal ID	Day	Basophils (10³/μL)
B60F	452	93	0.00
	454	93	0.00
	456	93	0.00
	460	93	0.00
	462	94	0.02
	464	94	0.00
	466	94	0.00
	468	94	0.00
	470	94	0.00
B120F	552	93	0.00
	554	93	0.02
	556	93	0.00
	558	93	0.01
	560	93	0.00
	562	94	0.01
	564	94	0.00
	566	94	0.00
	568	94	0.00
	570	94	0.01
E6F	652	93	0.00
	654	93	0.01
	656	93	0.00
	658	93	0.00
	660	93	0.00
	662	94	0.01
	664	94	0.00
	666	94	0.00
	668	94	0.00
	670	94	0.00

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

Group	Animal ID	Day	Basophils (10³/μL)
E60F	752	93	0.00
	754	93	0.00
	756	93	0.01
	758	93	0.00
	760	93	0.00
	762	94	0.00
	764	94	0.00
	766	94	0.00
	768	94	0.00
	770	94	0.00
E120F	852	93	0.00
	854	93	0.02
	856	93	0.00
	858	93	0.00
	860	93	0.00
	862	94	0.03
	864	94	0.00
	866	94	0.02
	868	94	0.00
	870	94	0.00

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

Group	Animal ID	Day	Aspartate		Gamma	Total Bilirubin
			Alkaline Phosphatase	Aminotransferase	Glutamyltransferase	
			(U/L)	(U/L)	(U/L)	(mg/dL)
CM	101	92	89	92	0	0.13
	103	92	51	88	0	0.16
	105	92	103	106	0	0.14
	107	92	63	65	0	0.13
	109	92	80	130	0	0.21
	111	93	62	147	0	0.17
	113	93	52	107	0	0.14
	115	93	75	112	0	0.16
	117	93	74	64	0	0.14
	119	93	81	114	0	0.18
NT120M	201	92	79	128	0	0.15
	203	92	107	114	0	0.16
	205	92	95	157	0	0.17
	207	92	139	67	0	0.12
	209	92	119	85	0	0.15
	211	93	134	143	0	0.15
	213	93	91	99	0	0.11
	215	93	20	135	0	0.13
	217	93	144	64	0	0.17
	219	93	138	104	0	0.12
B6M	301	92	105	249	0	0.18
	303	92	87	125	0	0.24
	305	92	43	98	0	0.13
	307	92	62	118	0	0.13
	309	92	58	80	0	0.13
	311	93	117	80	0	0.12
	313	93	87	72	0	0.15
	315	93	83	86	0	0.17

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	317	93	62	77	0	0.18
	319	93	77	85	0	0.14
B60M	401	92	77	213	0	0.17
	403	92	90	107	0	0.17
	405	92	67	114	0	0.13
	407	92	55	68	0	0.15
	409	92	117	95	0	0.10
	411	93	167	103	0	0.14
	413	93	110	58	0	0.16
	415	93	52	122	0	0.12
	417	93	84	95	0	0.15
	419	93	136	80	0	0.12
B120M	501	92	120	163	0	0.11
	503	92	187	231	0	0.12
	505	92	117	440	0	0.15
	507	92	114	81	0	0.13
	509	92	109	64	0	0.13
	511	93	106	136	0	0.10
	513	93	85	132	0	0.11
	515	93	174	204	0	0.13
	517	93	123	96	0	0.13
	519	93	106	95	0	0.16
E6M	601	92	65	77	0	0.16
	603	92	96	102	0	0.18
	605	92	107	97	0	0.15
	607	92	85	62	0	0.14
	609	92	67	62	0	0.17
	611	93	66	93	0	0.15

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	613	93	86	64	0	0.15
	615	93	55	88	0	0.13
	617	93	76	55	0	0.15
	619	93	57	69	0	0.16
E60M	701	92	86	93	0	0.15
	703	92	75	197	0	0.16
	705	92	96	184	0	0.16
	707	92	87	83	0	0.17
	709	92	85	91	0	0.11
	711	93	67	100	0	0.10
	713	93	108	168	0	0.16
	715	93	93	755	0	0.21
	717	93	61	104	0	0.15
	719	93	93	61	0	0.12
E120M	801	92	243	227	0	0.12
	803	92	35	142	0	0.12
	805	92	87	181	0	0.19
	807	92	114	93	0	0.10
	809	92	105	88	0	0.13
	811	93	86	98	0	0.17
	813	93	181	183	0	0.11
	815	93	84	144	0	0.11
	817	93	120	121	0	0.16
	819	93	107	86	0	0.09

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	0.03	6.0	75	3.9
	103	92	0.03	5.9	89	3.9
	105	92	0.02	5.4	94	3.4
	107	92	0.04	6.0	115	3.2
	109	92	0.04	6.9	71	4.0
	111	93	0.03	6.2	83	4.0
	113	93	0.03	6.0	114	3.8
	115	93	0.04	6.1	65	3.9
	117	93	0.03	5.8	117	3.6
	119	93	0.04	5.9	83	3.7
NT120M	201	92	0.03	5.7	87	3.8
	203	92	0.03	6.0	74	4.1
	205	92	0.07	5.1	47	3.5
	207	92	0.03	6.2	112	4.0
	209	92	0.05	6.1	103	4.0
	211	93	0.02	5.7	74	3.8
	213	93	0.01	5.8	66	3.7
	215	93	0.02	5.9	78	3.8
	217	93	0.03	5.8	117	3.6
	219	93	0.03	6.8	86	4.4
B6M	301	92	0.03	6.0	69	3.7
	303	92	0.09	5.9	111	3.8
	305	92	0.03	5.6	69	3.7
	307	92	0.02	6.6	107	3.7
	309	92	0.04	5.8	88	3.8
	311	93	0.03	6.1	87	3.9
	313	93	0.02	5.9	90	3.6
	315	93	0.03	6.2	61	3.8
	317	93	0.05	5.7	125	3.7

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	319	93	0.03	5.5	107	3.6
	401	92	0.04	3.5	112	2.4
B60M	403	92	0.04	6.1	95	3.5
	405	92	0.02	6.1	70	3.8
	407	92	0.03	6.1	107	3.5
	409	92	0.04	6.0	75	3.9
	411	93	0.02	6.5	61	4.4
	413	93	0.03	5.9	82	3.8
	415	93	0.02	5.8	69	3.8
	417	93	0.03	5.9	62	3.9
	419	93	0.02	5.4	66	3.5
B120M	501	92	0.03	5.5	67	3.7
	503	92	0.02	6.2	78	3.8
	505	92	0.05	5.3	43	3.9
	507	92	0.03	5.7	85	3.8
	509	92	0.02	5.8	131	3.8
	511	93	0.02	5.4	72	3.7
	513	93	0.03	5.4	69	3.7
	515	93	0.03	5.5	90	3.7
	517	93	0.02	5.6	115	3.7
	519	93	0.04	5.8	85	3.9
E6M	601	92	0.03	6.1	85	3.6
	603	92	0.04	5.9	88	3.5
	605	92	0.04	6.7	115	4.0
	607	92	0.03	5.9	135	3.8
	609	92	0.03	6.2	84	3.9
	611	93	0.03	6.1	81	3.8
	613	93	0.03	6.0	77	3.8
	615	93	0.02	5.5	83	3.4

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	617	93	0.04	5.6	145	3.7
	619	93	0.03	5.8	107	3.5
E60M	701	92	0.04	5.9	109	3.8
	703	92	0.04	5.7	85	3.5
	705	92	0.03	5.9	98	3.8
	707	92	0.04	6.2	141	3.8
	709	92	0.03	5.6	96	3.7
	711	93	0.01	5.9	63	3.6
	713	93	0.02	6.2	80	3.5
	715	93	0.04	5.9	88	3.6
	717	93	0.02	6.3	98	3.7
	719	93	0.02	6.3	74	3.6
E120M	801	92	0.03	6.3	60	4.2
	803	92	0.03	5.9	65	3.1
	805	92	0.05	5.2	110	3.7
	807	92	0.03	NT*	101	3.3
	809	92	0.03	5.9	104	3.9
	811	93	0.02	5.8	110	3.9
	813	93	0.03	6.0	107	4.1
	815	93	0.02	6.2	75	4.0
	817	93	0.02	6.0	75	3.7
	819	93	0.02	5.3	68	3.8

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	2.1	1.86	21	0.4
	103	92	2.0	1.95	21	0.5
	105	92	2.0	1.70	29	0.4
	107	92	2.8	1.14	19	0.4
	109	92	2.9	1.38	15	0.5
	111	93	2.2	1.82	30	0.5
	113	93	2.2	1.73	17	0.5
	115	93	2.2	1.77	19	0.5
	117	93	2.2	1.64	15	0.4
	119	93	2.2	1.68	25	0.4
NT120M	201	92	1.9	2.00	25	0.5
	203	92	1.9	2.16	41	0.5
	205	92	1.6	2.19	39	0.4
	207	92	2.2	1.82	27	0.5
	209	92	2.1	1.90	23	0.5
	211	93	1.9	2.00	21	0.4
	213	93	2.1	1.76	18	0.4
	215	93	2.1	1.81	24	0.4
	217	93	2.2	1.64	24	0.4
	219	93	2.4	1.83	22	0.5
B6M	301	92	2.3	1.61	18	0.5
	303	92	2.1	1.81	27	0.5
	305	92	1.9	1.95	22	0.4
	307	92	2.9	1.28	19	0.5
	309	92	2.0	1.90	18	0.5
	311	93	2.2	1.77	20	0.4
	313	93	2.3	1.57	21	0.5
	315	93	2.4	1.58	20	0.4
	317	93	2.0	1.85	17	0.4

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	319	93	1.9	1.89	16	0.5
B60M	401	92	1.1	2.18	71	0.4
	403	92	2.6	1.35	26	0.4
	405	92	2.3	1.65	30	0.4
	407	92	2.6	1.35	26	0.4
	409	92	2.1	1.86	31	0.5
	411	93	2.1	2.10	27	0.5
	413	93	2.1	1.81	21	0.4
	415	93	2.0	1.90	22	0.4
	417	93	2.0	1.95	19	0.4
	419	93	1.9	1.84	21	0.4
B120M	501	92	1.8	2.06	39	0.5
	503	92	2.4	1.58	21	0.5
	505	92	1.4	2.79	50	0.4
	507	92	1.9	2.00	25	0.4
	509	92	2.0	1.90	23	0.5
	511	93	1.7	2.18	20	0.4
	513	93	1.7	2.18	45	0.4
	515	93	1.8	2.06	23	0.5
	517	93	1.9	1.95	24	0.5
	519	93	1.9	2.05	29	0.4
E6M	601	92	2.5	1.44	23	0.5
	603	92	2.4	1.46	18	0.5
	605	92	2.7	1.48	25	0.5
	607	92	2.1	1.81	24	0.5
	609	92	2.3	1.70	19	0.5
	611	93	2.3	1.65	32	0.4
	613	93	2.2	1.73	24	0.4
	615	93	2.1	1.62	16	0.4

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	617	93	1.9	1.95	29	0.4
	619	93	2.3	1.52	24	0.4
E60M	701	92	2.1	1.81	30	0.5
	703	92	2.2	1.59	30	0.4
	705	92	2.1	1.81	26	0.4
	707	92	2.4	1.58	23	0.5
	709	92	1.9	1.95	25	0.4
	711	93	2.3	1.57	29	0.5
	713	93	2.7	1.30	20	0.4
	715	93	2.3	1.57	50	0.5
	717	93	2.6	1.42	20	0.4
	719	93	2.7	1.33	31	0.4
E120M	801	92	2.1	2.00	21	0.5
	803	92	2.8	1.11	46	0.4
	805	92	1.5	2.47	25	0.4
	807	92	NT*	NT*	NT*	0.4
	809	92	2.0	1.95	28	0.4
	811	93	1.9	2.05	34	0.5
	813	93	1.9	2.16	41	0.5
	815	93	2.2	1.82	23	0.4
	817	93	2.3	1.61	24	0.5
	819	93	1.5	2.53	22	0.4

* NT = Not taken; quantity not sufficient for analysis.

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	89	95	0	0.12
	153	93	85	123	0	0.08
	155	93	77	77	0	0.14
	157	93	89	112	0	0.09
	159	93	89	120	0	0.08
	161	94	84	186	0	0.11
	163	94	87	124	0	0.07
	165	94	71	111	0	0.08
	167	94	86	121	0	0.11
	169	94	106	95	0	0.16
NT120F	251	93	115	140	0	0.14
	253	93	125	378	0	0.13
	255	93	75	452	0	0.17
	257	93	98	83	0	0.12
	259	93	75	84	0	0.09
	261	94	111	167	0	0.13
	263	94	107	220	0	0.13
	265	94	78	140	0	0.13
	267	94	64	245	0	0.13
	269	94	113	81	0	0.10
B6F	351	93	20	149	0	0.09
	353	93	125	88	0	0.15
	355	93	61	119	0	0.11
	357	93	102	104	0	0.13
	359	93	69	100	0	0.10
	361	94	72	162	0	0.07
	363	94	122	100	0	0.09
	365	94	67	116	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)
B6F	367	94	84	109	0	0.09
	369	94	61	81	0	0.10
B60F	451	93	80	155	0	0.09
	453	93	108	332	0	0.16
	455	93	88	128	0	0.12
	457	93	102	138	0	0.14
	459	93	71	91	0	0.10
	461	94	60	332	0	0.11
	463	94	95	129	0	0.09
	465	94	87	113	0	0.07
	467	94	69	84	0	0.12
	469	94	101	96	0	0.10
B120F	551	93	95	584	0	0.13
	553	93	84	437	0	0.11
	555	93	71	117	0	0.13
	557	93	84	322	0	0.10
	559	93	88	119	0	0.06
	561	94	87	474	0	0.08
	563	94	116	180	0	0.09
	565	94	90	226	0	0.11
	567	94	75	99	0	0.08
	569	94	72	86	0	0.08
E6F	651	93	61	124	0	0.11
	653	93	107	157	0	0.13
	655	93	66	180	0	0.17
	657	93	69	88	0	0.12
	659	93	109	131	0	0.12
	661	94	104	151	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	663	94	119	147	0	0.12
	665	94	100	345	0	0.09
	667	94	87	97	0	0.11
	669	94	82	120	0	0.08
E60F	751	93	74	169	0	0.10
	753	93	101	87	0	0.12
	755	93	46	238	0	0.13
	757	93	72	151	0	0.09
	759	93	117	124	0	0.08
	761	94	87	246	0	0.11
	763	94	95	152	0	0.07
	765	94	101	113	0	0.11
	767	94	88	148	0	0.12
	769	94	86	125	0	0.07
E120F	851	93	71	176	0	0.09
	853	93	65	183	0	0.13
	855	93	95	138	0	0.13
	857	93	62	147	0	0.06
	859	93	79	97	0	0.10
	861	94	65	110	0	0.11
	863	94	105	593	0	0.11
	865	94	70	113	0	0.06
	867	94	71	141	0	0.14
	869	94	85	124	0	0.05

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	0.04	5.7	62	3.9
	153	93	0.02	5.6	57	4.0
	155	93	0.03	5.4	66	3.8
	157	93	0.03	6.6	81	4.2
	159	93	0.03	6.1	111	4.0
	161	94	0.04	6.3	52	4.4
	163	94	0.03	6.2	62	4.2
	165	94	0.03	5.7	65	4.1
	167	94	0.04	5.6	79	4.1
	169	94	0.05	6.1	84	4.2
NT120F	251	93	0.02	5.8	75	3.8
	253	93	0.02	6.0	59	4.2
	255	93	0.04	5.4	82	3.8
	257	93	0.04	5.9	75	4.0
	259	93	0.02	5.3	75	3.8
	261	94	0.03	5.9	53	4.2
	263	94	0.03	6.2	106	4.2
	265	94	0.04	5.8	63	4.1
	267	94	0.04	5.5	88	3.9
	269	94	0.03	5.8	71	3.9
B6F	351	93	0.02	5.5	62	3.7
	353	93	0.03	6.2	77	4.2
	355	93	0.03	5.6	59	4.0
	357	93	0.03	5.7	86	3.9
	359	93	0.03	5.9	54	4.0
	361	94	0.02	6.4	51	4.4
	363	94	0.02	6.5	72	4.4
	365	94	0.04	5.9	57	4.1
	367	94	0.04	6.3	77	4.2

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	369	94	0.04	6.0	64	4.3
	451	93	0.03	5.9	50	4.1
B60F	453	93	0.04	5.8	121	4.1
	455	93	0.03	5.9	57	3.9
	457	93	0.04	5.8	110	4.0
	459	93	0.02	5.8	69	3.9
	461	94	0.05	6.1	79	4.2
	463	94	0.03	6.7	66	4.3
	465	94	0.03	6.0	69	4.2
	467	94	0.04	5.8	73	4.1
	469	94	0.04	6.4	55	4.6
	551	93	0.03	5.9	99	4.1
B120F	553	93	0.03	4.9	69	3.5
	555	93	0.02	5.9	59	4.2
	557	93	0.04	5.1	65	3.6
	559	93	0.02	5.5	91	3.9
	561	94	0.02	5.7	54	4.0
	563	94	0.02	5.8	72	4.0
	565	94	0.04	5.5	69	3.9
	567	94	0.03	5.7	63	4.0
	569	94	0.02	5.5	44	3.8
	651	93	0.02	6.0	63	4.1
E6F	653	93	0.03	6.3	55	4.2
	655	93	0.04	6.1	86	4.2
	657	93	0.04	5.8	105	4.1
	659	93	0.03	6.1	63	3.9
	661	94	0.04	5.8	69	4.1
	663	94	0.04	6.2	68	4.0
	665	94	0.03	5.6	54	3.6

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	667	94	0.04	5.8	76	4.0
	669	94	0.03	5.6	53	3.7
E60F	751	93	0.02	6.5	109	4.3
	753	93	0.01	5.6	59	3.9
	755	93	0.02	5.8	73	3.9
	757	93	0.02	6.1	64	4.2
	759	93	0.03	6.9	66	4.4
	761	94	0.05	6.3	80	4.4
	763	94	0.03	6.4	56	4.2
	765	94	0.03	6.4	75	4.3
	767	94	0.05	5.9	79	4.1
	769	94	0.03	6.0	105	4.2
E120F	851	93	0.02	5.4	56	4.0
	853	93	0.04	5.4	63	3.9
	855	93	0.02	6.1	56	4.2
	857	93	0.02	5.5	74	3.8
	859	93	0.03	5.8	77	3.7
	861	94	0.04	5.5	70	4.1
	863	94	0.04	6.3	96	4.0
	865	94	0.03	5.8	67	3.9
	867	94	0.04	6.1	70	4.0
	869	94	0.03	6.2	67	4.3

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	1.8	2.17	17	0.5
	153	93	1.6	2.50	16	0.4
	155	93	1.6	2.38	14	0.4
	157	93	2.4	1.75	18	0.5
	159	93	2.1	1.90	12	0.5
	161	94	1.9	2.32	14	0.4
	163	94	2.0	2.10	15	0.4
	165	94	1.6	2.56	18	0.4
	167	94	1.5	2.73	18	0.5
	169	94	1.9	2.21	16	0.4
NT120F	251	93	2.0	1.90	19	0.4
	253	93	1.8	2.33	16	0.4
	255	93	1.6	2.38	33	0.4
	257	93	1.9	2.11	17	0.5
	259	93	1.5	2.53	14	0.4
	261	94	1.7	2.47	15	0.4
	263	94	2.0	2.10	17	0.4
	265	94	1.7	2.41	19	0.4
	267	94	1.6	2.44	20	0.5
	269	94	1.9	2.05	17	0.4
B6F	351	93	1.8	2.06	16	0.4
	353	93	2.0	2.10	12	0.4
	355	93	1.6	2.50	16	0.4
	357	93	1.8	2.17	14	0.4
	359	93	1.9	2.11	11	0.4
	361	94	2.0	2.20	17	0.5
	363	94	2.1	2.10	16	0.5
	365	94	1.8	2.28	18	0.5
	367	94	2.1	2.00	14	0.5

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	369	94	1.7	2.53	20	0.5
	451	93	1.8	2.28	19	0.4
B60F	453	93	1.7	2.41	24	0.4
	455	93	2.0	1.95	14	0.4
	457	93	1.8	2.22	20	0.5
	459	93	1.9	2.05	15	0.4
	461	94	1.9	2.21	20	0.5
	463	94	2.4	1.79	18	0.4
	465	94	1.8	2.33	15	0.4
	467	94	1.7	2.41	16	0.4
	469	94	1.8	2.56	12	0.5
B120F	551	93	1.8	2.28	25	0.5
	553	93	1.4	2.50	16	0.4
	555	93	1.7	2.47	20	0.4
	557	93	1.5	2.40	22	0.5
	559	93	1.6	2.44	16	0.4
	561	94	1.7	2.35	23	0.5
	563	94	1.8	2.22	13	0.4
	565	94	1.6	2.44	24	0.4
	567	94	1.7	2.35	19	0.5
	569	94	1.7	2.24	13	0.4
E6F	651	93	1.9	2.16	15	0.4
	653	93	2.1	2.00	18	0.5
	655	93	1.9	2.21	15	0.5
	657	93	1.7	2.41	13	0.5
	659	93	2.2	1.77	10	0.5
	661	94	1.7	2.41	18	0.4
	663	94	2.2	1.82	16	0.5
	665	94	2.0	1.80	13	0.4

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	667	94	1.8	2.22	9	0.5
	669	94	1.9	1.95	15	0.4
E60F	751	93	2.2	1.95	22	0.5
	753	93	1.7	2.29	18	0.4
	755	93	1.9	2.05	19	0.4
	757	93	1.9	2.21	12	0.4
	759	93	2.5	1.76	23	0.5
	761	94	1.9	2.32	21	0.5
	763	94	2.2	1.91	20	0.5
	765	94	2.1	2.05	16	0.4
	767	94	1.8	2.28	14	0.4
	769	94	1.8	2.33	18	0.5
E120F	851	93	1.4	2.86	20	0.5
	853	93	1.5	2.60	17	0.4
	855	93	1.9	2.21	15	0.4
	857	93	1.7	2.24	17	0.4
	859	93	2.1	1.76	18	0.4
	861	94	1.4	2.93	20	0.4
	863	94	2.3	1.74	24	0.4
	865	94	1.9	2.05	19	0.4
	867	94	2.1	1.90	21	0.5
	869	94	1.9	2.26	16	0.5

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	66	73	10.5	8.0
	153	93	80	177	9.9	9.4
	155	93	46	98	10.2	8.5
	157	93	104	130	10.8	8.7
	159	93	46	63	10.0	8.3
	161	94	41	75	10.6	9.6
	163	94	132	165	10.6	9.0
	165	94	50	113	10.5	8.1
	167	94	109	139	10.5	8.9
	169	94	41	85	10.5	8.5
NT120F	251	93	67	173	10.1	9.7
	253	93	46	146	10.5	8.7
	255	93	11	121	9.6	8.0
	257	93	68	131	10.0	7.4
	259	93	42	137	10.0	8.1
	261	94	40	117	10.3	9.7
	263	94	34	147	10.3	7.6
	265	94	44	107	10.5	7.3
	267	94	48	106	9.8	7.2
	269	94	57	170	10.3	8.9
B6F	351	93	63	112	9.9	8.5
	353	93	43	119	11.1	9.0
	355	93	38	161	10.2	8.9
	357	93	56	93	10.3	6.8
	359	93	55	96	10.5	9.1
	361	94	95	157	10.9	9.4
	363	94	57	136	10.8	9.0
	365	94	77	176	10.5	7.8
	367	94	53	161	10.1	7.5

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	369	94	80	128	10.5	9.1
	451	93	46	138	10.6	10.1
B60F	453	93	28	86	9.9	6.8
	455	93	46	168	10.8	9.5
	457	93	45	132	9.8	6.8
	459	93	54	113	10.2	9.3
	461	94	57	119	10.1	7.9
	463	94	56	203	10.9	8.4
	465	94	50	144	10.5	NT*
	467	94	45	47	9.4	7.8
	469	94	45	60	10.7	9.3
B120F	551	93	26	117	10.2	8.9
	553	93	53	122	9.7	8.8
	555	93	37	94	10.4	9.2
	557	93	50	91	10.1	7.6
	559	93	64	116	10.0	8.0
	561	94	51	129	10.3	10.6
	563	94	30	111	10.4	8.5
	565	94	50	87	9.9	10.1
	567	94	68	143	10.0	7.8
	569	94	37	116	10.4	8.8
E6F	651	93	60	139	11.0	9.8
	653	93	49	148	10.3	8.8
	655	93	74	129	10.5	8.5
	657	93	43	105	10.1	8.1
	659	93	69	140	10.3	8.5
	661	94	42	95	9.9	9.3
	663	94	48	168	10.6	7.5
	665	94	44	120	10.3	8.8

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)
E6F	667	94	94	89	9.9	7.5
	669	94	54	104	10.4	9.7
E60F	751	93	48	168	10.1	8.0
	753	93	40	109	10.4	8.8
	755	93	46	146	11.1	10.1
	757	93	59	107	10.1	7.4
	759	93	103	180	11.1	9.4
	761	94	57	110	10.5	8.2
	763	94	73	159	10.5	9.5
	765	94	49	112	11.1	9.1
	767	94	46	122	9.7	7.6
	769	94	47	90	10.0	7.7
E120F	851	93	44	138	10.3	9.9
	853	93	37	112	9.9	7.8
	855	93	41	131	10.5	8.8
	857	93	38	166	10.3	8.7
	859	93	42	102	10.5	9.9
	861	94	49	89	10.2	7.4
	863	94	22	119	10.1	7.7
	865	94	62	91	10.1	9.4
	867	94	67	129	10.2	8.4
	869	94	49	94	10.1	7.9

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	156	7.3	113
	153	93	151	6.9	107
	155	93	155	7.1	114
	157	93	151	7.2	109
	159	93	155	6.5	113
	161	94	154	7.0	110
	163	94	150	6.9	105
	165	94	151	7.6	108
	167	94	149	6.6	107
	169	94	151	8.0	111
NT120F	251	93	153	7.2	113
	253	93	159	6.8	116
	255	93	152	6.8	119
	257	93	153	7.2	111
	259	93	155	7.1	111
	261	94	154	7.0	113
	263	94	152	6.9	112
	265	94	152	5.7	114
	267	94	154	7.7	113
	269	94	154	7.6	113
B6F	351	93	149	7.4	107
	353	93	153	7.0	108
	355	93	153	7.4	110
	357	93	154	6.7	113
	359	93	154	7.3	111
	361	94	153	6.6	113
	363	94	150	7.3	106
	365	94	151	7.4	109
	367	94	154	6.0	116

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

Group	Animal ID	Day	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
B6F	369	94	152	7.3	106
	451	93	152	6.9	111
B60F	453	93	152	6.3	113
	455	93	153	6.7	110
	457	93	153	6.5	114
	459	93	153	6.7	112
	461	94	153	6.5	113
	463	94	152	7.2	111
	465	94	150	7.1	109
	467	94	153	7.0	115
	469	94	155	8.2	111
B120F	551	93	155	7.1	115
	553	93	153	6.3	109
	555	93	153	6.8	111
	557	93	154	6.5	116
	559	93	156	6.7	114
	561	94	152	6.7	109
	563	94	154	7.0	110
	565	94	154	7.1	115
	567	94	154	6.8	115
	569	94	155	7.4	115
E6F	651	93	153	7.4	112
	653	93	152	6.6	110
	655	93	151	7.3	110
	657	93	154	7.3	115
	659	93	154	6.9	113
	661	94	152	6.1	112
	663	94	152	7.4	110
	665	94	152	7.3	111

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

Group	Animal ID	Day	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
E6F	667	94	154	6.7	112
	669	94	155	6.8	113
E60F	751	93	153	6.3	113
	753	93	153	6.8	110
	755	93	153	6.8	108
	757	93	155	6.5	113
	759	93	156	6.9	114
	761	94	153	6.4	111
	763	94	152	7.0	111
	765	94	153	7.9	110
	767	94	153	6.4	111
	769	94	154	6.8	116
E120F	851	93	155	7.6	112
	853	93	154	6.6	111
	855	93	153	7.2	111
	857	93	155	6.6	111
	859	93	154	7.5	113
	861	94	157	7.3	115
	863	94	152	6.5	113
	865	94	155	6.4	115
	867	94	148	7.7	110
	869	94	155	6.7	114

* NT = Not taken.

Table C-15. Individual Animal Urinalysis Data – Males

Group	Animal		Appearance	Color	Glucose	pH	Protein
	ID	Day					
CM	101	92	Hazy	Yellow	Negative	6.5	~30 mg/dL
	102	92	Hazy	Straw	Negative	6.0	Negative, Trace
	103	92	Clear	Yellow	Negative	6.5	Negative, Trace
	105	92	Clear	Yellow	Negative	7.5	~30 mg/dL
	111	93	Clear	Yellow	Negative	7.0	Negative, Trace
	112	93	Clear	Straw	Negative	7.0	Negative, Trace
	113	93	Clear	Yellow	Negative	6.0	Negative, Trace
	114	93	Clear	Yellow	Negative	7.0	Negative, Trace
	115	93	Clear	Yellow	Negative	7.0	Negative, Trace
NT120M	201	92	Clear	Yellow	Negative	5.5	Negative, Trace
	202	92	Hazy	Yellow	Negative	6.0	Negative, Trace
	203	92	Clear	Yellow	Negative	6.0	Negative, Trace
	204	92	Hazy	Yellow	Negative	6.5	Negative, Trace
	205	92	Clear	Straw	Negative	6.5	Negative, Trace
	211	93	Clear	Yellow	Negative	6.5	Negative, Trace
	212	93	Clear	Yellow	Negative	6.5	Negative, Trace
	213	93	Clear	Yellow	Negative	6.5	Negative, Trace
	214	93	Clear	Yellow	Negative	6.0	Negative, Trace
	215	93	Clear	Straw	Negative	7.0	Negative, Trace
B6M	301	92	Hazy	Straw	Negative	6.5	Negative, Trace
	302	92	Hazy	Yellow	Negative	6.5	~30 mg/dL
	303	92	Hazy	Yellow	Negative	6.0	Negative, Trace
	304	92	Hazy	Yellow	Negative	6.5	~30 mg/dL
	305	92	Clear	Yellow	Negative	7.0	Negative, Trace
	311	93	Clear	Yellow	Negative	6.5	Negative, Trace
	312	93	Clear	Yellow	Negative	7.0	Negative, Trace
	313	93	Clear	Yellow	Negative	7.0	~30 mg/dL
	314	93	Clear	Yellow	Negative	7.0	Negative, Trace
	315	93	Clear	Yellow	Negative	6.5	Negative, Trace

Table C-15. Individual Animal Urinalysis Data – Males

Group	Animal ID	Day	Appearance	Color	Glucose	pH	Protein
B60M	401	92	Hazy	Yellow	Negative	7.0	Negative, Trace
	402	92	Hazy	Straw	Negative	5.5	Negative, Trace
	403	92	Clear	Yellow	Negative	6.0	Negative, Trace
	404	92	Hazy	Yellow	Negative	6.0	Negative, Trace
	405	92	Clear	Yellow	Negative	6.0	Negative, Trace
	412	93	Clear	Straw	Negative	6.0	Negative, Trace
	413	93	Clear	Yellow	Negative	6.5	Negative, Trace
	414	93	Clear	Yellow	Negative	6.0	Negative, Trace
	415	93	Clear	Yellow	Negative	7.0	Negative, Trace
B120M	501	92	Hazy	Yellow	Negative	6.0	Negative, Trace
	502	92	Hazy	Yellow	Negative	6.0	Negative, Trace
	503	92	Clear	Yellow	Negative	6.0	Negative, Trace
	504	92	Hazy	Yellow	Negative	6.0	Negative, Trace
	505	92	Hazy	Straw	Negative	6.5	Negative, Trace
	511	93	Clear	Straw	Negative	6.0	Negative, Trace
	512	93	Clear	Yellow	Negative	6.5	Negative, Trace
	513	93	Clear	Straw	Negative	6.5	Negative, Trace
	514	93	Clear	Yellow	Negative	6.0	Negative, Trace
	515	93	Clear	Yellow	Negative	6.5	Negative, Trace
E6M	601	92	Hazy	Yellow	Negative	7.0	~30 mg/dL
	602	92	Hazy	Yellow	Negative	7.0	Negative, Trace
	603	92	Clear	Yellow	Negative	7.0	~30 mg/dL
	604	92	Clear	Yellow	Negative	7.0	Negative, Trace
	605	92	Clear	Yellow	Negative	6.5	Negative, Trace
	611	93	Clear	Yellow	Negative	7.0	Negative, Trace
	612	93	Clear	Yellow	Negative	6.5	Negative, Trace
	613	93	Clear	Yellow	Negative	6.5	~30 mg/dL
	614	93	Clear	Yellow	Negative	7.0	Negative, Trace
	615	93	Clear	Yellow	Negative	7.0	Negative, Trace

Table C-15. Individual Animal Urinalysis Data – Males

Group	Animal		Appearance	Color	Glucose	pH	Protein
	ID	Day					
E60M	701	92	Hazy	Yellow	Negative	6.0	Negative, Trace
	702	92	Clear	Yellow	Negative	6.0	Negative, Trace
	704	92	Clear	Yellow	Negative	6.5	Negative, Trace
	705	92	Clear	Straw	Negative	6.0	Negative, Trace
	711	93	Clear	Yellow	Negative	6.5	Negative, Trace
	712	93	Clear	Yellow	Negative	6.5	Negative, Trace
	713	93	Clear	Yellow	Negative	6.5	Negative, Trace
	715	93	Clear	Yellow	Negative	6.0	Negative, Trace
E120M	801	92	Hazy	Straw	Negative	6.5	Negative, Trace
	802	92	Clear	Straw	Negative	5.5	Negative, Trace
	803	92	Clear	Straw	Negative	6.5	Negative, Trace
	804	92	Clear	Yellow	Negative	5.5	Negative, Trace
	805	92	Clear	Yellow	Negative	6.0	Negative, Trace
	811	93	Clear	Yellow	Negative	7.0	Negative, Trace
	812	93	Clear	Yellow	Negative	6.0	Negative, Trace
	813	93	Clear	Yellow	Negative	5.5	Negative, Trace
	814	93	Clear	Yellow	Negative	6.5	Negative, Trace
	815	93	Clear	Yellow	Negative	6.0	Negative, Trace

Table C-16. Individual Animal Urinalysis Data – Females

Group	Animal		Appearance	Color	Glucose	pH	Protein
	ID	Day					
CF	151	93	Clear	Straw	Negative	6.5	Negative, Trace
	152	93	Clear	Straw	Negative	7.0	Negative, Trace
	153	93	Clear	Straw	Negative	6.5	Negative, Trace
	154	93	Clear	Straw	Negative	7.0	Negative, Trace
	155	93	Clear	Yellow	Negative	6.5	Negative, Trace
	162	94	Clear	Yellow	Negative	6.5	Negative, Trace
	163	94	Clear	Straw	Negative	6.5	Negative, Trace
	164	94	Clear	Straw	Negative	5.5	Negative, Trace
	165	94	Clear	Straw	Negative	6.5	Negative, Trace
NT120F	251	93	Clear	Straw	Negative	5.5	Negative, Trace
	252	93	Clear	Straw	Negative	6.5	Negative, Trace
	253	93	Clear	Straw	Negative	6.0	Negative, Trace
	254	93	Clear	Straw	Negative	7.0	Negative, Trace
	255	93	Clear	Yellow	Negative	6.5	Negative, Trace
	261	94	Clear	Straw	Negative	6.0	Negative, Trace
	262	94	Clear	Straw	Negative	6.0	Negative, Trace
	263	94	Clear	Straw	Negative	6.5	Negative, Trace
	264	94	Clear	Straw	Negative	6.0	Negative, Trace
	265	94	Clear	Straw	Negative	7.0	Negative, Trace
B6F	351	93	Clear	Yellow	Negative	6.5	Negative, Trace
	352	93	Clear	Straw	Negative	6.5	Negative, Trace
	353	93	Clear	Straw	Negative	5.5	Negative, Trace
	354	93	Clear	Straw	Negative	7.5	Negative, Trace
	355	93	Clear	Yellow	Negative	7.0	Negative, Trace
	361	94	Clear	Straw	Negative	6.0	Negative, Trace
	362	94	Clear	Yellow	Negative	7.0	Negative, Trace
	363	94	Clear	Yellow	Negative	7.0	Negative, Trace
	364	94	Clear	Straw	Negative	6.5	Negative, Trace
	365	94	Clear	Yellow	Negative	6.0	Negative, Trace

Table C-16. Individual Animal Urinalysis Data – Females

Group	Animal ID	Day	Appearance	Color	Glucose	pH	Protein
B60F	451	93	Clear	Yellow	Negative	6.0	Negative, Trace
	452	93	Clear	Yellow	Negative	5.5	Negative, Trace
	453	93	Clear	Straw	Negative	6.0	Negative, Trace
	454	93	Clear	Yellow	Negative	6.5	Negative, Trace
	455	93	Clear	Yellow	Negative	6.5	Negative, Trace
	461	94	Clear	Yellow	Negative	6.5	Negative, Trace
	462	94	Clear	Straw	Negative	7.0	Negative, Trace
	463	94	Clear	Straw	Negative	6.0	Negative, Trace
	464	94	Clear	Straw	Negative	6.5	Negative, Trace
	465	94	Clear	Straw	Negative	6.5	Negative, Trace
B120F	551	93	Clear	Yellow	Negative	6.5	Negative, Trace
	552	93	Clear	Yellow	Negative	6.5	Negative, Trace
	553	93	Clear	Yellow	Negative	6.0	Negative, Trace
	554	93	Clear	Straw	Negative	5.5	Negative, Trace
	555	93	Clear	Yellow	Negative	6.5	Negative, Trace
	561	94	Clear	Straw	Negative	6.5	Negative, Trace
	562	94	Clear	Straw	Negative	6.0	Negative, Trace
	563	94	Clear	Yellow	Negative	6.0	Negative, Trace
	564	94	Clear	Yellow	Negative	6.0	Negative, Trace
	565	94	Clear	Yellow	Negative	6.0	Negative, Trace
E6F	651	93	Clear	Yellow	Negative	6.5	Negative, Trace
	652	93	Clear	Straw	Negative	6.5	Negative, Trace
	653	93	Clear	Straw	Negative	6.0	Negative, Trace
	654	93	Clear	Straw	Negative	6.5	Negative, Trace
	655	93	Clear	Yellow	Negative	7.0	Negative, Trace
	661	94	Clear	Straw	Negative	6.0	Negative, Trace
	662	94	Clear	Yellow	Negative	6.5	Negative, Trace
	663	94	Clear	Straw	Negative	7.0	Negative, Trace
	664	94	Clear	Straw	Negative	6.5	Negative, Trace

Table C-16. Individual Animal Urinalysis Data – Females

Group	Animal		Appearance	Color	Glucose	pH	Protein
	ID	Day					
E6F	665	94	Clear	Straw	Negative	7.0	Negative, Trace
	751	93	Clear	Yellow	Negative	6.5	Negative, Trace
E60F	752	93	Hazy	Yellow	Negative	6.5	Negative, Trace
	753	93	Clear	Yellow	Negative	7.0	Negative, Trace
	754	93	Clear	Straw	Negative	5.5	Negative, Trace
	755	93	Clear	Straw	Negative	6.0	Negative, Trace
	761	94	Clear	Straw	Negative	6.5	Negative, Trace
	763	94	Clear	Straw	Negative	6.0	Negative, Trace
	764	94	Clear	Straw	Negative	6.5	Negative, Trace
	765	94	Clear	Straw	Negative	7.0	Negative, Trace
E120F	851	93	Clear	Yellow	Negative	6.5	Negative, Trace
	852	93	Clear	Yellow	Negative	7.0	Negative, Trace
	853	93	Clear	Yellow	Negative	6.5	Negative, Trace
	854	93	Clear	Straw	Negative	5.5	Negative, Trace
	855	93	Clear	Yellow	Negative	7.0	Negative, Trace
	861	94	Clear	Straw	Negative	6.5	Negative, Trace
	862	94	Clear	Straw	Negative	6.0	Negative, Trace
	863	94	Clear	Straw	Negative	6.5	Negative, Trace
	864	94	Clear	Straw	Negative	7.0	Negative, Trace
	865	94	Clear	Straw	Negative	6.5	Negative, Trace

Table C-17. Individual Animal Urine Chemistry Data – Males

Group	Animal ID	Day	Specific Gravity	Urine Volume (mL)
CM	101	92	1.033	1.0
	102	92	1.007	8.6
	103	92	1.012	4.0
	105	92	1.017	2.0
	111	93	1.019	3.5
	112	93	1.011	3.0
	113	93	1.015	4.0
	114	93	1.014	5.0
	115	93	1.011	1.0
NT120M	201	92	1.010	5.8
	202	92	1.015	4.0
	203	92	1.022	1.9
	204	92	1.020	2.1
	205	92	1.010	1.5
	211	93	1.014	4.0
	212	93	1.010	5.5
	213	93	1.021	2.5
	214	93	1.010	4.0
	215	93	1.013	1.5
B6M	301	92	1.006	12.4
	302	92	1.023	2.2
	303	92	1.020	3.3
	304	92	1.030	1.5
	305	92	1.010	6.4
	311	93	1.012	4.5
	312	93	1.008	2.5
	313	93	1.019	2.5
	314	93	1.012	5.5
	315	93	1.018	3.5

Table C-17. Individual Animal Urine Chemistry Data – Males

Group	Animal ID	Day	Specific Gravity	Urine Volume (mL)
B60M	401	92	1.028	0.4
	402	92	1.010	5.4
	403	92	NT*	0.1
	404	92	1.012	3.6
	405	92	1.024	2.1
	412	93	1.010	5.5
	413	93	1.012	3.5
	414	93	1.009	1.0
	415	93	1.011	6.0
B120M	501	92	1.018	3.0
	502	92	1.015	2.6
	503	92	1.011	5.6
	504	92	1.019	2.1
	505	92	1.006	9.1
	511	93	1.013	4.5
	512	93	1.009	6.5
	513	93	1.013	1.5
	514	93	1.008	6.0
	515	93	1.009	6.0
E6M	601	92	1.023	1.5
	602	92	1.016	2.0
	603	92	1.021	2.6
	604	92	1.011	1.8
	605	92	1.048	0.1
	611	93	1.024	0.3
	612	93	1.006	15.0
	613	93	1.026	1.0
	614	93	1.014	5.5
	615	93	1.011	2.5

Table C-17. Individual Animal Urine Chemistry Data – Males

Group	Animal ID	Day	Specific Gravity	Urine Volume (mL)
E60M	701	92	1.030	1.3
	702	92	1.015	1.9
	704	92	1.012	4.3
	705	92	1.010	5.9
	711	93	1.009	7.0
	712	93	1.005	23.0
	713	93	1.015	5.5
	715	93	1.008	6.5
E120M	801	92	1.011	5.1
	802	92	1.006	9.1
	803	92	1.009	5.7
	804	92	1.008	7.5
	805	92	1.010	6.0
	811	93	1.009	9.0
	812	93	1.011	7.5
	813	93	1.013	4.0
	814	93	1.003	17.5
	815	93	1.009	4.5

* NT = Not taken; quantity not sufficient for analysis.

Table C-18. Individual Animal Urine Chemistry Data – Females

Group	Animal ID	Day	Specific Gravity	Urine Volume (mL)
CF	151	93	1.005	2.7
	152	93	1.006	5.5
	153	93	1.004	9.1
	154	93	1.006	3.6
	155	93	1.006	5.5
	162	94	1.010	3.0
	163	94	1.006	7.5
	164	94	1.005	8.0
	165	94	1.007	1.5
NT120F	251	93	1.005	5.6
	252	93	1.015	0.5
	253	93	1.010	2.7
	254	93	1.006	3.1
	255	93	1.009	3.8
	261	94	1.006	5.0
	262	94	1.004	6.0
	263	94	1.008	4.5
	264	94	1.008	4.5
	265	94	1.002	19.0
B6F	351	93	1.009	3.5
	352	93	1.005	7.4
	353	93	1.005	6.2
	354	93	1.009	1.9
	355	93	1.019	1.5
	361	94	1.023	1.5
	362	94	1.007	1.5
	363	94	1.010	3.0
	364	94	1.006	7.0
	365	94	1.021	1.5

Table C-18. Individual Animal Urine Chemistry Data – Females

Group	Animal ID	Day	Specific Gravity	Urine Volume (mL)
B60F	451	93	1.012	1.4
	452	93	1.006	8.1
	453	93	1.005	8.1
	454	93	1.011	2.1
	455	93	1.012	3.0
	461	94	1.015	2.5
	462	94	1.009	3.0
	463	94	1.007	6.0
	464	94	1.018	1.5
	465	94	1.021	1.5
B120F	551	93	1.008	2.5
	552	93	1.010	2.8
	553	93	1.009	5.4
	554	93	1.006	6.3
	555	93	1.009	2.6
	561	94	1.011	3.0
	562	94	1.010	3.0
	563	94	1.009	3.0
	564	94	1.006	8.5
	565	94	1.004	7.5
E6F	651	93	1.012	3.0
	652	93	1.006	6.0
	653	93	1.005	4.5
	654	93	1.005	10.6
	655	93	1.010	4.6
	661	94	1.008	6.0
	662	94	1.012	3.0
	663	94	1.015	1.5
	664	94	1.004	13.5

Table C-18. Individual Animal Urine Chemistry Data – Females

Group	Animal ID	Day	Specific Gravity	Urine Volume (mL)
E6F	665	94	1.010	3.5
	751	93	1.016	1.5
E60F	752	93	1.014	2.5
	753	93	1.015	1.0
	754	93	1.005	8.0
	755	93	1.004	10.2
	761	94	1.008	4.5
	763	94	1.006	5.0
	764	94	1.010	1.5
	765	94	1.010	1.5
E120F	851	93	1.013	1.9
	852	93	1.014	2.0
	853	93	1.016	2.4
	854	93	1.006	5.6
	855	93	1.011	2.4
	861	94	1.017	1.5
	862	94	1.007	4.5
	863	94	1.007	6.0
	864	94	1.006	4.5
	865	94	1.009	3.0

Table C-19. 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	Rare	None
	102	92	None	None	None	Rare	None
	103	92	None	None	None	Rare	None
	105	92	None	None	None	Few	None
	111	93	None	Moderate	None	None	None
	112	93	None	Moderate	None	None	None
	113	93	None	Few	None	Few	None
	114	93	None	Many	None	None	None
	115	93	None	Few	None	None	None
NT120M	201	92	None	None	None	Rare	None
	202	92	None	None	None	Rare	None
	203	92	None	None	None	Rare	None
	204	92	None	Rare	None	Few	None
	205	92	None	None	None	Rare	Rare
	211	93	None	Few	None	None	None
	212	93	None	Few	None	Few	None
	213	93	None	Moderate	None	None	None
	214	93	None	Few	None	None	None
	215	93	None	Moderate	None	None	None
B6M	301	92	None	None	None	Few	None
	302	92	None	None	None	Few	None
	303	92	None	None	None	None	None
	304	92	None	None	None	Few	None
	305	92	None	None	None	Rare	None
	311	93	None	Rare	None	Few	None
	312	93	None	Few	None	Rare	None
	313	93	None	Moderate	None	None	None

Table C-19. 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))
B6M	314	93	None	Few	None	Rare	None
	315	93	None	Moderate	None	Few	None
B60M	401	92	None	None	None	Rare	None
	402	92	None	None	None	Rare	None
	403	92	None	None	None	None	None
	404	92	None	None	None	None	None
	405	92	None	None	None	Rare	None
	412	93	None	Rare	None	Rare	None
	413	93	None	Few	None	Rare	Rare
	414	93	None	Rare	None	None	None
	415	93	None	Moderate	None	None	None
B120M	501	92	None	None	None	Few	None
	502	92	None	None	None	Few	None
	503	92	None	None	None	Rare	None
	504	92	None	None	None	Rare	None
	505	92	None	Rare	Rare	Rare	None
	511	93	None	Few	None	Rare	None
	512	93	None	Moderate	None	Rare	None
	513	93	None	Rare	None	None	None
	514	93	None	Rare	None	None	None
	515	93	None	Few	None	None	None
	601	92	None	Rare	None	Rare	None
E6M	602	92	None	None	None	Few	None
	603	92	None	Rare	None	Few	Rare
	604	92	None	None	None	Rare	None
	605	92	None	None	None	None	None
	611	93	NT*	NT*	NT*	NT*	NT*

Table C-19. 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))
E6M	612	93	None	Few	None	Rare	None
	613	93	None	Few	None	Few	None
	614	93	None	Moderate	None	Rare	None
	615	93	None	Moderate	None	None	None
E60M	701	92	None	None	None	Few	None
	702	92	None	None	None	Rare	None
	704	92	None	None	None	Rare	None
	705	92	None	None	Rare	None	None
	711	93	None	Few	None	Rare	None
	712	93	None	Moderate	None	None	None
	713	93	None	Many	None	None	None
	715	93	None	Many	None	None	None
E120M	801	92	None	None	None	Few	None
	802	92	None	None	None	Rare	None
	803	92	None	None	None	None	None
	804	92	None	None	None	Rare	None
	805	92	None	None	None	Rare	None
	811	93	None	Few	None	None	None
	812	93	None	Moderate	None	Rare	None
	813	93	None	Rare	None	None	None
	814	93	None	Few	None	None	None
	815	93	None	Moderate	None	Rare	None

Table C-19. Individual Animal Urine Sediment Data – Males

Group	Animal ID	Day	White Blood Cells	Red Blood Cells	Casts	Epithelial Cells	Sperm
			(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	0	0
	102	92	2	0	0	2	0
	103	92	0	0	0	4	0
	105	92	0	0	0	2	0
	111	93	0	0	0	1	0
	112	93	0	0	0	0	0
	113	93	0	0	0	0	0
	114	93	0	0	0	0	0
	115	93	0	0	0	1	0
NT120M	201	92	2	0	0	4	0
	202	92	0	0	0	2	0
	203	92	0	0	0	2	0
	204	92	0	0	0	2	0
	205	92	0	0	0	2	0
	211	93	0	0	0	2	0
	212	93	0	0	0	1	0
	213	93	0	0	0	4	0
	214	93	0	0	0	0	0
	215	93	0	0	0	3	0
B6M	301	92	0	0	0	2	0
	302	92	0	0	0	2	0
	303	92	0	0	0	2	0
	304	92	0	0	0	2	0
	305	92	0	0	0	0	0
	311	93	0	0	0	1	0

Table C-19. Individual Animal Urine Sediment Data – Males

Group	Animal ID	Day	White Blood Cells	Red Blood Cells	Casts	Epithelial Cells	Sperm
			(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))
B6M	312	93	0	0	0	1	0
	313	93	0	0	0	0	0
	314	93	0	0	0	1	0
	315	93	0	0	0	0	0
B60M	401	92	0	0	0	0	0
	402	92	0	0	0	0	0
	403	92	0	0	0	0	0
	404	92	0	0	0	2	0
	405	92	0	0	0	0	0
	412	93	0	0	0	0	0
	413	93	0	0	0	0	0
	414	93	0	0	0	0	0
	415	93	0	0	0	0	0
B120M	501	92	0	0	0	2	0
	502	92	0	0	0	0	0
	503	92	0	0	0	2	0
	504	92	0	0	0	0	0
	505	92	0	0	0	4	0
	511	93	0	0	0	3	0
	512	93	0	0	0	5	0
	513	93	0	0	0	1	0
	514	93	0	0	0	1	0
	515	93	0	0	0	3	0
E6M	601	92	0	0	0	2	0
	602	92	0	0	0	2	0
	603	92	2	0	0	2	0

Table C-19. Individual Animal Urine Sediment Data – Males

Group	Animal ID	Day	White Blood Cells	Red Blood Cells	Casts	Epithelial Cells	Sperm
			(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))
E6M	604	92	0	0	0	2	0
	605	92	0	0	0	2	0
	611	93	NT*	NT*	NT*	NT*	NT*
	612	93	0	0	0	3	0
	613	93	0	0	0	2	0
	614	93	0	0	0	0	0
	615	93	0	0	0	1	0
E60M	701	92	0	0	0	2	0
	702	92	0	0	0	2	0
	704	92	0	0	0	2	0
	705	92	0	0	0	2	0
	711	93	0	0	0	1	0
	712	93	0	0	0	3	0
	713	93	0	0	0	3	0
	715	93	0	0	0	0	0
E120M	801	92	2	0	0	4	0
	802	92	0	0	0	2	0
	803	92	0	0	0	0	0
	804	92	0	0	0	0	0
	805	92	0	0	0	0	0
	811	93	0	0	0	2	0
	812	93	0	0	0	1	0
	813	93	0	0	0	5	0
	814	93	0	0	0	0	0
	815	93	0	0	0	0	0

* NT = Not taken.

Table C-20. 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	None	None	None	None
	152	93	None	None	None	None	None
	153	93	None	None	None	None	None
	154	93	None	None	None	None	None
	155	93	None	None	None	None	Rare
	162	94	None	Rare	None	None	None
	163	94	None	Rare	None	None	None
	164	94	None	Few	None	None	None
	165	94	None	Rare	None	None	None
NT120F	251	93	None	Rare	None	None	None
	252	93	None	None	None	None	Rare
	253	93	None	Rare	None	None	None
	254	93	None	Rare	None	None	None
	255	93	None	Rare	None	None	None
	261	94	None	Rare	None	None	None
	262	94	None	Few	None	None	Rare
	263	94	None	Rare	None	None	None
	264	94	None	Rare	None	None	None
B6F	351	93	None	None	None	None	None
	352	93	None	None	None	None	None
	353	93	None	None	None	None	None
	354	93	None	None	None	None	None
	355	93	None	Rare	None	None	Rare
	361	94	None	Rare	None	None	None
	362	94	None	Rare	None	None	None
	363	94	None	None	None	None	None

Table C-20. 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))
B6F	364	94	None	Few	None	None	None
	365	94	None	Few	None	None	None
B60F	451	93	None	None	None	None	None
	452	93	None	None	None	None	None
	453	93	None	None	None	None	None
	454	93	None	None	None	None	None
	455	93	None	None	None	None	None
	461	94	None	Few	None	None	None
	462	94	None	Few	None	None	None
	463	94	None	Rare	None	None	None
	464	94	None	Few	None	None	None
	465	94	None	Moderate	None	None	None
B120F	551	93	None	None	None	None	None
	552	93	None	None	None	None	Rare
	553	93	None	None	None	None	None
	554	93	None	None	None	None	None
	555	93	None	None	None	None	Rare
	561	94	None	Many	None	Rare	None
	562	94	None	Moderate	None	None	None
	563	94	None	Rare	None	None	None
	564	94	None	Few	None	None	None
	565	94	None	Few	None	None	None
E6F	651	93	None	Rare	None	None	None
	652	93	None	None	None	Rare	None
	653	93	None	None	None	None	None
	654	93	None	None	None	None	None
	655	93	None	Rare	None	None	None

Table C-20. 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))
E6F	661	94	None	Rare	None	None	None
	662	94	None	Few	None	Rare	None
	663	94	None	Rare	None	None	None
	664	94	None	Rare	None	None	None
	665	94	None	Moderate	None	None	None
E60F	751	93	None	None	None	None	None
	752	93	None	Rare	None	None	None
	753	93	None	None	None	None	None
	754	93	None	None	None	None	None
	755	93	None	None	None	None	None
	761	94	None	Rare	None	None	None
	763	94	None	Few	None	Rare	None
	764	94	None	Few	None	None	None
	765	94	None	Moderate	None	None	None
E120F	851	93	None	Rare	None	None	None
	852	93	None	None	None	None	None
	853	93	None	None	None	Rare	None
	854	93	None	None	None	None	None
	855	93	None	None	None	None	Rare
	861	94	None	Few	None	None	None
	862	94	None	Few	None	None	None
	863	94	None	Rare	None	None	None
	864	94	None	Few	None	None	None
	865	94	None	None	None	None	None

Table C-20. Individual Animal Urine Sediment Data – Females

Group	Animal ID	Day	White Blood Cells	Red Blood Cells	Casts	Epithelial Cells	Sperm
			(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	0	0
	152	93	0	0	0	2	0
	153	93	0	0	0	0	0
	154	93	0	0	0	0	0
	155	93	0	0	0	0	0
	162	94	0	0	0	0	0
	163	94	0	0	0	1	0
	164	94	0	0	0	2	0
	165	94	0	0	0	0	0
NT120F	251	93	0	0	0	2	0
	252	93	0	0	0	0	0
	253	93	0	0	0	2	0
	254	93	0	0	0	2	0
	255	93	0	0	0	0	0
	261	94	0	0	0	3	0
	262	94	0	0	0	0	0
	263	94	0	0	0	0	0
	264	94	0	0	0	4	0
	265	94	0	0	0	1	0
B6F	351	93	0	0	0	4	0
	352	93	0	0	0	2	0
	353	93	0	0	0	2	0
	354	93	0	0	0	2	0
	355	93	0	0	0	2	0
	361	94	0	0	0	6	0
	362	94	0	0	0	0	0

Table C-20. Individual Animal Urine Sediment Data – Females

Group	Animal ID	Day	White Blood Cells	Red Blood Cells	Casts	Epithelial Cells	Sperm
			(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))
B6F	363	94	0	0	0	1	0
	364	94	0	0	0	0	0
	365	94	0	0	0	3	0
B60F	451	93	0	0	0	2	0
	452	93	0	0	0	0	0
	453	93	0	0	0	0	0
	454	93	2	0	0	2	0
	455	93	0	0	0	0	0
	461	94	0	0	0	0	0
	462	94	0	0	0	1	0
	463	94	0	0	0	0	0
	464	94	0	0	0	0	0
	465	94	0	0	0	1	0
B120F	551	93	2	0	0	2	0
	552	93	0	0	0	2	0
	553	93	0	0	0	8	0
	554	93	0	0	0	0	0
	555	93	0	0	0	2	0
	561	94	0	0	0	2	0
	562	94	0	0	0	3	0
	563	94	0	0	0	1	0
	564	94	0	0	0	2	0
	565	94	0	0	0	1	0
E6F	651	93	2	0	0	2	0
	652	93	2	0	0	4	0
	653	93	0	0	0	0	0

Table C-20. Individual Animal Urine Sediment Data – Females

Group	Animal ID	Day	White Blood Cells	Red Blood Cells	Casts	Epithelial Cells	Sperm
			(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))
E6F	654	93	0	0	0	2	0
	655	93	0	0	0	0	0
	661	94	0	0	0	2	0
	662	94	0	0	0	1	0
	663	94	0	0	0	0	0
	664	94	0	0	0	0	0
	665	94	0	0	0	2	0
E60F	751	93	2	0	0	2	0
	752	93	0	0	0	6	0
	753	93	0	0	0	10	0
	754	93	0	0	0	0	0
	755	93	0	0	0	0	0
	761	94	0	0	0	0	0
	763	94	1	0	0	1	0
	764	94	1	0	0	0	0
	765	94	2	0	0	0	0
E120F	851	93	0	0	0	2	0
	852	93	0	0	0	4	0
	853	93	0	0	0	2	0
	854	93	0	0	0	0	0
	855	93	0	0	0	2	0
	861	94	0	0	0	0	0
	862	94	0	0	0	4	0
	863	94	0	0	0	0	0
	864	94	0	0	0	1	0
	865	94	0	0	0	0	0

APPENDIX D: PATHOLOGY INDIVIDUAL ANIMAL DATA

Table D-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal		Brain	Epididymides	Heart	Kidneys	Liver
	ID	Day					
CM	101	92	0.486	0.0880	0.235	0.559	1.142
	102	92	0.534	0.1079	0.225	0.604	1.538
	103	92	0.521	0.1153	0.212	0.553	1.348
	104	92	0.511	0.1149	0.346	0.764	1.509
	105	92	0.497	0.1017	0.231	0.482	1.108
	106	92	0.513	0.1296	0.314	0.691	1.436
	107	92	0.513	0.0975	0.312	0.583	1.456
	108	92	0.568	0.1157	0.336	0.730	1.607
	109	92	0.459	0.0829	0.271	0.734	1.249
	110	92	0.466	0.0893	0.329	0.549	1.182
	111	93	0.475	0.0917	0.237	0.577	1.505
	112	93	0.496	0.0957	0.268	0.544	1.317
	113	93	0.460	0.1002	0.255	0.683	1.625
	114	93	0.495	0.0867	0.221	0.596	1.512
	115	93	0.475	0.1041	0.194	0.672	1.502
	116	93	0.545	0.1357	0.203	0.541	1.631
	117	93	0.480	0.1044	0.321	0.592	1.465
	118	93	0.526	0.0976	0.283	0.563	1.605
	119	93	0.505	0.0957	0.239	0.581	1.322
	120	93	0.514	0.1143	0.296	0.610	1.419
NT120M	201	92	0.494	0.0706	0.180	0.387	1.252
	202	92	0.495	0.1027	0.201	0.599	1.441
	203	92	0.424	0.0864	0.175	0.450	0.979
	204	92	0.464	0.0810	0.254	0.482	1.244
	205	92	0.466	0.0846	0.125	0.477	0.874
	206	92	0.471	0.1367	0.207	0.576	1.263
	207	92	0.490	0.0840	0.231	0.435	1.216
	208	92	0.479	0.0970	0.252	0.478	1.253
	209	92	0.494	0.1017	0.212	0.494	1.159

Table D-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal		Brain	Epididymides	Heart	Kidneys	Liver
	ID	Day					
NT120M	210	92	0.487	0.0860	0.217	0.430	1.055
	211	93	0.439	0.0797	0.152	0.571	1.163
	212	93	0.464	0.1142	0.249	0.514	1.177
	213	93	0.473	0.0942	0.177	0.483	1.160
	214	93	0.493	0.0854	0.217	0.394	1.209
	215	93	0.487	0.0805	0.243	0.472	1.128
	216	93	0.505	0.0755	0.210	0.437	1.329
	217	93	0.471	0.1010	0.147	0.498	1.138
	218	93	0.528	0.0985	0.313	0.618	1.628
	219	93	0.482	0.0816	0.130	0.468	1.190
	220	93	0.473	0.0944	0.259	0.496	1.158
B6M	301	92	0.531	0.1005	0.287	0.568	1.383
	302	92	0.444	0.0990	0.255	0.757	1.399
	303	92	0.502	0.0869	0.284	0.656	1.328
	304	92	0.489	0.0997	0.261	0.638	1.322
	305	92	0.463	0.0919	0.251	0.507	1.478
	306	92	0.509	0.0901	0.236	0.604	1.266
	307	92	0.530	0.1020	0.217	0.608	1.491
	308	92	0.526	0.0988	0.360	0.686	1.558
	309	92	0.509	0.0852	0.227	0.477	1.290
	310	92	0.463	0.0901	0.203	0.500	1.140
	311	93	0.464	0.0992	0.198	0.680	1.402
	312	93	0.504	0.0891	0.256	0.588	1.555
	313	93	0.485	0.0765	0.306	0.686	1.511
	314	93	0.513	0.1009	0.267	0.672	1.398
	315	93	0.473	0.0946	0.227	0.588	1.449
	316	93	0.467	0.0992	0.219	0.577	1.437
	317	93	0.498	0.1003	0.170	0.566	1.320
	318	93	0.499	0.1047	0.274	0.561	1.429

Table D-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal		Brain	Epididymides	Heart	Kidneys	Liver
	ID	Day					
B6M	319	93	0.498	0.0818	0.231	0.692	1.348
	320	93	0.510	0.0930	0.300	0.648	1.463
B60M	401	92	0.460	0.0721	0.163	0.341	0.769
	402	92	0.479	0.0941	0.159	0.416	1.063
	403	92	0.509	0.0963	0.231	0.514	1.297
	404	92	0.553	0.0953	0.258	0.462	1.236
	405	92	0.579	0.1064	0.251	0.541	1.316
	406	92	0.405	0.1174	0.201	0.543	1.325
	407	92	0.487	0.1006	0.256	0.614	1.209
	408	92	0.509	0.1196	0.258	0.504	1.239
	409	92	0.508	0.0934	0.183	0.552	1.139
	410	92	0.521	0.1079	0.276	0.558	1.338
	411	93	0.510	0.0924	0.171	0.509	1.250
	412	93	0.454	0.0819	0.171	0.445	1.321
	413	93	0.512	0.0926	0.197	0.530	1.123
	414	93	0.464	0.0953	0.246	0.491	1.282
	415	93	0.510	0.1029	0.229	0.491	1.273
	416	93	0.497	0.1096	0.313	0.603	1.691
	417	93	0.468	0.0828	0.155	0.499	1.158
	418	93	0.483	0.1476	0.223	0.448	1.220
	419	93	0.543	0.0960	0.253	0.702	1.490
	420	93	0.496	0.0968	0.235	0.493	1.385
B120M	501	92	0.479	0.0851	0.239	0.422	1.158
	502	92	0.468	0.0787	0.208	0.411	1.179
	503	92	0.488	0.0838	0.154	0.441	1.181
	504	92	0.471	0.0873	0.200	0.447	1.150
	505	92	0.449	0.0824	0.146	0.405	0.952
	506	92	0.480	0.0795	0.279	0.413	1.314
	507	92	0.476	0.0939	0.220	0.582	1.501

Table D-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal		Brain	Epididymides	Heart	Kidneys	Liver
	ID	Day					
B120M	508	92	0.493	0.0954	0.195	0.429	1.210
	509	92	0.513	0.0804	0.157	0.468	1.385
	510	92	0.501	0.0881	0.214	0.434	1.340
	511	93	0.504	0.0938	0.170	0.514	1.225
	512	93	0.482	0.1135	0.264	0.472	1.442
	513	93	0.459	0.0919	0.176	0.457	1.169
	514	93	0.507	0.0887	0.217	0.368	1.299
	515	93	0.492	0.0815	0.207	0.414	1.181
	516	93	0.473	0.0828	0.219	0.460	1.123
	517	93	0.470	0.0938	0.208	0.479	1.163
	518	93	0.494	0.1024	0.273	0.552	1.374
	519	93	0.503	0.0943	0.155	0.459	1.066
	520	93	0.491	0.0787	0.187	0.462	1.273
E6M	601	92	0.486	0.0991	0.253	0.637	1.305
	602	92	0.488	0.1091	0.270	0.562	1.386
	603	92	0.506	0.1064	0.291	0.565	1.336
	604	92	0.524	0.1168	0.266	0.504	1.299
	605	92	0.488	0.0981	0.219	0.507	1.041
	606	92	0.526	0.1308	0.304	0.612	1.375
	607	92	0.511	0.1155	0.265	0.709	1.577
	608	92	0.538	0.0984	0.252	0.620	1.467
	609	92	0.455	0.1072	0.171	0.581	1.209
	610	92	0.519	0.1083	0.240	0.584	1.441
	611	93	0.507	0.0880	0.285	0.759	1.507
	612	93	0.494	0.0906	0.232	0.551	1.548
	613	93	0.464	0.0968	0.248	0.511	1.370
	614	93	0.472	0.0941	0.274	0.492	1.302
	615	93	0.479	0.1079	0.314	0.679	1.346
	616	93	0.493	0.1064	0.235	0.493	1.311

Table D-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal ID	Day	Brain	Epididymides	Heart	Kidneys	Liver
E6M	617	93	0.520	0.1045	0.231	0.672	1.623
	618	93	0.527	0.1158	0.312	0.756	1.722
	619	93	0.510	0.0922	0.311	0.675	1.375
	620	93	0.536	0.1505	0.290	0.640	1.495
E60M	701	92	0.460	0.0642	0.210	0.507	1.152
	702	92	0.465	0.1032	0.237	0.415	1.206
	703	92	0.534	0.0984	0.283	0.631	1.297
	704	92	0.505	0.0905	0.275	0.548	1.318
	705	92	0.489	0.0854	0.189	0.551	1.189
	706	92	0.497	0.0967	0.216	0.570	1.304
	707	92	0.491	0.0788	0.250	0.642	1.286
	708	92	0.428	0.0948	0.190	0.468	1.084
	709	92	0.486	0.0878	0.182	0.487	1.185
	710	92	0.512	0.1162	0.216	0.553	1.487
	711	93	0.501	0.1031	0.218	0.474	1.371
	712	93	0.496	0.0907	0.273	0.528	1.443
	713	93	0.506	0.0820	0.282	0.529	1.442
	714	93	0.485	0.1049	0.251	0.523	1.271
	715	93	0.473	0.1127	0.215	0.478	1.002
	716	93	0.514	0.0870	0.253	0.485	1.596
	717	93	0.525	0.0971	0.249	0.550	1.439
	718	93	0.486	0.1069	0.209	0.460	1.102
	719	93	0.499	0.1000	0.238	0.439	1.328
	720	93	0.487	0.0941	0.192	0.585	1.396
E120M	801	92	0.450	0.0913	0.223	0.538	1.368
	802	92	0.482	0.0826	0.199	0.451	1.187
	803	92	0.477	0.0863	0.237	0.427	0.961
	804	92	0.471	0.0814	0.185	0.453	1.275
	805	92	0.442	0.0846	0.174	0.448	1.264

Table D-1. Individual Animal Absolute Organ Weights (g) – Males

Group	Animal ID	Day	Brain	Epididymides	Heart	Kidneys	Liver
E120M	806	92	0.463	0.0655	0.163	0.460	1.093
	807	92	0.451	0.0893	0.171	0.560	1.217
	808	92	0.471	0.0816	0.201	0.454	1.076
	809	92	0.504	0.0979	0.254	0.486	1.266
	810	92	0.497	0.0900	0.287	0.620	1.388
	811	93	0.510	0.0814	0.182	0.470	1.135
	812	93	0.538	0.1086	0.203	0.412	1.210
	813	93	0.462	0.0950	0.200	0.465	1.098
	814	93	0.463	0.0992	0.223	0.426	1.262
	815	93	0.485	0.0965	0.227	0.421	1.248
	816	93	0.482	0.0961	0.152	0.374	1.170
	817	93	0.505	0.0932	0.154	0.392	1.091
	818	93	0.503	0.0910	0.230	0.480	1.224
	819	93	0.488	0.1152	0.213	0.485	1.215
	820	93	0.500	0.0941	0.233	0.540	1.228

Table D-1. Individual Animal Absolute Organ Weights (g) - Males

Group	Animal		Lungs	Prostate	Salivary Gland	Spleen	Testes
	ID	Day					
CM	101	92	0.352	0.035	0.179	0.052	0.235
	102	92	0.340	0.068	0.260	0.067	0.262
	103	92	0.294	0.084	0.202	0.058	0.245
	104	92	0.448	0.047	0.284	0.068	0.357
	105	92	0.388	0.080	0.279	0.060	0.234
	106	92	0.570	0.149	0.326	0.067	0.292
	107	92	0.436	0.087	0.353	0.162	0.275
	108	92	0.479	0.049	0.282	0.080	0.308
	109	92	0.576	0.076	0.253	0.069	0.205
	110	92	0.411	0.071	0.232	0.060	0.260
	111	93	0.312	0.076	0.270	0.077	0.242
	112	93	0.484	0.065	0.269	0.079	0.234
	113	93	0.422	0.065	0.248	0.088	0.233
	114	93	0.427	0.091	0.280	0.102	0.218
	115	93	0.449	0.072	0.305	0.078	0.250
	116	93	0.297	0.128	0.341	0.074	0.284
	117	93	0.393	0.075	0.291	0.089	0.243
	118	93	0.298	0.085	0.300	0.115	0.255
	119	93	0.485	0.094	0.244	0.087	0.220
	120	93	0.659	0.076	0.275	0.085	0.277
NT120M	201	92	0.256	0.072	0.201	0.058	0.217
	202	92	0.237	0.067	0.195	0.054	0.234
	203	92	0.337	0.073	0.193	0.042	0.311
	204	92	0.403	0.046	0.228	0.079	0.241
	205	92	0.217	0.071	0.140	0.063	0.220
	206	92	0.546	0.081	0.239	0.109	0.260
	207	92	0.425	0.033	0.145	0.054	0.256
	208	92	0.665	0.062	0.257	0.164	0.228
	209	92	0.364	0.064	0.225	0.060	0.228

Table D-1. Individual Animal Absolute Organ Weights (g) - Males

Group	Animal		Lungs	Prostate	Salivary Gland	Spleen	Testes
	ID	Day					
NT120M	210	92	0.375	0.058	0.176	0.056	0.231
	211	93	0.221	0.065	0.184	0.060	0.249
	212	93	0.452	0.090	0.244	0.061	0.185
	213	93	0.529	0.061	0.172	0.072	0.246
	214	93	0.417	0.070	0.193	0.072	0.278
	215	93	0.353	0.062	0.180	0.074	0.267
	216	93	0.367	0.079	0.219	0.082	0.243
	217	93	0.407	0.097	0.211	0.057	0.278
	218	93	0.488	0.056	0.241	0.064	0.237
	219	93	0.472	0.114	0.195	0.065	0.241
	220	93	0.360	0.058	0.232	0.063	0.265
B6M	301	92	0.423	0.065	0.270	0.066	0.204
	302	92	0.347	0.073	0.188	0.073	0.256
	303	92	0.437	0.087	0.270	0.111	0.196
	304	92	0.461	0.077	0.305	0.087	0.241
	305	92	0.522	0.108	0.298	0.073	0.219
	306	92	0.475	0.101	0.195	0.081	0.249
	307	92	0.639	0.084	0.312	0.102	0.250
	308	92	0.437	0.040	0.302	0.097	0.255
	309	92	0.486	0.067	0.295	0.048	0.230
	310	92	0.290	0.063	0.268	0.050	0.229
	311	93	0.306	0.059	0.251	0.070	0.223
	312	93	0.382	0.080	0.259	0.063	0.214
	313	93	0.465	0.079	0.286	0.085	0.114
	314	93	0.477	0.058	0.273	0.065	0.276
	315	93	0.532	0.114	0.272	0.072	0.279
	316	93	0.317	0.077	0.238	0.089	0.190
	317	93	0.250	0.043	0.313	0.056	0.254
	318	93	0.468	0.065	0.269	0.067	0.223

Table D-1. Individual Animal Absolute Organ Weights (g) - Males

Group	Animal		Lungs	Prostate	Salivary Gland	Spleen	Testes
	ID	Day					
B6M	319	93	0.333	0.072	0.244	0.078	0.212
	320	93	0.384	0.056	0.246	0.087	0.239
B60M	401	92	0.243	0.038	0.178	0.024	0.193
	402	92	0.314	0.038	0.230	0.045	0.278
	403	92	0.406	0.057	0.230	0.066	0.225
	404	92	0.457	0.042	0.218	0.076	0.278
	405	92	0.469	0.061	0.216	0.059	0.260
	406	92	0.530	0.089	0.211	0.073	0.289
	407	92	0.405	0.078	0.293	0.071	0.245
	408	92	0.567	0.050	0.233	0.101	0.286
	409	92	0.394	0.047	0.228	0.061	0.245
	410	92	0.568	0.066	0.276	0.077	0.229
	411	93	0.411	0.064	0.258	0.091	0.263
	412	93	0.278	0.049	0.182	0.055	0.203
	413	93	0.425	0.096	0.244	0.034	0.197
	414	93	0.385	0.052	0.223	0.062	0.284
	415	93	0.403	0.046	0.198	0.075	0.282
	416	93	0.320	0.115	0.224	0.074	0.266
	417	93	0.495	0.064	0.196	0.061	0.211
	418	93	0.395	0.083	0.213	0.084	0.251
	419	93	0.398	0.050	0.247	0.086	0.239
	420	93	0.390	0.061	0.234	0.087	0.248
B120M	501	92	0.312	0.075	0.228	0.055	0.235
	502	92	0.377	0.052	0.148	0.050	0.245
	503	92	0.440	0.062	0.224	0.063	0.206
	504	92	0.239	0.074	0.191	0.057	0.214
	505	92	0.212	0.048	0.151	0.048	0.267
	506	92	0.563	0.047	0.211	0.082	0.223
	507	92	0.485	0.081	0.213	0.103	0.188

Table D-1. Individual Animal Absolute Organ Weights (g) - Males

Group	Animal		Lungs	Prostate	Salivary Gland	Spleen	Testes
	ID	Day					
B120M	508	92	0.317	0.060	0.205	0.047	0.289
	509	92	0.297	0.051	0.236	0.086	0.196
	510	92	0.276	0.074	0.232	0.053	0.250
	511	93	0.252	0.066	0.180	0.047	0.227
	512	93	0.444	0.082	0.238	0.077	0.285
	513	93	0.243	0.041	0.146	0.057	0.202
	514	93	0.456	0.074	0.187	0.065	0.217
	515	93	0.266	0.079	0.204	0.048	0.225
	516	93	0.433	0.097	0.207	0.053	0.240
	517	93	0.445	0.064	0.221	0.064	0.286
	518	93	0.405	0.068	0.230	0.097	0.272
	519	93	0.272	0.056	0.208	0.050	0.269
	520	93	0.458	0.062	0.199	0.063	0.222
E6M	601	92	0.413	0.072	0.261	0.077	0.235
	602	92	0.456	0.069	0.276	0.076	0.218
	603	92	0.476	0.089	0.182	0.053	0.313
	604	92	0.433	0.078	0.233	0.058	0.255
	605	92	0.284	0.022	0.222	0.041	0.243
	606	92	0.630	0.090	0.264	0.077	0.324
	607	92	0.410	0.119	0.250	0.090	0.178
	608	92	0.425	0.072	0.301	0.106	0.266
	609	92	0.441	0.051	0.263	0.064	0.270
	610	92	0.371	0.114	0.248	0.109	0.235
	611	93	0.427	0.102	0.266	0.077	0.235
	612	93	0.353	0.086	0.260	0.098	0.219
	613	93	0.434	0.075	0.249	0.070	0.253
	614	93	0.380	0.046	0.223	0.072	0.270
	615	93	0.372	0.074	0.220	0.092	0.267
	616	93	0.377	0.081	0.237	0.078	0.276

Table D-1. Individual Animal Absolute Organ Weights (g) - Males

Group	Animal		Lungs	Prostate	Salivary Gland	Spleen	Testes
	ID	Day					
E6M	617	93	0.498	0.120	0.258	0.089	0.241
	618	93	0.438	0.113	0.264	0.066	0.225
	619	93	0.448	0.024	0.274	0.082	0.201
	620	93	0.414	0.114	0.273	0.095	0.223
E60M	701	92	0.450	0.049	0.201	0.060	0.104
	702	92	0.326	0.057	0.232	0.061	0.295
	703	92	0.339	0.068	0.250	0.066	0.148
	704	92	0.407	0.042	0.213	0.037	0.278
	705	92	0.577	0.045	0.193	0.065	0.241
	706	92	0.586	0.071	0.235	0.067	0.278
	707	92	0.590	0.065	0.220	0.071	0.152
	708	92	0.333	0.057	0.181	0.064	0.233
	709	92	0.401	0.071	0.193	0.067	0.245
	710	92	0.334	0.106	0.224	0.073	0.241
	711	93	0.423	0.102	0.191	0.072	0.237
	712	93	0.439	0.045	0.221	0.064	0.237
	713	93	0.415	0.061	0.228	0.060	0.190
	714	93	0.347	0.055	0.237	0.075	0.258
	715	93	0.208	0.049	0.212	0.044	0.265
	716	93	0.484	0.158	0.249	0.074	0.256
	717	93	0.436	0.071	0.289	0.107	0.227
	718	93	0.391	0.068	0.221	0.062	0.222
	719	93	0.376	0.092	0.236	0.064	0.218
	720	93	0.326	0.044	0.248	0.068	0.263
E120M	801	92	0.369	0.072	0.183	0.069	0.250
	802	92	0.376	0.040	0.203	0.063	0.233
	803	92	0.333	0.056	0.184	0.079	0.285
	804	92	0.289	0.084	0.192	0.050	0.236
	805	92	0.301	0.033	0.158	0.047	0.182

Table D-1. Individual Animal Absolute Organ Weights (g) - Males

Group	Animal		Lungs	Prostate	Salivary Gland	Spleen	Testes
	ID	Day					
E120M	806	92	0.423	0.069	0.145	0.069	0.184
	807	92	0.525	0.065	0.288	0.064	0.232
	808	92	0.482	0.061	0.162	0.053	0.227
	809	92	0.436	0.048	0.235	0.083	0.226
	810	92	0.418	0.055	0.254	0.077	0.232
	811	93	0.248	0.050	0.263	0.049	0.243
	812	93	0.401	0.047	0.212	0.052	0.266
	813	93	0.373	0.066	0.168	0.047	0.304
	814	93	0.400	0.043	0.230	0.083	0.214
	815	93	0.478	0.066	0.214	0.056	0.195
	816	93	0.270	0.056	0.154	0.057	0.252
	817	93	0.404	0.074	0.184	0.074	0.239
	818	93	0.402	0.071	0.221	0.050	0.217
	819	93	0.389	0.087	0.251	0.060	0.247
	820	93	0.408	0.067	0.243	0.073	0.230

Table D-1. Individual Animal Absolute Organ Weights (g) - Males

Group	Animal		Thymus
	ID	Day	
CM	101	92	0.020
	102	92	0.021
	103	92	0.043
	104	92	0.020
	105	92	0.022
	106	92	0.023
	107	92	0.025
	108	92	0.032
	109	92	0.035
	110	92	0.019
	111	93	0.025
	112	93	0.017
	113	93	0.029
	114	93	0.022
	115	93	0.027
	116	93	0.048
	117	93	0.016
	118	93	0.029
	119	93	0.032
	120	93	0.023
NT120M	201	92	0.024
	202	92	0.024
	203	92	0.012
	204	92	0.027
	205	92	0.013
	206	92	0.023
	207	92	0.019
	208	92	0.031
	209	92	0.018

Table D-1. Individual Animal Absolute Organ Weights (g) - Males

Group	Animal ID	Day	Thymus
NT120M	210	92	0.024
	211	93	0.030
	212	93	0.018
	213	93	0.013
	214	93	0.019
	215	93	0.017
	216	93	0.031
	217	93	0.021
	218	93	0.018
	219	93	0.027
	220	93	0.014
B6M	301	92	0.027
	302	92	0.020
	303	92	0.029
	304	92	0.014
	305	92	0.029
	306	92	0.012
	307	92	0.023
	308	92	0.017
	309	92	0.023
	310	92	0.030
	311	93	0.035
	312	93	0.034
	313	93	0.025
	314	93	0.019
	315	93	0.027
	316	93	0.042
	317	93	0.040
	318	93	0.035

Table D-1. Individual Animal Absolute Organ Weights (g) - Males

Group	Animal ID	Day	Thymus
B6M	319	93	0.026
	320	93	0.025
B60M	401	92	0.005
	402	92	0.019
	403	92	0.024
	404	92	0.021
	405	92	0.016
	406	92	0.031
	407	92	0.020
	408	92	0.031
	409	92	0.023
	410	92	0.016
	411	93	0.017
	412	93	0.025
	413	93	0.017
	414	93	0.020
	415	93	0.018
	416	93	0.033
	417	93	0.020
	418	93	0.025
	419	93	0.033
	420	93	0.023
B120M	501	92	0.024
	502	92	0.029
	503	92	0.019
	504	92	0.027
	505	92	0.013
	506	92	0.036

Table D-1. Individual Animal Absolute Organ Weights (g) - Males

Group	Animal ID	Day	Thymus
B120M	507	92	0.032
	508	92	0.033
	509	92	0.037
	510	92	0.029
	511	93	0.024
	512	93	0.020
	513	93	0.021
	514	93	0.021
	515	93	0.015
	516	93	0.016
	517	93	0.021
	518	93	0.025
	519	93	0.020
	520	93	0.014
E6M	601	92	0.029
	602	92	0.038
	603	92	0.019
	604	92	0.023
	605	92	0.011
	606	92	0.025
	607	92	0.030
	608	92	0.022
	609	92	0.019
	610	92	0.029
	611	93	0.030
	612	93	0.030
	613	93	0.046
	614	93	0.026

Table D-1. Individual Animal Absolute Organ Weights (g) - Males

Group	Animal ID	Day	Thymus
E6M	615	93	0.023
	616	93	0.043
	617	93	0.029
	618	93	0.059
	619	93	0.026
	620	93	0.032
E60M	701	92	0.021
	702	92	0.026
	703	92	0.023
	704	92	0.017
	705	92	0.020
	706	92	0.020
	707	92	0.024
	708	92	0.018
	709	92	0.020
	710	92	0.050
	711	93	0.027
	712	93	0.011
	713	93	0.017
	714	93	0.021
	715	93	0.010
	716	93	0.032
	717	93	0.028
	718	93	0.025
	719	93	0.018
	720	93	0.029
E120M	801	92	0.037
	802	92	0.027

Table D-1. Individual Animal Absolute Organ Weights (g) - Males

Group	Animal		Thymus
	ID	Day	
E120M	803	92	0.008
	804	92	0.027
	805	92	0.017
	806	92	0.028
	807	92	0.048
	808	92	0.028
	809	92	0.023
	810	92	0.024
	811	93	0.021
	812	93	0.016
	813	93	0.021
	814	93	0.013
	815	93	0.026
	816	93	0.024
	817	93	0.028
	818	93	0.019
	819	93	0.027
	820	93	0.035

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal		Brain	Heart	Kidneys	Liver	Lungs
	ID	Day					
CF	151	93	0.503	0.155	0.303	0.983	0.307
	152	93	0.490	0.164	0.359	1.052	0.323
	153	93	0.492	0.133	0.336	1.186	0.460
	154	93	0.483	0.166	0.318	1.073	0.356
	155	93	0.485	0.170	0.316	0.915	0.332
	156	93	0.485	0.226	0.385	1.192	0.228
	157	93	0.502	0.154	0.265	1.173	0.200
	158	93	0.489	0.177	0.371	1.060	0.261
	159	93	0.458	0.125	0.297	0.976	0.263
	160	93	0.478	0.215	0.367	1.262	0.445
	161	94	0.554	0.183	0.383	1.094	0.284
	162	94	0.536	0.184	0.320	1.039	0.359
	163	94	0.478	0.178	0.347	1.324	0.345
	164	94	0.477	0.136	0.318	1.115	0.272
	165	94	0.483	0.123	0.280	1.001	0.333
	166	94	0.516	0.140	0.332	1.211	0.277
	167	94	0.514	0.137	0.343	1.086	0.411
	168	94	0.512	0.233	0.405	1.285	0.403
	169	94	0.525	0.211	0.346	0.971	0.465
	170	94	0.517	0.183	0.316	1.197	0.383
NT120F	251	93	0.478	0.139	0.333	1.038	0.247
	252	93	0.449	0.177	0.253	0.868	0.265
	253	93	0.459	0.109	0.282	0.818	0.308
	254	93	0.488	0.177	0.285	0.954	0.397
	255	93	0.499	0.128	0.273	0.661	0.185
	256	93	0.462	0.117	0.293	1.003	0.222
	257	93	0.496	0.163	0.323	1.038	0.287
	258	93	0.502	0.148	0.265	0.860	0.236
	259	93	0.493	0.142	0.304	0.889	0.304

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal		Brain	Heart	Kidneys	Liver	Lungs
	ID	Day					
NT120F	260	93	0.497	0.114	0.319	0.944	0.237
	261	94	0.472	0.159	0.318	0.910	0.271
	262	94	0.481	0.146	0.275	0.878	0.328
	263	94	0.509	0.176	0.312	0.964	0.259
	264	94	0.512	0.133	0.310	1.006	0.217
	265	94	0.466	0.131	0.293	0.948	0.252
	266	94	0.481	0.145	0.267	0.895	0.272
	267	94	0.548	0.139	0.375	1.046	0.279
	268	94	0.455	0.198	0.340	1.113	0.375
	269	94	0.484	0.165	0.320	0.944	0.336
	270	94	0.516	0.192	0.313	1.048	0.377
B6F	351	93	0.435	0.114	0.275	0.970	0.275
	352	93	0.505	0.119	0.302	1.139	0.248
	353	93	0.472	0.153	0.296	0.880	0.310
	354	93	0.485	0.171	0.334	1.055	0.326
	355	93	0.500	0.142	0.294	0.928	0.314
	356	93	0.514	0.201	0.368	1.186	0.366
	357	93	0.548	0.180	0.323	0.962	0.213
	358	93	0.474	0.191	0.335	1.091	0.294
	359	93	0.512	0.189	0.335	1.093	0.327
	360	93	0.485	0.212	0.308	1.150	0.413
	361	94	0.525	0.226	0.346	1.257	0.343
	362	94	0.528	0.153	0.247	1.004	0.339
	363	94	0.518	0.146	0.274	0.936	0.298
	364	94	0.514	0.200	0.326	0.960	0.290
	365	94	0.507	0.169	0.342	1.224	0.371
	366	94	0.503	0.138	0.293	0.956	0.236
	367	94	0.513	0.156	0.301	0.973	0.317
	368	94	0.496	0.156	0.350	1.168	0.301

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal		Brain	Heart	Kidneys	Liver	Lungs
	ID	Day					
B6F	369	94	0.479	0.144	0.300	1.060	0.335
	370	94	0.519	0.197	0.358	1.093	0.389
B60F	451	93	0.439	0.130	0.277	0.977	0.269
	452	93	0.485	0.205	0.320	0.919	0.311
	453	93	0.498	0.166	0.291	0.781	0.205
	454	93	0.495	0.202	0.364	1.060	0.330
	455	93	0.515	0.207	0.292	1.158	0.382
	456	93	0.494	0.175	0.338	1.029	0.225
	457	93	0.497	0.207	0.332	1.123	0.362
	458	93	0.482	0.182	0.309	1.001	0.298
	459	93	0.461	0.173	0.349	1.214	0.305
	460	93	0.470	0.141	0.294	0.934	0.418
	461	94	0.453	0.118	0.295	0.877	0.449
	462	94	0.469	0.130	0.282	0.825	0.270
	463	94	0.479	0.143	0.308	0.992	0.303
	464	94	0.510	0.212	0.358	1.084	0.363
	465	94	0.493	0.166	0.391	1.106	0.399
	466	94	0.506	0.187	0.292	0.827	0.363
	467	94	0.500	0.202	0.277	1.021	0.346
	468	94	0.491	0.225	0.349	1.212	0.395
	469	94	0.500	0.179	0.352	0.955	0.350
	470	94	0.547	0.177	0.325	1.232	0.204
B120F	551	93	0.471	0.127	0.282	0.854	0.211
	552	93	0.510	0.192	0.316	1.049	0.302
	553	93	0.462	0.183	0.344	1.036	0.362
	554	93	0.456	0.209	0.264	0.825	0.215
	555	93	0.489	0.137	0.249	0.920	0.287
	556	93	0.503	0.223	0.359	1.446	0.362
	557	93	0.469	0.157	0.271	1.031	0.215

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal ID	Day	Brain	Heart	Kidneys	Liver	Lungs
B120F	558	93	0.472	0.151	0.283	0.853	0.276
	559	93	0.583	0.150	0.301	0.985	0.318
	560	93	0.487	0.184	0.313	1.055	0.322
	561	94	0.505	0.141	0.287	1.003	0.308
	562	94	0.514	0.180	0.324	0.977	0.301
	563	94	0.497	0.159	0.354	1.006	0.280
	564	94	0.488	0.208	0.394	1.280	0.364
	565	94	0.510	0.184	0.331	0.954	0.297
	566	94	0.509	0.249	0.353	1.224	0.337
	567	94	0.519	0.117	0.289	1.154	0.335
	568	94	0.514	0.197	0.248	1.010	0.274
	569	94	0.501	0.163	0.344	1.038	0.335
	570	94	0.455	0.159	0.268	0.918	0.273
E6F	651	93	0.461	0.172	0.320	1.213	0.382
	652	93	0.514	0.214	0.353	1.074	0.285
	653	93	0.524	0.118	0.266	0.867	0.330
	654	93	0.482	0.162	0.384	1.297	0.302
	655	93	0.532	0.156	0.310	1.112	0.283
	656	93	0.538	0.142	0.312	1.344	0.257
	657	93	0.507	0.191	0.310	1.009	0.216
	658	93	0.495	0.143	0.320	1.016	0.302
	659	93	0.517	0.163	0.338	1.033	0.212
	660	93	0.458	0.212	0.354	1.165	0.419
	661	94	0.514	0.175	0.366	1.142	0.306
	662	94	0.528	0.184	0.363	1.103	0.397
	663	94	0.476	0.144	0.281	1.033	0.332
	664	94	0.525	0.192	0.352	1.046	0.436
	665	94	0.505	0.137	0.333	1.206	0.449
	666	94	0.493	0.186	0.300	1.045	0.267

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal ID	Day	Brain	Heart	Kidneys	Liver	Lungs
E6F	667	94	0.454	0.153	0.358	1.082	0.248
	668	94	0.496	0.132	0.311	0.965	0.215
	669	94	0.497	0.142	0.327	1.227	0.403
	670	94	0.475	0.225	0.273	1.065	0.346
E60F	751	93	0.554	0.227	0.352	1.127	0.325
	752	93	0.447	0.220	0.344	1.020	0.401
	753	93	0.480	0.149	0.256	0.957	0.265
	754	93	0.457	0.201	0.282	0.786	0.402
	755	93	0.490	0.147	0.371	1.073	0.244
	756	93	0.477	0.182	0.311	1.061	0.401
	757	93	0.504	0.169	0.373	1.103	0.331
	758	93	0.461	0.157	0.297	1.050	0.284
	759	93	0.551	0.155	0.360	1.119	0.363
	760	93	0.462	0.156	0.288	0.925	0.298
	761	94	0.479	0.227	0.324	1.109	0.324
	762	94	0.489	0.148	0.383	1.154	
	763	94	0.505	0.197	0.302	1.023	0.455
	764	94	0.456	0.117	0.264	0.949	0.230
	765	94	0.453	0.171	0.293	0.912	0.293
	766	94	0.484	0.184	0.313	1.061	0.297
	767	94	0.529	0.122	0.301	0.898	0.370
	768	94	0.468	0.165	0.281	0.960	0.259
	769	94	0.464	0.161	0.263	1.023	0.180
	770	94	0.507	0.135	0.333	0.958	0.291
E120F	851	93	0.525	0.122	0.256	1.021	0.294
	852	93	0.460	0.142	0.296	1.001	0.241
	853	93	0.522	0.126	0.329	1.050	0.251
	854	93	0.498	0.156	0.283	1.154	0.288
	855	93	0.496	0.129	0.283	0.888	0.227

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal		Brain	Heart	Kidneys	Liver	Lungs
	ID	Day					
E120F	856	93	0.465	0.138	0.286	0.907	
	857	93	0.459	0.124	0.319	1.011	0.351
	858	93	0.510	0.120	0.242	0.891	0.320
	859	93	0.483	0.124	0.308	1.187	0.243
	860	93	0.536	0.167	0.312	0.979	0.291
	861	94	0.482	0.108	0.298	0.837	0.238
	862	94	0.480	0.195	0.302	0.962	0.379
	863	94	0.484	0.124	0.287	0.927	0.237
	864	94	0.452	0.168	0.303	0.938	0.284
	865	94	0.504	0.176	0.298	1.004	0.370
	866	94	0.477	0.139	0.295	0.960	0.291
	867	94	0.502	0.134	0.305	1.081	0.273
	868	94	0.484	0.109	0.292	0.987	0.278
	869	94	0.477	0.176	0.333	1.034	0.258
	870	94	0.501	0.142	0.310	1.186	0.315

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal		Salivary Gland	Spleen	Thymus	Uterus
	ID	Day				
CF	151	93	0.139	0.064	0.029	0.123
	152	93	0.179	0.075	0.035	0.123
	153	93	0.175	0.081	0.036	0.174
	154	93	0.132	0.058	0.027	0.315
	155	93	0.130	0.070	0.027	0.242
	156	93	0.161	0.101	0.023	0.385
	157	93	0.156	0.131	0.039	0.107
	158	93	0.173	0.069	0.033	0.153
	159	93	0.150	0.095	0.027	0.170
	160	93	0.147	0.080	0.046	0.156
	161	94	0.140	0.078	0.028	0.122
	162	94	0.137	0.087	0.038	0.143
	163	94	0.141	0.114	0.032	0.353
	164	94	0.133	0.086	0.024	0.164
	165	94	0.136	0.075	0.041	0.221
	166	94	0.177	0.108	0.037	0.128
	167	94	0.177	0.075	0.023	0.112
	168	94	0.178	0.083	0.022	0.103
	169	94	0.141	0.074	0.046	0.148
	170	94	0.129	0.091	0.036	0.206
NT120F	251	93	0.163	0.077	0.026	0.269
	252	93	0.122	0.065	0.024	0.185
	253	93	0.103	0.038	0.018	0.094
	254	93	0.108	0.083	0.034	0.246
	255	93	0.103	0.040	0.021	0.233
	256	93	0.125	0.091	0.037	0.306
	257	93	0.145	0.087	0.027	0.286
	258	93	0.142	0.061	0.037	0.216
	259	93	0.119	0.098	0.013	0.343

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal		Salivary Gland	Spleen	Thymus	Uterus
	ID	Day				
NT120F	260	93	0.119	0.073	0.032	0.230
	261	94	0.148	0.065	0.022	0.162
	262	94	0.126	0.091	0.044	0.199
	263	94	0.161	0.078	0.028	0.134
	264	94	0.128	0.073	0.028	0.224
	265	94	0.167	0.066	0.033	0.340
	266	94	0.116	0.072	0.026	0.214
	267	94	0.138	0.046	0.023	0.211
	268	94	0.196	0.083	0.028	0.211
	269	94	0.130	0.099	0.024	0.234
	270	94	0.151	0.074	0.034	0.135
B6F	351	93	0.135	0.086	0.044	0.142
	352	93	0.157	0.109	0.039	0.309
	353	93	0.165	0.067	0.024	0.260
	354	93	0.114	0.064	0.032	0.291
	355	93	0.164	0.076	0.019	0.170
	356	93	0.127	0.077	0.021	0.166
	357	93	0.125	0.074	0.036	0.224
	358	93	0.153	0.064	0.022	0.120
	359	93	0.130	0.074	0.038	0.228
	360	93	0.165	0.089	0.033	0.135
	361	94	0.168	0.078	0.040	0.189
	362	94	0.108	0.068	0.043	0.251
	363	94	0.137	0.069	0.039	0.096
	364	94	0.120	0.071	0.030	0.236
	365	94	0.187	0.075	0.052	0.139
	366	94	0.163	0.078	0.052	0.209
	367	94	0.126	0.104	0.019	0.211
	368	94	0.186	0.085	0.041	0.184

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal		Salivary Gland	Spleen	Thymus	Uterus
	ID	Day				
B6F	369	94	0.145	0.068	0.032	0.096
	370	94	0.138	0.080	0.035	0.163
B60F	451	93	0.137	0.071	0.027	0.106
	452	93	0.134	0.068	0.025	0.256
	453	93	0.128	0.054	0.019	0.226
	454	93	0.153	0.108	0.027	0.140
	455	93	0.159	0.079	0.021	0.266
	456	93	0.137	0.049	0.019	0.120
	457	93	0.142	0.085	0.036	0.122
	458	93	0.152	0.033	0.022	0.112
	459	93	0.141	0.110	0.034	0.179
	460	93	0.123	0.085	0.045	0.211
	461	94	0.121	0.078	0.021	0.134
	462	94	0.130	0.058	0.020	0.125
	463	94	0.132	0.082	0.017	0.157
	464	94	0.133	0.064	0.034	0.193
	465	94	0.135	0.074	0.028	0.175
	466	94	0.155	0.061	0.025	0.257
	467	94	0.124	0.078	0.022	0.167
	468	94	0.164	0.098	0.036	0.230
	469	94	0.158	0.081	0.036	0.258
	470	94	0.133	0.104	0.027	0.098
B120F	551	93	0.109	0.059	0.029	0.207
	552	93	0.117	0.064	0.039	0.172
	553	93	0.149	0.072	0.039	0.287
	554	93	0.110	0.065	0.021	0.164
	555	93	0.143	0.057	0.029	0.174
	556	93	0.183	0.096	0.032	0.119
	557	93	0.134	0.062	0.030	0.159

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal		Salivary Gland	Spleen	Thymus	Uterus
	ID	Day				
B120F	558	93	0.105	0.059	0.024	0.128
	559	93	0.145	0.063	0.029	0.222
	560	93	0.171	0.098	0.036	0.157
	561	94	0.151	0.072	0.019	0.195
	562	94	0.114	0.067	0.019	0.099
	563	94	0.124	0.076	0.037	0.171
	564	94	0.164	0.087	0.031	0.109
	565	94	0.167	0.060	0.041	0.107
	566	94	0.142	0.102	0.027	0.199
	567	94	0.118	0.091	0.019	0.148
	568	94	0.107	0.084	0.026	0.122
	569	94	0.109	0.079	0.022	0.142
	570	94	0.129	0.059	0.022	0.181
E6F	651	93	0.166	0.083	0.030	0.132
	652	93	0.144	0.036	0.032	0.147
	653	93	0.147	0.046	0.018	0.110
	654	93	0.138	0.091	0.027	0.335
	655	93	0.144	0.095	0.032	0.086
	656	93	0.152	0.087	0.040	0.181
	657	93	0.123	0.073	0.033	0.196
	658	93	0.125	0.064	0.023	0.090
	659	93	0.132	0.064	0.026	0.345
	660	93	0.148	0.079	0.019	0.275
	661	94	0.176	0.080	0.040	0.157
	662	94	0.126	0.071	0.032	0.100
	663	94	0.136	0.081	0.034	0.086
	664	94	0.122	0.077	0.025	0.166
	665	94	0.146	0.070	0.038	0.297
	666	94	0.149	0.078	0.041	0.161

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal ID	Day	Salivary Gland	Spleen	Thymus	Uterus
E6F	667	94	0.140	0.091	0.042	0.216
	668	94	0.124	0.075	0.019	0.179
	669	94	0.141	0.094	0.035	0.155
	670	94	0.158	0.057	0.024	0.134
E60F	751	93	0.179	0.096	0.029	0.136
	752	93	0.154	0.094	0.026	0.240
	753	93	0.127	0.101	0.038	0.125
	754	93	0.132	0.076	0.018	0.100
	755	93	0.161	0.134	0.027	0.128
	756	93	0.134	0.126	0.025	0.138
	757	93	0.188	0.070	0.024	0.155
	758	93	0.148	0.075	0.033	0.175
	759	93	0.153	0.113	0.029	0.171
	760	93	0.113	0.060	0.025	0.160
	761	94	0.172	0.054	0.031	0.236
	762	94	0.131	0.105	0.041	0.476
	763	94	0.181	0.085	0.028	0.294
	764	94	0.133	0.057	0.036	0.103
	765	94	0.130	0.095	0.030	0.204
	766	94	0.131	0.104	0.034	0.131
	767	94	0.136	0.052	0.016	0.156
	768	94	0.147	0.069	0.030	0.203
	769	94	0.133	0.087	0.031	0.138
	770	94	0.135	0.085	0.022	0.262
E120F	851	93	0.106	0.050	0.043	0.097
	852	93	0.117	0.053	0.023	0.125
	853	93	0.139	0.094	0.030	0.230
	854	93	0.105	0.082	0.035	0.106
	855	93	0.118	0.069	0.021	0.103

Table D-2. Individual Animal Absolute Organ Weights (g) – Females

Group	Animal		Salivary Gland	Spleen	Thymus	Uterus
	ID	Day				
E120F	856	93	0.119	0.050	0.031	0.214
	857	93	0.151	0.066	0.031	0.301
	858	93	0.125	0.075	0.020	0.117
	859	93	0.155	0.071	0.045	0.110
	860	93	0.156	0.092	0.047	0.268
	861	94	0.135	0.061	0.023	0.152
	862	94	0.135	0.075	0.039	0.181
	863	94	0.108	0.048	0.013	0.100
	864	94	0.110	0.055	0.027	0.106
	865	94	0.100	0.093	0.026	0.281
	866	94	0.135	0.081	0.038	0.122
	867	94	0.134	0.093	0.032	0.267
	868	94	0.153	0.088	0.023	0.113
	869	94	0.138	0.095	0.029	0.165
	870	94	0.156	0.075	0.036	0.191

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal ID	Day	Terminal Body Weight		Brain	Epididymides	Heart	Kidneys	Liver
CM	101	92	30.9		1.571	0.2848	0.760	1.810	3.695
	102	92	34.5		1.547	0.3128	0.653	1.752	4.457
	103	92	34.8		1.497	0.3313	0.608	1.588	3.872
	104	92	37.8		1.352	0.3040	0.916	2.020	3.993
	105	92	33.1		1.500	0.3073	0.697	1.457	3.347
	106	92	37.4		1.370	0.3465	0.839	1.848	3.839
	107	92	39.2		1.309	0.2487	0.797	1.487	3.714
	108	92	40.6		1.399	0.2850	0.827	1.798	3.958
	109	92	37.0		1.239	0.2241	0.733	1.982	3.376
	110	92	32.3		1.442	0.2765	1.020	1.699	3.659
	111	93	33.4		1.422	0.2746	0.711	1.727	4.507
	112	93	33.0		1.503	0.2900	0.811	1.647	3.991
	113	93	38.3		1.202	0.2616	0.666	1.783	4.244
	114	93	31.9		1.551	0.2718	0.694	1.869	4.738
	115	93	37.6		1.263	0.2769	0.516	1.788	3.995
	116	93	35.7		1.526	0.3801	0.567	1.515	4.568
	117	93	36.6		1.311	0.2852	0.877	1.617	4.003
	118	93	37.7		1.395	0.2589	0.751	1.493	4.258
	119	93	39.1		1.292	0.2448	0.611	1.485	3.380
	120	93	37.3		1.378	0.3064	0.794	1.635	3.803
NT120M	201	92	32.1		1.540	0.2199	0.561	1.204	3.899
	202	92	32.0		1.548	0.3209	0.628	1.872	4.504
	203	92	27.1		1.563	0.3188	0.645	1.662	3.611
	204	92	30.2		1.535	0.2682	0.842	1.597	4.118
	205	92	25.6		1.820	0.3305	0.487	1.864	3.414
	206	92	31.9		1.476	0.4285	0.647	1.804	3.959
	207	92	30.7		1.595	0.2736	0.753	1.417	3.960
	208	92	34.2		1.401	0.2836	0.737	1.396	3.665

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal ID	Day	Terminal					
			Body Weight	Brain	Epididymides	Heart	Kidneys	Liver
NT120M	209	92	32.7	1.509	0.3110	0.647	1.510	3.545
	210	92	27.9	1.745	0.3082	0.777	1.540	3.782
	211	93	28.9	1.520	0.2758	0.525	1.976	4.024
	212	93	30.5	1.521	0.3744	0.815	1.684	3.858
	213	93	28.6	1.652	0.3294	0.617	1.690	4.055
	214	93	27.7	1.781	0.3083	0.784	1.424	4.365
	215	93	29.0	1.678	0.2776	0.838	1.626	3.888
	216	93	30.3	1.667	0.2492	0.691	1.443	4.387
	217	93	31.5	1.497	0.3206	0.465	1.580	3.614
	218	93	33.0	1.601	0.2985	0.948	1.872	4.935
	219	93	28.4	1.696	0.2873	0.456	1.646	4.189
	220	93	28.5	1.660	0.3312	0.908	1.739	4.063
B6M	301	92	36.2	1.466	0.2776	0.794	1.569	3.821
	302	92	35.1	1.264	0.2821	0.726	2.156	3.987
	303	92	33.2	1.513	0.2617	0.855	1.976	3.998
	304	92	34.2	1.430	0.2915	0.763	1.864	3.866
	305	92	39.9	1.159	0.2303	0.628	1.270	3.705
	306	92	34.2	1.488	0.2635	0.689	1.765	3.701
	307	92	38.7	1.369	0.2636	0.560	1.571	3.852
	308	92	38.4	1.369	0.2573	0.939	1.787	4.058
	309	92	32.3	1.574	0.2638	0.702	1.476	3.994
	310	92	32.2	1.437	0.2798	0.631	1.552	3.539
	311	93	32.8	1.414	0.3024	0.602	2.074	4.276
	312	93	37.2	1.356	0.2395	0.689	1.580	4.181
	313	93	38.1	1.273	0.2008	0.803	1.799	3.966
	314	93	36.8	1.393	0.2742	0.725	1.826	3.798
	315	93	36.9	1.280	0.2564	0.616	1.593	3.926
	316	93	40.9	1.142	0.2425	0.535	1.411	3.512

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal ID	Day	Terminal Body Weight	Brain	Epididymides	Heart	Kidneys	Liver
B6M	317	93	35.7	1.394	0.2810	0.476	1.585	3.697
	318	93	38.1	1.310	0.2748	0.718	1.472	3.750
	319	93	36.6	1.362	0.2235	0.632	1.891	3.683
	320	93	35.4	1.442	0.2627	0.846	1.830	4.132
B60M	401	92	24.3	1.892	0.2967	0.670	1.404	3.165
	402	92	27.3	1.753	0.3447	0.581	1.523	3.892
	403	92	35.8	1.422	0.2690	0.646	1.437	3.622
	404	92	33.2	1.666	0.2870	0.777	1.393	3.723
	405	92	34.5	1.679	0.3084	0.728	1.568	3.815
	406	92	34.1	1.187	0.3443	0.588	1.591	3.886
	407	92	32.3	1.508	0.3115	0.792	1.902	3.744
	408	92	34.9	1.459	0.3427	0.738	1.444	3.550
	409	92	31.6	1.606	0.2956	0.580	1.745	3.604
	410	92	37.7	1.382	0.2862	0.732	1.481	3.550
	411	93	34.9	1.462	0.2648	0.491	1.459	3.582
	412	93	31.7	1.431	0.2584	0.538	1.403	4.166
	413	93	29.6	1.730	0.3128	0.664	1.791	3.792
	414	93	31.0	1.498	0.3074	0.793	1.583	4.135
	415	93	31.8	1.603	0.3236	0.719	1.542	4.002
	416	93	36.8	1.351	0.2978	0.851	1.638	4.596
	417	93	32.0	1.462	0.2588	0.485	1.560	3.618
	418	93	31.7	1.523	0.4656	0.704	1.414	3.847
	419	93	38.1	1.425	0.2520	0.664	1.843	3.912
	420	93	35.0	1.417	0.2766	0.672	1.410	3.957
B120M	501	92	31.4	1.525	0.2710	0.760	1.342	3.688
	502	92	26.9	1.741	0.2926	0.773	1.528	4.381
	503	92	27.3	1.786	0.3070	0.563	1.616	4.325
	504	92	27.8	1.694	0.3140	0.721	1.608	4.136

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal	Day	Terminal					
	ID		Body Weight	Brain	Epididymides	Heart	Kidneys	Liver
B120M	505	92	29.4	1.526	0.2803	0.495	1.376	3.239
	506	92	33.5	1.432	0.2373	0.833	1.233	3.922
	507	92	35.3	1.349	0.2660	0.624	1.648	4.251
	508	92	27.2	1.814	0.3507	0.718	1.576	4.450
	509	92	33.1	1.551	0.2429	0.474	1.413	4.185
	510	92	30.9	1.620	0.2851	0.692	1.406	4.335
	511	93	28.5	1.769	0.3291	0.596	1.802	4.297
	512	93	30.2	1.597	0.3758	0.873	1.562	4.774
	513	93	27.8	1.651	0.3306	0.633	1.645	4.205
	514	93	29.0	1.747	0.3059	0.749	1.270	4.480
	515	93	26.2	1.877	0.3111	0.789	1.579	4.508
	516	93	27.5	1.719	0.3011	0.795	1.673	4.082
	517	93	29.7	1.581	0.3158	0.701	1.612	3.916
	518	93	33.8	1.462	0.3030	0.808	1.634	4.065
	519	93	27.5	1.831	0.3429	0.562	1.668	3.876
	520	93	31.5	1.559	0.2498	0.593	1.465	4.040
E6M	601	92	34.1	1.425	0.2906	0.741	1.869	3.826
	602	92	39.1	1.248	0.2790	0.689	1.437	3.544
	603	92	35.8	1.412	0.2972	0.814	1.579	3.731
	604	92	33.1	1.582	0.3529	0.803	1.522	3.926
	605	92	28.9	1.687	0.3394	0.759	1.753	3.600
	606	92	33.5	1.569	0.3904	0.908	1.828	4.105
	607	92	36.8	1.388	0.3139	0.719	1.927	4.286
	608	92	39.1	1.376	0.2517	0.644	1.585	3.752
	609	92	35.1	1.297	0.3054	0.487	1.656	3.443
	610	92	35.5	1.461	0.3051	0.675	1.644	4.058
	611	93	35.4	1.431	0.2486	0.804	2.144	4.257
	612	93	34.4	1.436	0.2634	0.674	1.603	4.501

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal ID	Day	Terminal Body Weight	Brain	Epididymides	Heart	Kidneys	Liver
E6M	613	93	38.3	1.213	0.2527	0.648	1.335	3.577
	614	93	33.7	1.401	0.2792	0.813	1.460	3.864
	615	93	35.5	1.350	0.3039	0.884	1.913	3.791
	616	93	32.6	1.513	0.3264	0.722	1.511	4.021
	617	93	40.2	1.294	0.2600	0.575	1.671	4.038
	618	93	38.6	1.365	0.3000	0.809	1.960	4.461
	619	93	37.1	1.376	0.2485	0.837	1.819	3.707
	620	93	39.8	1.346	0.3781	0.729	1.609	3.756
E60M	701	92	30.5	1.510	0.2105	0.687	1.662	3.778
	702	92	30.0	1.549	0.3440	0.791	1.384	4.019
	703	92	35.6	1.499	0.2764	0.795	1.772	3.644
	704	92	32.6	1.548	0.2776	0.843	1.682	4.043
	705	92	30.2	1.620	0.2828	0.625	1.825	3.937
	706	92	34.9	1.425	0.2771	0.620	1.632	3.736
	707	92	33.2	1.478	0.2373	0.753	1.934	3.873
	708	92	29.4	1.457	0.3224	0.645	1.593	3.688
	709	92	30.3	1.603	0.2898	0.602	1.606	3.912
	710	92	36.6	1.398	0.3175	0.589	1.510	4.063
	711	93	33.8	1.483	0.3050	0.645	1.402	4.057
	712	93	32.2	1.540	0.2817	0.849	1.639	4.482
	713	93	32.5	1.558	0.2523	0.866	1.628	4.437
	714	93	34.4	1.410	0.3049	0.728	1.519	3.694
	715	93	28.6	1.654	0.3941	0.753	1.672	3.505
	716	93	36.2	1.419	0.2403	0.698	1.338	4.410
	717	93	34.4	1.525	0.2823	0.725	1.600	4.183
	718	93	29.1	1.670	0.3674	0.719	1.580	3.786
	719	93	32.0	1.560	0.3125	0.743	1.373	4.149
	720	93	34.6	1.408	0.2720	0.556	1.689	4.036

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal ID	Day	Terminal	Brain	Epididymides	Heart	Kidneys	Liver
			Body Weight					
E120M	801	92	31.3	1.437	0.2917	0.713	1.719	4.371
	802	92	28.0	1.723	0.2950	0.712	1.609	4.238
	803	92	27.6	1.730	0.3127	0.858	1.548	3.483
	804	92	29.9	1.574	0.2722	0.619	1.516	4.265
	805	92	27.6	1.603	0.3065	0.631	1.625	4.580
	806	92	27.5	1.684	0.2382	0.594	1.671	3.976
	807	92	31.6	1.428	0.2826	0.540	1.772	3.853
	808	92	28.9	1.629	0.2824	0.696	1.571	3.722
	809	92	31.6	1.596	0.3098	0.803	1.537	4.006
	810	92	36.1	1.375	0.2493	0.794	1.719	3.845
	811	93	31.2	1.636	0.2609	0.583	1.505	3.637
	812	93	28.7	1.876	0.3784	0.707	1.436	4.216
	813	93	26.2	1.764	0.3626	0.764	1.773	4.190
	814	93	29.0	1.598	0.3421	0.769	1.470	4.352
	815	93	29.3	1.654	0.3294	0.773	1.435	4.258
	816	93	28.4	1.699	0.3384	0.533	1.315	4.119
	817	93	28.7	1.759	0.3247	0.538	1.364	3.802
	818	93	31.1	1.616	0.2926	0.739	1.545	3.937
	819	93	30.0	1.625	0.3840	0.709	1.618	4.051
	820	93	31.6	1.581	0.2978	0.739	1.708	3.884

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal ID	Day	Terminal					
			Body Weight	Lungs	Prostate	Salivary Gland	Spleen	Testes
CM	101	92	30.9	1.139	0.114	0.579	0.169	0.761
	102	92	34.5	0.986	0.197	0.754	0.193	0.759
	103	92	34.8	0.845	0.241	0.579	0.166	0.704
	104	92	37.8	1.185	0.125	0.751	0.179	0.944
	105	92	33.1	1.173	0.243	0.843	0.181	0.706
	106	92	37.4	1.525	0.397	0.872	0.180	0.780
	107	92	39.2	1.111	0.222	0.901	0.412	0.702
	108	92	40.6	1.179	0.120	0.693	0.197	0.757
	109	92	37.0	1.558	0.206	0.684	0.186	0.555
	110	92	32.3	1.272	0.218	0.719	0.186	0.806
	111	93	33.4	0.934	0.227	0.809	0.232	0.725
	112	93	33.0	1.466	0.198	0.816	0.241	0.709
	113	93	38.3	1.101	0.168	0.646	0.230	0.608
	114	93	31.9	1.338	0.287	0.876	0.318	0.682
	115	93	37.6	1.195	0.191	0.812	0.206	0.664
	116	93	35.7	0.833	0.357	0.955	0.206	0.796
	117	93	36.6	1.073	0.205	0.796	0.242	0.665
	118	93	37.7	0.792	0.224	0.796	0.306	0.676
	119	93	39.1	1.241	0.240	0.625	0.223	0.561
	120	93	37.3	1.768	0.203	0.738	0.227	0.743
NT120M	201	92	32.1	0.796	0.225	0.626	0.181	0.676
	202	92	32.0	0.742	0.208	0.609	0.170	0.732
	203	92	27.1	1.244	0.268	0.713	0.156	1.146
	204	92	30.2	1.333	0.152	0.754	0.263	0.799
	205	92	25.6	0.846	0.277	0.546	0.246	0.858
	206	92	31.9	1.712	0.255	0.749	0.343	0.814
	207	92	30.7	1.383	0.108	0.473	0.175	0.833
	208	92	34.2	1.945	0.180	0.751	0.480	0.668

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal ID	Day	Terminal					
			Body Weight	Lungs	Prostate	Salivary Gland	Spleen	Testes
NT120M	209	92	32.7	1.114	0.196	0.687	0.183	0.697
	210	92	27.9	1.343	0.208	0.630	0.201	0.827
	211	93	28.9	0.765	0.225	0.637	0.207	0.862
	212	93	30.5	1.483	0.294	0.800	0.200	0.607
	213	93	28.6	1.848	0.214	0.603	0.252	0.859
	214	93	27.7	1.506	0.252	0.697	0.259	1.004
	215	93	29.0	1.219	0.215	0.621	0.256	0.920
	216	93	30.3	1.213	0.261	0.723	0.269	0.803
	217	93	31.5	1.293	0.308	0.670	0.182	0.884
	218	93	33.0	1.477	0.169	0.730	0.193	0.718
	219	93	28.4	1.662	0.401	0.688	0.228	0.850
	220	93	28.5	1.264	0.202	0.815	0.219	0.931
B6M	301	92	36.2	1.168	0.180	0.746	0.183	0.563
	302	92	35.1	0.988	0.208	0.535	0.207	0.729
	303	92	33.2	1.316	0.261	0.813	0.333	0.591
	304	92	34.2	1.348	0.224	0.891	0.253	0.705
	305	92	39.9	1.307	0.270	0.747	0.182	0.549
	306	92	34.2	1.388	0.294	0.570	0.238	0.729
	307	92	38.7	1.651	0.217	0.807	0.265	0.647
	308	92	38.4	1.137	0.104	0.788	0.252	0.663
	309	92	32.3	1.506	0.208	0.914	0.149	0.711
	310	92	32.2	0.900	0.195	0.833	0.155	0.710
	311	93	32.8	0.934	0.180	0.766	0.213	0.679
	312	93	37.2	1.026	0.215	0.696	0.169	0.576
	313	93	38.1	1.220	0.206	0.751	0.224	0.298
	314	93	36.8	1.297	0.159	0.741	0.176	0.749
	315	93	36.9	1.442	0.309	0.736	0.196	0.756
	316	93	40.9	0.775	0.189	0.582	0.218	0.464

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal ID	Day	Terminal					
			Body Weight	Lungs	Prostate	Salivary Gland	Spleen	Testes
B6M	317	93	35.7	0.701	0.121	0.876	0.156	0.712
	318	93	38.1	1.227	0.171	0.706	0.175	0.586
	319	93	36.6	0.910	0.195	0.666	0.213	0.578
	320	93	35.4	1.086	0.157	0.695	0.246	0.675
B60M	401	92	24.3	1.000	0.155	0.731	0.097	0.792
	402	92	27.3	1.151	0.140	0.841	0.164	1.017
	403	92	35.8	1.135	0.160	0.643	0.185	0.628
	404	92	33.2	1.376	0.125	0.658	0.229	0.836
	405	92	34.5	1.359	0.176	0.626	0.172	0.753
	406	92	34.1	1.553	0.262	0.619	0.215	0.847
	407	92	32.3	1.254	0.241	0.907	0.220	0.759
	408	92	34.9	1.625	0.144	0.668	0.289	0.820
	409	92	31.6	1.246	0.149	0.722	0.191	0.776
	410	92	37.7	1.507	0.175	0.732	0.205	0.606
	411	93	34.9	1.177	0.184	0.739	0.261	0.752
	412	93	31.7	0.875	0.154	0.574	0.173	0.639
	413	93	29.6	1.435	0.325	0.823	0.116	0.664
	414	93	31.0	1.240	0.166	0.720	0.199	0.916
	415	93	31.8	1.268	0.146	0.621	0.235	0.888
	416	93	36.8	0.869	0.313	0.608	0.200	0.721
	417	93	32.0	1.548	0.201	0.612	0.191	0.658
	418	93	31.7	1.247	0.260	0.673	0.265	0.791
	419	93	38.1	1.045	0.132	0.648	0.225	0.628
	420	93	35.0	1.114	0.175	0.669	0.247	0.708
B120M	501	92	31.4	0.993	0.240	0.726	0.176	0.748
	502	92	26.9	1.400	0.193	0.549	0.184	0.909
	503	92	27.3	1.612	0.226	0.819	0.232	0.756
	504	92	27.8	0.859	0.266	0.688	0.206	0.771

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal ID	Day	Terminal					
			Body Weight	Lungs	Prostate	Salivary Gland	Spleen	Testes
B120M	505	92	29.4	0.721	0.163	0.513	0.162	0.906
	506	92	33.5	1.680	0.140	0.631	0.245	0.665
	507	92	35.3	1.374	0.230	0.603	0.292	0.533
	508	92	27.2	1.166	0.222	0.755	0.174	1.062
	509	92	33.1	0.896	0.155	0.714	0.261	0.592
	510	92	30.9	0.894	0.240	0.751	0.171	0.808
	511	93	28.5	0.883	0.231	0.632	0.166	0.795
	512	93	30.2	1.472	0.270	0.789	0.254	0.944
	513	93	27.8	0.873	0.146	0.525	0.204	0.726
	514	93	29.0	1.571	0.255	0.643	0.224	0.747
	515	93	26.2	1.015	0.303	0.777	0.184	0.860
	516	93	27.5	1.575	0.351	0.753	0.191	0.873
	517	93	29.7	1.497	0.216	0.743	0.214	0.964
	518	93	33.8	1.199	0.200	0.679	0.286	0.804
	519	93	27.5	0.989	0.204	0.758	0.180	0.979
	520	93	31.5	1.454	0.196	0.631	0.199	0.705
E6M	601	92	34.1	1.212	0.211	0.766	0.227	0.690
	602	92	39.1	1.165	0.176	0.706	0.195	0.558
	603	92	35.8	1.328	0.249	0.509	0.147	0.874
	604	92	33.1	1.308	0.237	0.704	0.175	0.772
	605	92	28.9	0.982	0.075	0.766	0.142	0.842
	606	92	33.5	1.879	0.267	0.787	0.229	0.966
	607	92	36.8	1.114	0.323	0.680	0.245	0.482
	608	92	39.1	1.086	0.184	0.770	0.270	0.680
	609	92	35.1	1.257	0.145	0.750	0.183	0.769
	610	92	35.5	1.045	0.321	0.700	0.307	0.663
	611	93	35.4	1.207	0.289	0.752	0.217	0.664
	612	93	34.4	1.026	0.249	0.754	0.284	0.638

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal ID	Day	Terminal					
			Body Weight	Lungs	Prostate	Salivary Gland	Spleen	Testes
E6M	613	93	38.3	1.134	0.195	0.650	0.183	0.662
	614	93	33.7	1.127	0.135	0.661	0.213	0.802
	615	93	35.5	1.048	0.207	0.619	0.258	0.753
	616	93	32.6	1.157	0.249	0.726	0.240	0.847
	617	93	40.2	1.238	0.298	0.642	0.220	0.599
	618	93	38.6	1.136	0.291	0.684	0.170	0.582
	619	93	37.1	1.207	0.064	0.737	0.220	0.542
	620	93	39.8	1.039	0.286	0.685	0.239	0.561
E60M	701	92	30.5	1.476	0.160	0.660	0.198	0.341
	702	92	30.0	1.086	0.190	0.774	0.205	0.985
	703	92	35.6	0.953	0.192	0.701	0.186	0.415
	704	92	32.6	1.247	0.127	0.653	0.113	0.852
	705	92	30.2	1.909	0.149	0.638	0.215	0.798
	706	92	34.9	1.679	0.202	0.674	0.193	0.796
	707	92	33.2	1.776	0.195	0.661	0.215	0.458
	708	92	29.4	1.133	0.195	0.616	0.218	0.791
	709	92	30.3	1.322	0.235	0.636	0.221	0.808
	710	92	36.6	0.911	0.289	0.611	0.199	0.657
	711	93	33.8	1.251	0.303	0.564	0.212	0.701
	712	93	32.2	1.365	0.140	0.686	0.200	0.737
	713	93	32.5	1.275	0.186	0.702	0.184	0.584
	714	93	34.4	1.010	0.159	0.689	0.217	0.751
	715	93	28.6	0.728	0.170	0.741	0.152	0.927
	716	93	36.2	1.338	0.437	0.686	0.206	0.706
	717	93	34.4	1.268	0.206	0.841	0.310	0.661
	718	93	29.1	1.343	0.234	0.760	0.214	0.764
	719	93	32.0	1.175	0.286	0.736	0.200	0.682
	720	93	34.6	0.941	0.127	0.716	0.195	0.761

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal ID	Day	Terminal					
			Body Weight	Lungs	Prostate	Salivary Gland	Spleen	Testes
E120M	801	92	31.3	1.178	0.231	0.584	0.220	0.799
	802	92	28.0	1.343	0.143	0.724	0.225	0.831
	803	92	27.6	1.208	0.201	0.667	0.286	1.031
	804	92	29.9	0.967	0.281	0.642	0.166	0.790
	805	92	27.6	1.091	0.121	0.571	0.171	0.661
	806	92	27.5	1.540	0.251	0.528	0.251	0.670
	807	92	31.6	1.661	0.205	0.911	0.203	0.734
	808	92	28.9	1.666	0.211	0.559	0.182	0.787
	809	92	31.6	1.378	0.152	0.743	0.263	0.716
	810	92	36.1	1.158	0.152	0.704	0.213	0.642
	811	93	31.2	0.794	0.160	0.844	0.155	0.779
	812	93	28.7	1.398	0.162	0.740	0.183	0.926
	813	93	26.2	1.425	0.253	0.643	0.178	1.160
	814	93	29.0	1.379	0.147	0.794	0.284	0.739
	815	93	29.3	1.630	0.224	0.731	0.190	0.667
	816	93	28.4	0.950	0.197	0.544	0.200	0.888
	817	93	28.7	1.408	0.257	0.640	0.258	0.832
	818	93	31.1	1.293	0.228	0.712	0.159	0.698
	819	93	30.0	1.295	0.290	0.837	0.199	0.825
	820	93	31.6	1.291	0.213	0.769	0.232	0.729

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal ID	Day	Terminal	
			Body Weight	Thymus
CM	101	92	30.9	0.066
	102	92	34.5	0.060
	103	92	34.8	0.124
	104	92	37.8	0.052
	105	92	33.1	0.067
	106	92	37.4	0.061
	107	92	39.2	0.064
	108	92	40.6	0.078
	109	92	37.0	0.096
	110	92	32.3	0.059
	111	93	33.4	0.075
	112	93	33.0	0.050
	113	93	38.3	0.075
	114	93	31.9	0.069
	115	93	37.6	0.071
	116	93	35.7	0.135
	117	93	36.6	0.043
	118	93	37.7	0.077
	119	93	39.1	0.081
	120	93	37.3	0.062
NT120M	201	92	32.1	0.074
	202	92	32.0	0.074
	203	92	27.1	0.042
	204	92	30.2	0.088
	205	92	25.6	0.050
	206	92	31.9	0.071
	207	92	30.7	0.062
	208	92	34.2	0.091

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal ID	Day	Terminal	
			Body Weight	Thymus
NT120M	209	92	32.7	0.054
	210	92	27.9	0.086
	211	93	28.9	0.102
	212	93	30.5	0.057
	213	93	28.6	0.044
	214	93	27.7	0.069
	215	93	29.0	0.058
	216	93	30.3	0.103
	217	93	31.5	0.068
	218	93	33.0	0.053
	219	93	28.4	0.093
	220	93	28.5	0.049
B6M	301	92	36.2	0.073
	302	92	35.1	0.057
	303	92	33.2	0.086
	304	92	34.2	0.042
	305	92	39.9	0.073
	306	92	34.2	0.035
	307	92	38.7	0.058
	308	92	38.4	0.043
	309	92	32.3	0.071
	310	92	32.2	0.093
	311	93	32.8	0.106
	312	93	37.2	0.091
	313	93	38.1	0.065
	314	93	36.8	0.052
	315	93	36.9	0.074
	316	93	40.9	0.103

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal ID	Day	Terminal	
			Body Weight	Thymus
B6M	317	93	35.7	0.111
	318	93	38.1	0.091
	319	93	36.6	0.072
	320	93	35.4	0.069
B60M	401	92	24.3	0.021
	402	92	27.3	0.068
	403	92	35.8	0.067
	404	92	33.2	0.064
	405	92	34.5	0.046
	406	92	34.1	0.091
	407	92	32.3	0.062
	408	92	34.9	0.088
	409	92	31.6	0.072
	410	92	37.7	0.042
	411	93	34.9	0.048
	412	93	31.7	0.080
	413	93	29.6	0.058
	414	93	31.0	0.064
	415	93	31.8	0.058
	416	93	36.8	0.089
	417	93	32.0	0.061
	418	93	31.7	0.078
	419	93	38.1	0.086
	420	93	35.0	0.065
B120M	501	92	31.4	0.077
	502	92	26.9	0.108
	503	92	27.3	0.068
	504	92	27.8	0.096

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal ID	Day	Terminal	
			Body Weight	Thymus
B120M	505	92	29.4	0.044
	506	92	33.5	0.106
	507	92	35.3	0.091
	508	92	27.2	0.120
	509	92	33.1	0.112
	510	92	30.9	0.093
	511	93	28.5	0.084
	512	93	30.2	0.067
	513	93	27.8	0.077
	514	93	29.0	0.073
	515	93	26.2	0.056
	516	93	27.5	0.057
	517	93	29.7	0.069
	518	93	33.8	0.073
	519	93	27.5	0.072
	520	93	31.5	0.045
E6M	601	92	34.1	0.086
	602	92	39.1	0.098
	603	92	35.8	0.054
	604	92	33.1	0.069
	605	92	28.9	0.039
	606	92	33.5	0.074
	607	92	36.8	0.081
	608	92	39.1	0.055
	609	92	35.1	0.055
	610	92	35.5	0.082
	611	93	35.4	0.084
	612	93	34.4	0.087

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal ID	Day	Terminal	
			Body Weight	Thymus
E6M	613	93	38.3	0.120
	614	93	33.7	0.076
	615	93	35.5	0.066
	616	93	32.6	0.132
	617	93	40.2	0.072
	618	93	38.6	0.153
	619	93	37.1	0.069
	620	93	39.8	0.080
E60M	701	92	30.5	0.069
	702	92	30.0	0.085
	703	92	35.6	0.064
	704	92	32.6	0.051
	705	92	30.2	0.065
	706	92	34.9	0.056
	707	92	33.2	0.071
	708	92	29.4	0.062
	709	92	30.3	0.066
	710	92	36.6	0.138
	711	93	33.8	0.080
	712	93	32.2	0.035
	713	93	32.5	0.053
	714	93	34.4	0.060
	715	93	28.6	0.035
	716	93	36.2	0.087
	717	93	34.4	0.080
	718	93	29.1	0.086
	719	93	32.0	0.055
	720	93	34.6	0.083

Table D-3. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Males

Group	Animal ID	Day	Terminal	
			Body Weight	Thymus
E120M	801	92	31.3	0.117
	802	92	28.0	0.097
	803	92	27.6	0.029
	804	92	29.9	0.091
	805	92	27.6	0.063
	806	92	27.5	0.103
	807	92	31.6	0.150
	808	92	28.9	0.097
	809	92	31.6	0.073
	810	92	36.1	0.067
	811	93	31.2	0.066
	812	93	28.7	0.055
	813	93	26.2	0.079
	814	93	29.0	0.045
	815	93	29.3	0.090
	816	93	28.4	0.084
	817	93	28.7	0.096
	818	93	31.1	0.061
	819	93	30.0	0.090
	820	93	31.6	0.111

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal ID	Day	Terminal Body Weight					
			Weight	Brain	Heart	Kidneys	Liver	Lungs
CF	151	93	28.5	1.764	0.543	1.062	3.451	1.076
	152	93	26.2	1.872	0.627	1.369	4.015	1.233
	153	93	29.3	1.677	0.455	1.147	4.046	1.571
	154	93	24.1	2.005	0.690	1.318	4.454	1.476
	155	93	25.0	1.941	0.680	1.265	3.661	1.326
	156	93	26.9	1.803	0.842	1.431	4.432	0.848
	157	93	28.0	1.791	0.549	0.948	4.191	0.715
	158	93	24.3	2.012	0.728	1.525	4.363	1.072
	159	93	24.7	1.853	0.506	1.202	3.951	1.063
	160	93	35.2	1.357	0.612	1.043	3.584	1.264
	161	94	28.4	1.950	0.644	1.348	3.854	0.999
	162	94	24.6	2.177	0.750	1.302	4.225	1.458
	163	94	30.5	1.567	0.583	1.136	4.342	1.130
	164	94	24.0	1.985	0.567	1.324	4.647	1.132
	165	94	25.3	1.910	0.487	1.108	3.955	1.316
	166	94	25.7	2.007	0.544	1.292	4.713	1.077
	167	94	29.1	1.767	0.471	1.179	3.730	1.412
	168	94	27.3	1.877	0.852	1.482	4.708	1.474
	169	94	25.5	2.060	0.827	1.357	3.809	1.822
	170	94	27.8	1.861	0.659	1.135	4.305	1.376
NT120F	251	93	25.0	1.910	0.556	1.331	4.151	0.989
	252	93	21.1	2.127	0.836	1.199	4.114	1.257
	253	93	20.9	2.196	0.519	1.349	3.913	1.474
	254	93	23.4	2.087	0.758	1.219	4.077	1.697
	255	93	21.2	2.353	0.603	1.287	3.117	0.872
	256	93	25.9	1.785	0.451	1.129	3.873	0.856
	257	93	28.1	1.765	0.581	1.149	3.695	1.021
	258	93	22.6	2.222	0.654	1.174	3.804	1.045

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal ID	Day	Terminal Body Weight	Brain	Heart	Kidneys	Liver	Lungs
NT120F	259	93	24.3	2.029	0.586	1.250	3.658	1.253
	260	93	23.9	2.079	0.477	1.335	3.949	0.991
	261	94	24.8	1.903	0.643	1.280	3.669	1.094
	262	94	23.4	2.056	0.624	1.174	3.751	1.401
	263	94	23.5	2.167	0.748	1.327	4.101	1.103
	264	94	24.4	2.099	0.546	1.271	4.124	0.888
	265	94	24.1	1.932	0.544	1.214	3.932	1.045
	266	94	22.6	2.128	0.643	1.180	3.959	1.205
	267	94	26.7	2.051	0.522	1.403	3.918	1.044
	268	94	26.5	1.717	0.746	1.284	4.201	1.414
	269	94	26.4	1.833	0.625	1.213	3.575	1.274
	270	94	25.7	2.009	0.746	1.218	4.077	1.468
B6F	351	93	26.1	1.668	0.436	1.052	3.716	1.052
	352	93	25.2	2.006	0.473	1.196	4.519	0.986
	353	93	24.3	1.941	0.630	1.219	3.620	1.276
	354	93	26.4	1.836	0.649	1.266	3.995	1.233
	355	93	24.2	2.066	0.586	1.214	3.836	1.296
	356	93	26.7	1.925	0.752	1.377	4.441	1.370
	357	93	24.9	2.199	0.721	1.298	3.863	0.857
	358	93	25.2	1.880	0.756	1.327	4.327	1.165
	359	93	33.0	1.552	0.574	1.015	3.311	0.992
	360	93	27.6	1.757	0.767	1.115	4.165	1.495
	361	94	27.7	1.896	0.817	1.248	4.537	1.239
	362	94	24.6	2.145	0.621	1.004	4.081	1.380
	363	94	24.3	2.130	0.599	1.127	3.852	1.226
	364	94	22.6	2.276	0.885	1.441	4.249	1.281
	365	94	29.7	1.707	0.568	1.153	4.122	1.247
	366	94	24.5	2.051	0.564	1.196	3.903	0.962

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal ID	Day	Terminal Body Weight	Brain	Heart	Kidneys	Liver	Lungs
B6F	367	94	25.7	1.995	0.607	1.173	3.787	1.232
	368	94	28.0	1.770	0.556	1.249	4.170	1.075
	369	94	29.0	1.650	0.497	1.033	3.654	1.155
	370	94	25.8	2.013	0.765	1.388	4.236	1.509
B60F	451	93	22.6	1.943	0.577	1.225	4.324	1.191
	452	93	23.3	2.080	0.881	1.371	3.943	1.333
	453	93	21.9	2.275	0.756	1.327	3.568	0.936
	454	93	26.5	1.866	0.760	1.372	3.999	1.246
	455	93	26.3	1.959	0.789	1.111	4.402	1.451
	456	93	24.6	2.009	0.711	1.372	4.183	0.916
	457	93	25.9	1.918	0.800	1.283	4.334	1.397
	458	93	24.2	1.992	0.750	1.275	4.138	1.232
	459	93	26.4	1.746	0.656	1.321	4.600	1.154
	460	93	24.6	1.909	0.571	1.197	3.797	1.698
	461	94	21.9	2.068	0.540	1.348	4.005	2.048
	462	94	22.2	2.110	0.584	1.268	3.718	1.215
	463	94	22.1	2.168	0.647	1.394	4.489	1.372
	464	94	25.3	2.015	0.838	1.413	4.286	1.435
	465	94	26.2	1.881	0.634	1.494	4.223	1.524
	466	94	22.6	2.241	0.826	1.293	3.657	1.608
	467	94	26.3	1.901	0.769	1.052	3.881	1.316
	468	94	28.4	1.728	0.794	1.230	4.268	1.392
	469	94	26.7	1.873	0.669	1.317	3.577	1.309
	470	94	25.9	2.112	0.684	1.253	4.758	0.786
B120F	551	93	22.1	2.129	0.575	1.278	3.862	0.953
	552	93	24.9	2.049	0.773	1.269	4.212	1.212
	553	93	24.7	1.872	0.743	1.393	4.194	1.467
	554	93	21.4	2.129	0.978	1.234	3.854	1.007

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal ID	Day	Terminal					
			Body Weight	Brain	Heart	Kidneys	Liver	Lungs
B120F	555	93	24.0	2.038	0.570	1.039	3.833	1.195
	556	93	27.9	1.801	0.799	1.286	5.181	1.296
	557	93	23.8	1.970	0.661	1.140	4.332	0.905
	558	93	23.3	2.025	0.648	1.213	3.661	1.186
	559	93	25.0	2.333	0.599	1.205	3.938	1.272
	560	93	26.4	1.846	0.696	1.186	3.996	1.221
	561	94	23.6	2.141	0.596	1.217	4.250	1.303
	562	94	24.6	2.089	0.730	1.318	3.972	1.224
	563	94	26.1	1.903	0.610	1.355	3.853	1.073
	564	94	23.6	2.066	0.880	1.668	5.423	1.544
	565	94	24.6	2.074	0.746	1.344	3.878	1.207
	566	94	29.4	1.730	0.846	1.201	4.164	1.146
	567	94	26.9	1.929	0.435	1.075	4.289	1.246
	568	94	25.9	1.985	0.759	0.958	3.898	1.056
	569	94	26.2	1.910	0.623	1.311	3.961	1.279
	570	94	24.1	1.888	0.660	1.112	3.809	1.134
E6F	651	93	27.3	1.689	0.632	1.174	4.443	1.401
	652	93	26.1	1.967	0.819	1.352	4.116	1.093
	653	93	22.7	2.309	0.519	1.171	3.819	1.455
	654	93	28.6	1.684	0.565	1.344	4.536	1.055
	655	93	27.7	1.919	0.565	1.120	4.016	1.023
	656	93	27.3	1.971	0.521	1.142	4.922	0.941
	657	93	25.7	1.972	0.744	1.207	3.928	0.839
	658	93	26.0	1.903	0.550	1.230	3.909	1.161
	659	93	25.3	2.042	0.645	1.336	4.083	0.838
	660	93	26.2	1.747	0.810	1.350	4.445	1.598
	661	94	25.5	2.014	0.686	1.437	4.476	1.201
	662	94	28.2	1.872	0.651	1.288	3.911	1.406

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal ID	Day	Terminal Body Weight	Brain	Heart	Kidneys	Liver	Lungs
E6F	663	94	28.4	1.677	0.507	0.988	3.636	1.168
	664	94	26.0	2.019	0.737	1.354	4.023	1.676
	665	94	28.3	1.783	0.485	1.176	4.262	1.586
	666	94	26.0	1.897	0.714	1.155	4.020	1.027
	667	94	26.9	1.688	0.569	1.329	4.023	0.923
	668	94	23.7	2.092	0.558	1.314	4.071	0.905
	669	94	27.6	1.800	0.516	1.185	4.444	1.460
	670	94	25.2	1.885	0.892	1.085	4.225	1.371
E60F	751	93	27.0	2.051	0.841	1.303	4.175	1.202
	752	93	25.3	1.766	0.871	1.358	4.032	1.583
	753	93	24.5	1.959	0.607	1.046	3.908	1.080
	754	93	21.9	2.086	0.919	1.285	3.587	1.834
	755	93	24.0	2.040	0.613	1.547	4.473	1.016
	756	93	25.3	1.887	0.719	1.230	4.194	1.584
	757	93	27.0	1.866	0.624	1.380	4.084	1.227
	758	93	24.9	1.852	0.630	1.191	4.215	1.140
	759	93	28.0	1.969	0.554	1.285	3.995	1.295
	760	93	22.4	2.061	0.696	1.287	4.130	1.331
	761	94	26.5	1.808	0.856	1.224	4.186	1.222
	762	94	27.1	1.803	0.545	1.413	4.259	
	763	94	26.0	1.943	0.759	1.160	3.934	1.752
	764	94	25.1	1.818	0.466	1.051	3.779	0.917
	765	94	23.1	1.961	0.739	1.269	3.948	1.268
	766	94	28.2	1.716	0.654	1.110	3.763	1.052
	767	94	23.1	2.290	0.526	1.304	3.888	1.603
	768	94	25.7	1.819	0.644	1.093	3.733	1.008
	769	94	25.2	1.843	0.638	1.044	4.060	0.715
	770	94	26.6	1.906	0.507	1.253	3.602	1.095

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal ID	Day	Terminal					
			Body Weight	Brain	Heart	Kidneys	Liver	Lungs
E120F	851	93	22.9	2.292	0.532	1.116	4.457	1.286
	852	93	23.5	1.958	0.605	1.260	4.261	1.026
	853	93	25.8	2.022	0.486	1.273	4.071	0.974
	854	93	24.7	2.015	0.633	1.145	4.671	1.166
	855	93	23.3	2.130	0.553	1.214	3.809	0.973
	856	93	23.1	2.012	0.599	1.239	3.925	
	857	93	24.7	1.858	0.503	1.293	4.091	1.419
	858	93	22.9	2.229	0.525	1.058	3.890	1.398
	859	93	26.0	1.858	0.477	1.184	4.565	0.933
	860	93	24.7	2.170	0.675	1.263	3.962	1.177
	861	94	22.7	2.125	0.475	1.314	3.689	1.050
	862	94	23.7	2.027	0.824	1.274	4.057	1.599
	863	94	20.7	2.337	0.599	1.386	4.479	1.146
	864	94	22.1	2.044	0.759	1.369	4.245	1.286
	865	94	25.7	1.963	0.685	1.158	3.906	1.439
	866	94	26.9	1.772	0.516	1.097	3.568	1.083
	867	94	26.1	1.923	0.513	1.168	4.143	1.047
	868	94	24.7	1.958	0.442	1.180	3.995	1.126
	869	94	25.5	1.871	0.688	1.305	4.054	1.012
	870	94	24.1	2.080	0.590	1.287	4.920	1.308

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal ID	Day	Terminal	Salivary Gland	Spleen	Thymus	Uterus
			Body Weight				
CF	151	93	28.5	0.488	0.226	0.101	0.431
	152	93	26.2	0.685	0.284	0.134	0.470
	153	93	29.3	0.597	0.278	0.122	0.593
	154	93	24.1	0.549	0.239	0.113	1.305
	155	93	25.0	0.521	0.281	0.108	0.969
	156	93	26.9	0.598	0.377	0.084	1.432
	157	93	28.0	0.558	0.468	0.138	0.381
	158	93	24.3	0.710	0.285	0.134	0.628
	159	93	24.7	0.609	0.386	0.107	0.689
	160	93	35.2	0.417	0.226	0.130	0.443
	161	94	28.4	0.494	0.276	0.098	0.431
	162	94	24.6	0.556	0.354	0.153	0.580
	163	94	30.5	0.461	0.375	0.104	1.157
	164	94	24.0	0.554	0.357	0.100	0.684
	165	94	25.3	0.539	0.296	0.160	0.875
	166	94	25.7	0.690	0.419	0.144	0.497
	167	94	29.1	0.608	0.257	0.080	0.386
	168	94	27.3	0.651	0.305	0.079	0.378
	169	94	25.5	0.553	0.291	0.181	0.580
	170	94	27.8	0.465	0.326	0.129	0.740
NT120F	251	93	25.0	0.651	0.307	0.104	1.076
	252	93	21.1	0.576	0.309	0.112	0.876
	253	93	20.9	0.495	0.181	0.086	0.448
	254	93	23.4	0.461	0.356	0.146	1.050
	255	93	21.2	0.486	0.190	0.099	1.099
	256	93	25.9	0.484	0.351	0.142	1.182
	257	93	28.1	0.515	0.308	0.095	1.017
	258	93	22.6	0.627	0.269	0.163	0.955

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal ID	Day	Terminal	Salivary Gland	Spleen	Thymus	Uterus
			Body Weight				
NT120F	259	93	24.3	0.491	0.404	0.055	1.412
	260	93	23.9	0.498	0.305	0.135	0.960
	261	94	24.8	0.596	0.262	0.090	0.654
	262	94	23.4	0.539	0.388	0.186	0.848
	263	94	23.5	0.686	0.330	0.118	0.570
	264	94	24.4	0.526	0.300	0.115	0.920
	265	94	24.1	0.691	0.273	0.135	1.410
	266	94	22.6	0.512	0.319	0.113	0.948
	267	94	26.7	0.516	0.173	0.087	0.790
	268	94	26.5	0.741	0.314	0.106	0.795
	269	94	26.4	0.491	0.376	0.091	0.887
	270	94	25.7	0.586	0.287	0.132	0.523
B6F	351	93	26.1	0.518	0.328	0.169	0.545
	352	93	25.2	0.624	0.434	0.153	1.227
	353	93	24.3	0.679	0.274	0.100	1.068
	354	93	26.4	0.431	0.244	0.120	1.103
	355	93	24.2	0.676	0.313	0.076	0.701
	356	93	26.7	0.474	0.287	0.078	0.621
	357	93	24.9	0.500	0.299	0.143	0.899
	358	93	25.2	0.608	0.253	0.088	0.477
	359	93	33.0	0.393	0.225	0.115	0.690
	360	93	27.6	0.597	0.322	0.119	0.491
	361	94	27.7	0.608	0.282	0.145	0.681
	362	94	24.6	0.437	0.276	0.174	1.020
	363	94	24.3	0.564	0.283	0.162	0.396
	364	94	22.6	0.531	0.312	0.131	1.043
	365	94	29.7	0.628	0.251	0.176	0.468
	366	94	24.5	0.663	0.317	0.214	0.853

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal ID	Day	Terminal Body Weight	Salivary Gland	Spleen	Thymus	Uterus
B6F	367	94	25.7	0.491	0.406	0.075	0.820
	368	94	28.0	0.663	0.303	0.145	0.657
	369	94	29.0	0.501	0.235	0.111	0.332
	370	94	25.8	0.534	0.309	0.134	0.630
B60F	451	93	22.6	0.604	0.315	0.119	0.469
	452	93	23.3	0.573	0.291	0.107	1.100
	453	93	21.9	0.584	0.246	0.085	1.030
	454	93	26.5	0.577	0.406	0.103	0.528
	455	93	26.3	0.603	0.300	0.081	1.011
	456	93	24.6	0.557	0.201	0.077	0.487
	457	93	25.9	0.550	0.327	0.141	0.472
	458	93	24.2	0.629	0.136	0.091	0.462
	459	93	26.4	0.534	0.416	0.127	0.678
	460	93	24.6	0.501	0.344	0.183	0.857
	461	94	21.9	0.553	0.356	0.095	0.613
	462	94	22.2	0.587	0.263	0.090	0.564
	463	94	22.1	0.599	0.372	0.076	0.710
	464	94	25.3	0.527	0.253	0.136	0.764
	465	94	26.2	0.514	0.283	0.106	0.669
	466	94	22.6	0.684	0.268	0.111	1.138
	467	94	26.3	0.471	0.297	0.084	0.635
	468	94	28.4	0.576	0.345	0.128	0.811
	469	94	26.7	0.593	0.305	0.135	0.968
	470	94	25.9	0.512	0.400	0.104	0.377
B120F	551	93	22.1	0.495	0.267	0.133	0.936
	552	93	24.9	0.471	0.257	0.158	0.690
	553	93	24.7	0.603	0.293	0.157	1.160
	554	93	21.4	0.514	0.302	0.096	0.767

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal ID	Day	Terminal	Salivary Gland	Spleen	Thymus	Uterus
			Body Weight				
B120F	555	93	24.0	0.596	0.237	0.119	0.723
	556	93	27.9	0.654	0.346	0.114	0.428
	557	93	23.8	0.562	0.261	0.128	0.667
	558	93	23.3	0.449	0.253	0.102	0.550
	559	93	25.0	0.578	0.252	0.117	0.886
	560	93	26.4	0.646	0.372	0.136	0.594
	561	94	23.6	0.639	0.306	0.082	0.828
	562	94	24.6	0.463	0.271	0.078	0.402
	563	94	26.1	0.475	0.292	0.140	0.656
	564	94	23.6	0.693	0.370	0.130	0.462
	565	94	24.6	0.679	0.242	0.167	0.433
	566	94	29.4	0.484	0.348	0.092	0.676
	567	94	26.9	0.437	0.340	0.070	0.548
	568	94	25.9	0.414	0.325	0.102	0.472
	569	94	26.2	0.417	0.302	0.085	0.541
	570	94	24.1	0.534	0.244	0.090	0.752
E6F	651	93	27.3	0.608	0.305	0.109	0.484
	652	93	26.1	0.553	0.139	0.123	0.562
	653	93	22.7	0.646	0.200	0.077	0.484
	654	93	28.6	0.481	0.318	0.093	1.170
	655	93	27.7	0.521	0.344	0.116	0.311
	656	93	27.3	0.555	0.319	0.147	0.664
	657	93	25.7	0.478	0.283	0.128	0.764
	658	93	26.0	0.482	0.246	0.089	0.345
	659	93	25.3	0.521	0.253	0.102	1.362
	660	93	26.2	0.566	0.302	0.073	1.051
	661	94	25.5	0.691	0.314	0.158	0.614
	662	94	28.2	0.446	0.253	0.114	0.354

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal ID	Day	Terminal		Spleen	Thymus	Uterus
			Body Weight	Salivary Gland			
E6F	663	94	28.4	0.479	0.286	0.120	0.304
	664	94	26.0	0.468	0.295	0.095	0.639
	665	94	28.3	0.514	0.248	0.134	1.050
	666	94	26.0	0.575	0.299	0.159	0.620
	667	94	26.9	0.522	0.338	0.157	0.803
	668	94	23.7	0.525	0.318	0.079	0.756
	669	94	27.6	0.511	0.341	0.125	0.560
	670	94	25.2	0.625	0.227	0.093	0.533
E60F	751	93	27.0	0.661	0.355	0.106	0.504
	752	93	25.3	0.609	0.373	0.101	0.947
	753	93	24.5	0.518	0.412	0.154	0.510
	754	93	21.9	0.603	0.347	0.084	0.458
	755	93	24.0	0.671	0.558	0.113	0.531
	756	93	25.3	0.529	0.499	0.098	0.543
	757	93	27.0	0.695	0.260	0.088	0.574
	758	93	24.9	0.594	0.303	0.131	0.702
	759	93	28.0	0.547	0.403	0.105	0.612
	760	93	22.4	0.502	0.266	0.111	0.716
	761	94	26.5	0.649	0.205	0.115	0.889
	762	94	27.1	0.485	0.386	0.151	1.758
	763	94	26.0	0.697	0.326	0.106	1.132
	764	94	25.1	0.529	0.229	0.142	0.410
	765	94	23.1	0.561	0.410	0.128	0.882
	766	94	28.2	0.466	0.368	0.120	0.464
	767	94	23.1	0.590	0.224	0.070	0.676
	768	94	25.7	0.572	0.268	0.118	0.791
	769	94	25.2	0.527	0.344	0.122	0.549
	770	94	26.6	0.507	0.320	0.082	0.984

Table D-4. Individual Animal Terminal Body Weights (g) and Percent Organ-to-Body Weight Ratios – Females

Group	Animal ID	Day	Terminal	Salivary Gland	Spleen	Thymus	Uterus
			Body Weight				
E120F	851	93	22.9	0.464	0.219	0.189	0.424
	852	93	23.5	0.498	0.223	0.097	0.531
	853	93	25.8	0.539	0.364	0.115	0.891
	854	93	24.7	0.424	0.331	0.143	0.429
	855	93	23.3	0.504	0.294	0.091	0.440
	856	93	23.1	0.517	0.216	0.132	0.924
	857	93	24.7	0.613	0.268	0.127	1.219
	858	93	22.9	0.545	0.327	0.087	0.509
	859	93	26.0	0.595	0.274	0.173	0.423
	860	93	24.7	0.630	0.374	0.188	1.085
	861	94	22.7	0.594	0.267	0.101	0.667
	862	94	23.7	0.570	0.316	0.164	0.765
	863	94	20.7	0.521	0.229	0.064	0.481
	864	94	22.1	0.496	0.247	0.121	0.481
	865	94	25.7	0.390	0.362	0.102	1.091
	866	94	26.9	0.500	0.301	0.141	0.455
	867	94	26.1	0.514	0.357	0.123	1.024
	868	94	24.7	0.618	0.357	0.094	0.456
	869	94	25.5	0.541	0.371	0.113	0.645
	870	94	24.1	0.645	0.310	0.149	0.792

Table D-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight					
			Weight	Epididymides	Heart	Kidneys	Liver	Lungs
CM	101	92	0.486	18.126	48.38	115.20	235.20	72.48
	102	92	0.534	20.217	42.21	113.23	288.12	63.72
	103	92	0.521	22.126	40.59	106.06	258.61	56.42
	104	92	0.511	22.485	67.73	149.45	295.36	87.67
	105	92	0.497	20.483	46.45	97.14	223.16	78.17
	106	92	0.513	25.288	61.19	134.89	280.16	111.30
	107	92	0.513	19.006	60.88	113.63	283.78	84.93
	108	92	0.568	20.370	59.12	128.49	282.94	84.28
	109	92	0.459	18.077	59.16	159.94	272.42	125.69
	110	92	0.466	19.175	70.73	117.84	253.81	88.19
	111	93	0.475	19.301	49.97	121.41	316.84	65.69
	112	93	0.496	19.298	53.96	109.60	265.56	97.54
	113	93	0.460	21.764	55.39	148.31	353.02	91.59
	114	93	0.495	17.519	44.74	120.49	305.42	86.24
	115	93	0.475	21.920	40.87	141.55	316.30	94.61
	116	93	0.545	24.908	37.17	99.30	299.36	54.59
	117	93	0.480	21.764	66.94	123.35	305.44	81.88
	118	93	0.526	18.562	53.86	107.02	305.27	56.75
	119	93	0.505	18.947	47.32	114.97	261.65	96.06
	120	93	0.514	22.233	57.58	118.60	275.94	128.26
NT120M	201	92	0.494	14.280	36.41	78.20	253.16	51.70
	202	92	0.495	20.731	40.53	120.93	290.96	47.90
	203	92	0.424	20.392	41.26	106.30	230.97	79.54
	204	92	0.464	17.472	54.87	104.01	268.25	86.84
	205	92	0.466	18.158	26.77	102.40	187.57	46.47
	206	92	0.471	29.042	43.87	122.29	268.30	116.04
	207	92	0.490	17.150	47.18	88.81	248.22	86.69
	208	92	0.479	20.238	52.58	99.62	261.51	138.79

Table D-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight					
			Weight	Epididymides	Heart	Kidneys	Liver	Lungs
NT120M	209	92	0.494	20.604	42.85	100.04	234.87	73.78
	210	92	0.487	17.666	44.56	88.27	216.78	76.97
	211	93	0.439	18.143	34.55	130.03	264.69	50.33
	212	93	0.464	24.623	53.58	110.72	253.73	97.54
	213	93	0.473	19.937	37.35	102.29	245.42	111.87
	214	93	0.493	17.315	44.04	79.97	245.17	84.61
	215	93	0.487	16.540	49.93	96.90	231.68	72.61
	216	93	0.505	14.948	41.48	86.58	263.20	72.74
	217	93	0.471	21.426	31.10	105.60	241.49	86.42
	218	93	0.528	18.645	59.19	116.96	308.23	92.28
	219	93	0.482	16.940	26.90	97.07	247.00	98.01
	220	93	0.473	19.954	54.72	104.73	244.77	76.11
B6M	301	92	0.531	18.934	54.13	107.03	260.61	79.67
	302	92	0.444	22.307	57.41	170.53	315.30	78.12
	303	92	0.502	17.304	56.55	130.63	264.34	87.00
	304	92	0.489	20.380	53.35	130.34	270.30	94.24
	305	92	0.463	19.866	54.19	109.51	319.54	112.73
	306	92	0.509	17.701	46.33	118.61	248.70	93.28
	307	92	0.530	19.256	40.91	114.80	281.40	120.63
	308	92	0.526	18.794	68.56	130.53	296.40	83.03
	309	92	0.509	16.755	44.62	93.77	253.73	95.65
	310	92	0.463	19.468	43.91	107.97	246.24	62.60
	311	93	0.464	21.389	42.58	146.70	302.37	66.06
	312	93	0.504	17.665	50.81	116.51	308.35	75.63
	313	93	0.485	15.770	63.04	141.31	311.50	95.82
	314	93	0.513	19.680	52.02	131.07	272.58	93.10
	315	93	0.473	20.021	48.13	124.42	306.62	112.59
	316	93	0.467	21.247	46.86	123.56	307.69	67.92

Table D-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight	Epididymides	Heart	Kidneys	Liver	Lungs
B6M	317	93	0.498	20.157	34.14	113.75	265.25	50.26
	318	93	0.499	20.978	54.84	112.40	286.28	93.69
	319	93	0.498	16.413	46.43	138.88	270.47	66.81
	320	93	0.510	18.221	58.70	126.94	286.58	75.29
B60M	401	92	0.460	15.684	35.39	74.20	167.30	52.86
	402	92	0.479	19.657	33.15	86.84	221.98	65.64
	403	92	0.509	18.919	45.44	101.04	254.75	79.80
	404	92	0.553	17.227	46.60	83.59	223.41	82.57
	405	92	0.579	18.373	43.34	93.39	227.28	80.95
	406	92	0.405	29.002	49.56	134.04	327.35	130.83
	407	92	0.487	20.649	52.50	126.09	248.19	83.15
	408	92	0.509	23.483	50.58	98.96	243.28	111.37
	409	92	0.508	18.404	36.12	108.67	224.41	77.56
	410	92	0.521	20.706	52.93	107.16	256.82	109.06
	411	93	0.510	18.107	33.59	99.78	244.99	80.46
	412	93	0.454	18.056	37.61	98.04	291.14	61.18
	413	93	0.512	18.086	38.40	103.52	219.24	82.95
	414	93	0.464	20.521	52.95	105.66	276.06	82.80
	415	93	0.510	20.188	44.89	96.23	249.68	79.09
	416	93	0.497	22.039	62.94	121.21	340.10	64.33
	417	93	0.468	17.704	33.18	106.74	247.51	105.90
	418	93	0.483	30.565	46.22	92.83	252.56	81.88
	419	93	0.543	17.683	46.58	129.32	274.53	73.37
	420	93	0.496	19.516	47.42	99.48	279.25	78.63
B120M	501	92	0.479	17.774	49.83	88.03	241.83	65.12
	502	92	0.468	16.802	44.41	87.75	251.62	80.38
	503	92	0.488	17.186	31.52	90.46	242.12	90.24
	504	92	0.471	18.539	42.54	94.95	244.17	50.69

Table D-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight					
			Weight	Epididymides	Heart	Kidneys	Liver	Lungs
B120M	505	92	0.449	18.372	32.46	90.21	212.33	47.29
	506	92	0.480	16.573	58.16	86.14	273.88	117.32
	507	92	0.476	19.714	46.23	122.11	315.07	101.81
	508	92	0.493	19.339	39.57	86.92	245.35	64.30
	509	92	0.513	15.660	30.56	91.10	269.81	57.79
	510	92	0.501	17.602	42.70	86.79	267.65	55.18
	511	93	0.504	18.607	33.70	101.88	242.95	49.91
	512	93	0.482	23.528	54.62	97.78	298.88	92.12
	513	93	0.459	20.017	38.34	99.61	254.63	52.89
	514	93	0.507	17.512	42.90	72.69	256.53	89.93
	515	93	0.492	16.575	42.04	84.16	240.19	54.06
	516	93	0.473	17.513	46.21	97.34	237.44	91.58
	517	93	0.470	19.979	44.32	101.98	247.75	94.68
	518	93	0.494	20.720	55.26	111.76	278.03	81.99
	519	93	0.503	18.733	30.69	91.10	211.72	54.01
	520	93	0.491	16.025	38.04	93.97	259.13	93.24
E6M	601	92	0.486	20.391	52.00	131.11	268.46	85.04
	602	92	0.488	22.352	55.21	115.12	283.90	93.34
	603	92	0.506	21.048	57.65	111.85	264.23	94.07
	604	92	0.524	22.307	50.76	96.24	248.17	82.66
	605	92	0.488	20.119	44.98	103.90	213.39	58.22
	606	92	0.526	24.881	57.88	116.49	261.61	119.76
	607	92	0.511	22.620	51.84	138.92	308.89	80.28
	608	92	0.538	18.290	46.80	115.20	272.68	78.94
	609	92	0.455	23.540	37.57	127.67	265.39	96.88
	610	92	0.519	20.883	46.22	112.53	277.81	71.50
	611	93	0.507	17.374	56.17	149.83	297.55	84.34
	612	93	0.494	18.344	46.93	111.62	313.50	71.43

Table D-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight	Epididymides	Heart	Kidneys	Liver	Lungs
E6M	613	93	0.464	20.844	53.40	110.08	294.96	93.54
	614	93	0.472	19.928	58.03	104.19	275.79	80.45
	615	93	0.479	22.512	65.49	141.66	280.78	77.63
	616	93	0.493	21.569	47.72	99.86	265.72	76.48
	617	93	0.520	20.092	44.45	129.19	312.11	95.67
	618	93	0.527	21.973	59.28	143.53	326.76	83.19
	619	93	0.510	18.064	60.85	132.25	269.44	87.75
	620	93	0.536	28.089	54.16	119.48	279.00	77.19
E60M	701	92	0.460	13.944	45.53	110.10	250.26	97.76
	702	92	0.465	22.208	51.09	89.33	259.46	70.09
	703	92	0.534	18.434	53.03	118.15	242.99	63.53
	704	92	0.505	17.939	54.47	108.70	261.25	80.57
	705	92	0.489	17.457	38.61	112.63	243.05	117.85
	706	92	0.497	19.445	43.51	114.54	262.18	117.86
	707	92	0.491	16.059	50.93	130.85	262.01	120.15
	708	92	0.428	22.134	44.27	109.32	253.19	77.77
	709	92	0.486	18.077	37.55	100.19	244.06	82.48
	710	92	0.512	22.717	42.15	108.05	290.71	65.22
	711	93	0.501	20.567	43.49	94.51	273.51	84.36
	712	93	0.496	18.290	55.11	106.45	291.01	88.61
	713	93	0.506	16.196	55.60	104.48	284.81	81.87
	714	93	0.485	21.624	51.64	107.73	261.93	71.59
	715	93	0.473	23.822	45.51	101.10	211.88	43.99
	716	93	0.514	16.933	49.14	94.30	310.69	94.28
	717	93	0.525	18.513	47.53	104.94	274.36	83.16
	718	93	0.486	21.991	43.02	94.61	226.64	80.37
	719	93	0.499	20.032	47.60	88.00	265.99	75.30
	720	93	0.487	19.310	39.46	119.95	286.54	66.82

Table D-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight					
			Weight	Epididymides	Heart	Kidneys	Liver	Lungs
E120M	801	92	0.450	20.298	49.64	119.63	304.14	81.99
	802	92	0.482	17.126	41.32	93.41	246.01	77.94
	803	92	0.477	18.077	49.58	89.48	201.34	69.84
	804	92	0.471	17.293	39.32	96.32	270.89	61.40
	805	92	0.442	19.127	39.36	101.38	285.80	68.08
	806	92	0.463	14.141	35.28	99.20	236.03	91.41
	807	92	0.451	19.792	37.81	124.09	269.81	116.36
	808	92	0.471	17.329	42.73	96.41	228.43	102.27
	809	92	0.504	19.409	50.30	96.27	250.97	86.36
	810	92	0.497	18.127	57.72	124.95	279.60	84.23
	811	93	0.510	15.951	35.65	92.02	222.36	48.52
	812	93	0.538	20.175	37.71	76.56	224.76	74.51
	813	93	0.462	20.558	43.30	100.54	237.57	80.78
	814	93	0.463	21.407	48.14	92.02	272.36	86.30
	815	93	0.485	19.913	46.76	86.79	257.47	98.53
	816	93	0.482	19.921	31.41	77.43	242.48	55.93
	817	93	0.505	18.459	30.58	77.56	216.12	80.06
	818	93	0.503	18.109	45.75	95.60	243.64	80.04
	819	93	0.488	23.626	43.64	99.55	249.24	79.70
	820	93	0.500	18.839	46.73	108.05	245.75	81.70

Table D-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight	Prostate	Salivary Gland	Spleen	Testes	Thymus
CM	101	92	0.486	7.27	36.85	10.73	48.47	4.20
	102	92	0.534	12.74	48.75	12.50	49.09	3.90
	103	92	0.521	16.08	38.67	11.07	47.02	8.29
	104	92	0.511	9.24	55.52	13.21	69.82	3.86
	105	92	0.497	16.17	56.19	12.06	47.09	4.47
	106	92	0.513	28.98	63.67	13.11	56.94	4.47
	107	92	0.513	16.98	68.87	31.48	53.61	4.87
	108	92	0.568	8.59	49.56	14.07	54.14	5.56
	109	92	0.459	16.62	55.17	14.98	44.74	7.72
	110	92	0.466	15.14	49.84	12.88	55.87	4.06
	111	93	0.475	15.98	56.89	16.29	50.98	5.26
	112	93	0.496	13.19	54.29	16.01	47.17	3.33
	113	93	0.460	14.01	53.76	19.16	50.61	6.21
	114	93	0.495	18.47	56.50	20.51	43.95	4.47
	115	93	0.475	15.16	64.31	16.32	52.60	5.62
	116	93	0.545	23.40	62.56	13.49	52.18	8.83
	117	93	0.480	15.63	60.75	18.47	50.74	3.27
	118	93	0.526	16.07	57.07	21.93	48.46	5.53
	119	93	0.505	18.55	48.39	17.28	43.46	6.26
	120	93	0.514	14.72	53.57	16.46	53.88	4.49
NT120M	201	92	0.494	14.58	40.64	11.73	43.89	4.77
	202	92	0.495	13.42	39.34	10.96	47.25	4.76
	203	92	0.424	17.11	45.60	9.96	73.31	2.71
	204	92	0.464	9.92	49.12	17.11	52.05	5.76
	205	92	0.466	15.22	30.03	13.52	47.13	2.77
	206	92	0.471	17.29	50.73	23.22	55.19	4.80
	207	92	0.490	6.78	29.62	10.96	52.23	3.86
	208	92	0.479	12.83	53.60	34.24	47.63	6.49

Table D-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight	Prostate	Salivary Gland	Spleen	Testes	Thymus
NT120M	209	92	0.494	12.97	45.52	12.12	46.17	3.61
	210	92	0.487	11.94	36.11	11.54	47.37	4.93
	211	93	0.439	14.77	41.93	13.64	56.70	6.74
	212	93	0.464	19.32	52.59	13.15	39.93	3.77
	213	93	0.473	12.95	36.49	15.28	52.00	2.65
	214	93	0.493	14.15	39.17	14.54	56.39	3.87
	215	93	0.487	12.82	37.02	15.27	54.82	3.47
	216	93	0.505	15.64	43.38	16.14	48.15	6.20
	217	93	0.471	20.58	44.80	12.18	59.06	4.54
	218	93	0.528	10.58	45.62	12.08	44.86	3.31
	219	93	0.482	23.67	40.56	13.45	50.09	5.50
	220	93	0.473	12.18	49.10	13.21	56.10	2.96
B6M	301	92	0.531	12.28	50.90	12.49	38.41	5.01
	302	92	0.444	16.47	42.29	16.40	57.66	4.48
	303	92	0.502	17.24	53.74	22.00	39.07	5.69
	304	92	0.489	15.66	62.29	17.70	49.26	2.94
	305	92	0.463	23.26	64.40	15.69	47.32	6.27
	306	92	0.509	19.76	38.33	15.99	49.00	2.38
	307	92	0.530	15.84	58.96	19.33	47.27	4.27
	308	92	0.526	7.61	57.52	18.38	48.41	3.18
	309	92	0.509	13.22	58.03	9.48	45.19	4.48
	310	92	0.463	13.57	57.95	10.76	49.39	6.44
	311	93	0.464	12.70	54.14	15.05	48.02	7.52
	312	93	0.504	15.88	51.31	12.47	42.47	6.70
	313	93	0.485	16.18	58.96	17.58	23.44	5.09
	314	93	0.513	11.39	53.19	12.60	53.77	3.73
	315	93	0.473	24.11	57.48	15.30	59.07	5.78
	316	93	0.467	16.51	50.97	19.06	40.65	9.04

Table D-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight	Prostate	Salivary Gland	Spleen	Testes	Thymus
B6M	317	93	0.498	8.70	62.88	11.17	51.09	7.96
	318	93	0.499	13.08	53.86	13.38	44.74	6.97
	319	93	0.498	14.35	48.92	15.61	42.46	5.26
	320	93	0.510	10.91	48.22	17.05	46.79	4.80
B60M	401	92	0.460	8.20	38.63	5.11	41.88	1.13
	402	92	0.479	8.00	47.96	9.36	58.01	3.86
	403	92	0.509	11.26	45.21	13.01	44.15	4.70
	404	92	0.553	7.52	39.48	13.76	50.20	3.85
	405	92	0.579	10.46	37.28	10.22	44.88	2.73
	406	92	0.405	22.04	52.15	18.08	71.34	7.68
	407	92	0.487	15.99	60.14	14.59	50.35	4.08
	408	92	0.509	9.90	45.75	19.81	56.19	6.01
	409	92	0.508	9.30	44.93	11.92	48.32	4.51
	410	92	0.521	12.63	52.95	14.85	43.85	3.05
	411	93	0.510	12.60	50.52	17.83	51.44	3.27
	412	93	0.454	10.78	40.15	12.08	44.64	5.60
	413	93	0.512	18.77	47.60	6.70	38.40	3.38
	414	93	0.464	11.11	48.06	13.31	61.13	4.26
	415	93	0.510	9.10	38.77	14.68	55.41	3.59
	416	93	0.497	23.14	45.00	14.80	53.39	6.62
	417	93	0.468	13.75	41.89	13.06	45.03	4.17
	418	93	0.483	17.08	44.19	17.42	51.94	5.09
	419	93	0.543	9.27	45.48	15.77	44.04	6.06
	420	93	0.496	12.34	47.18	17.44	49.94	4.56
B120M	501	92	0.479	15.73	47.62	11.55	49.04	5.08
	502	92	0.468	11.06	31.51	10.57	52.20	6.19
	503	92	0.488	12.67	45.84	12.98	42.33	3.79
	504	92	0.471	15.71	40.62	12.15	45.53	5.65

Table D-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight	Prostate	Salivary Gland	Spleen	Testes	Thymus
B120M	505	92	0.449	10.66	33.62	10.64	59.42	2.85
	506	92	0.480	9.78	44.07	17.14	46.45	7.40
	507	92	0.476	17.05	44.72	21.63	39.53	6.74
	508	92	0.493	12.22	41.62	9.57	58.54	6.63
	509	92	0.513	9.97	46.05	16.81	38.16	7.25
	510	92	0.501	14.81	46.35	10.55	49.91	5.71
	511	93	0.504	13.05	35.71	9.36	44.95	4.74
	512	93	0.482	16.92	49.38	15.88	59.10	4.17
	513	93	0.459	8.84	31.78	12.35	43.98	4.64
	514	93	0.507	14.59	36.84	12.85	42.74	4.17
	515	93	0.492	16.13	41.41	9.82	45.82	2.99
	516	93	0.473	20.41	43.82	11.13	50.80	3.34
	517	93	0.470	13.65	47.01	13.53	61.00	4.37
	518	93	0.494	13.68	46.44	19.53	55.02	5.00
	519	93	0.503	11.14	41.40	9.83	53.46	3.95
	520	93	0.491	12.56	40.48	12.79	45.23	2.91
E6M	601	92	0.486	14.84	53.72	15.93	48.40	6.03
	602	92	0.488	14.14	56.59	15.65	44.70	7.85
	603	92	0.506	17.65	36.08	10.43	61.92	3.80
	604	92	0.524	14.95	44.50	11.04	48.78	4.37
	605	92	0.488	4.45	45.43	8.39	49.88	2.34
	606	92	0.526	17.02	50.12	14.59	61.54	4.72
	607	92	0.511	23.29	49.02	17.65	34.76	5.86
	608	92	0.538	13.40	55.95	19.65	49.39	4.03
	609	92	0.455	11.18	57.77	14.14	59.24	4.26
	610	92	0.519	21.94	47.90	21.04	45.35	5.61
	611	93	0.507	20.18	52.56	15.14	46.38	5.88
	612	93	0.494	17.33	52.54	19.76	44.40	6.05

Table D-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight	Prostate	Salivary Gland	Spleen	Testes	Thymus
E6M	613	93	0.464	16.04	53.64	15.05	54.57	9.91
	614	93	0.472	9.64	47.18	15.18	57.26	5.42
	615	93	0.479	15.33	45.86	19.11	55.79	4.86
	616	93	0.493	16.46	47.96	15.85	55.97	8.74
	617	93	0.520	23.05	49.64	17.02	46.30	5.60
	618	93	0.527	21.35	50.11	12.49	42.62	11.18
	619	93	0.510	4.68	53.59	15.99	39.36	5.04
	620	93	0.536	21.24	50.91	17.77	41.69	5.94
E60M	701	92	0.460	10.62	43.74	13.10	22.59	4.56
	702	92	0.465	12.24	49.97	13.21	63.57	5.51
	703	92	0.534	12.78	46.76	12.40	27.71	4.27
	704	92	0.505	8.23	42.18	7.29	55.08	3.27
	705	92	0.489	9.22	39.41	13.29	49.24	3.99
	706	92	0.497	14.18	47.28	13.53	55.88	3.94
	707	92	0.491	13.21	44.75	14.55	30.98	4.79
	708	92	0.428	13.40	42.28	14.99	54.28	4.27
	709	92	0.486	14.64	39.65	13.77	50.40	4.10
	710	92	0.512	20.66	43.73	14.25	47.04	9.85
	711	93	0.501	20.43	38.06	14.26	47.30	5.41
	712	93	0.496	9.11	44.57	12.99	47.83	2.26
	713	93	0.506	11.97	45.09	11.79	37.47	3.40
	714	93	0.485	11.28	48.84	15.36	53.27	4.23
	715	93	0.473	10.25	44.81	9.19	56.06	2.13
	716	93	0.514	30.77	48.37	14.48	49.77	6.15
	717	93	0.525	13.52	55.16	20.34	43.34	5.24
	718	93	0.486	14.03	45.48	12.84	45.75	5.12
	719	93	0.499	18.35	47.20	12.84	43.69	3.53
	720	93	0.487	9.05	50.85	13.85	54.05	5.91

Table D-5. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Males

Group	Animal ID	Day	Absolute Brain Weight	Prostate	Salivary Gland	Spleen	Testes	Thymus
E120M	801	92	0.450	16.07	40.66	15.32	55.62	8.16
	802	92	0.482	8.29	42.05	13.04	48.25	5.62
	803	92	0.477	11.63	38.54	16.53	59.59	1.70
	804	92	0.471	17.85	40.79	10.52	50.18	5.76
	805	92	0.442	7.53	35.61	10.67	41.22	3.91
	806	92	0.463	14.87	31.33	14.87	39.77	6.11
	807	92	0.451	14.34	63.83	14.25	51.40	10.53
	808	92	0.471	12.98	34.32	11.19	48.27	5.97
	809	92	0.504	9.50	46.53	16.48	44.89	4.56
	810	92	0.497	11.02	51.16	15.47	46.69	4.87
	811	93	0.510	9.78	51.58	9.50	47.64	4.04
	812	93	0.538	8.64	39.46	9.73	49.36	2.95
	813	93	0.462	14.33	36.44	10.11	65.74	4.46
	814	93	0.463	9.19	49.70	17.80	46.27	2.83
	815	93	0.485	13.52	44.22	11.47	40.30	5.43
	816	93	0.482	11.61	32.01	11.77	52.28	4.93
	817	93	0.505	14.62	36.36	14.68	47.28	5.47
	818	93	0.503	14.09	44.04	9.85	43.20	3.76
	819	93	0.488	17.82	51.52	12.26	50.74	5.52
	820	93	0.500	13.49	48.65	14.65	46.13	7.01

Table D-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Heart	Kidneys	Liver	Lungs	Salivary Gland
CF	151	93	0.503	30.77	60.21	195.62	61.01	27.67
	152	93	0.490	33.50	73.16	214.50	65.89	36.58
	153	93	0.492	27.10	68.36	241.20	93.63	35.56
	154	93	0.483	34.39	65.71	222.10	73.62	27.39
	155	93	0.485	35.03	65.16	188.58	68.33	26.83
	156	93	0.485	46.68	79.36	245.81	47.03	33.18
	157	93	0.502	30.64	52.91	233.93	39.93	31.12
	158	93	0.489	36.18	75.78	216.83	53.28	35.30
	159	93	0.458	27.33	64.87	213.20	57.35	32.84
	160	93	0.478	45.10	76.91	264.15	93.15	30.72
	161	94	0.554	33.03	69.12	197.65	51.24	25.34
	162	94	0.536	34.43	59.78	194.06	66.97	25.54
	163	94	0.478	37.23	72.54	277.17	72.16	29.45
	164	94	0.477	28.54	66.69	234.06	57.00	27.91
	165	94	0.483	25.50	58.03	207.08	68.89	28.21
	166	94	0.516	27.12	64.39	234.84	53.68	34.39
	167	94	0.514	26.68	66.73	211.06	79.90	34.38
	168	94	0.512	45.39	78.96	250.82	78.55	34.66
	169	94	0.525	40.16	65.87	184.85	88.45	26.82
	170	94	0.517	35.41	61.01	231.37	73.96	24.98
NT120F	251	93	0.478	29.09	69.68	217.34	51.77	34.07
	252	93	0.449	39.32	56.36	193.36	59.08	27.07
	253	93	0.459	23.64	61.44	178.19	67.10	22.53
	254	93	0.488	36.33	58.41	195.37	81.34	22.10
	255	93	0.499	25.64	54.69	132.46	37.05	20.67
	256	93	0.462	25.29	63.28	217.03	47.97	27.11
	257	93	0.496	32.91	65.11	209.36	57.83	29.18
	258	93	0.502	29.43	52.83	171.19	47.03	28.22

Table D-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Heart	Kidneys	Liver	Lungs	Salivary Gland
NT120F	259	93	0.493	28.88	61.62	180.28	61.74	24.22
	260	93	0.497	22.94	64.21	189.90	47.65	23.94
	261	94	0.472	33.78	67.28	192.84	57.49	31.34
	262	94	0.481	30.34	57.07	182.42	68.14	26.21
	263	94	0.509	34.52	61.25	189.28	50.90	31.68
	264	94	0.512	26.01	60.56	196.47	42.31	25.07
	265	94	0.466	28.16	62.84	203.57	54.09	35.79
	266	94	0.481	30.21	55.46	186.05	56.64	24.08
	267	94	0.548	25.46	68.44	191.09	50.90	25.19
	268	94	0.455	43.44	74.77	244.61	82.31	43.16
	269	94	0.484	34.11	66.21	195.06	69.53	26.79
	270	94	0.516	37.11	60.60	202.92	73.06	29.19
B6F	351	93	0.435	26.14	63.09	222.76	63.05	31.03
	352	93	0.505	23.61	59.66	225.35	49.15	31.12
	353	93	0.472	32.48	62.77	186.50	65.74	34.98
	354	93	0.485	35.35	68.94	217.62	67.19	23.46
	355	93	0.500	28.35	58.77	185.68	62.75	32.71
	356	93	0.514	39.09	71.53	230.75	71.18	24.64
	357	93	0.548	32.80	59.01	175.67	38.98	22.74
	358	93	0.474	40.22	70.61	230.21	61.96	32.36
	359	93	0.512	36.99	65.45	213.38	63.91	25.31
	360	93	0.485	43.64	63.46	237.08	85.09	33.99
	361	94	0.525	43.11	65.84	239.30	65.37	32.06
	362	94	0.528	28.94	46.81	190.26	64.32	20.37
	363	94	0.518	28.11	52.92	180.85	57.55	26.49
	364	94	0.514	38.90	63.32	186.66	56.30	23.33
	365	94	0.507	33.29	67.50	241.43	73.06	36.80
	366	94	0.503	27.52	58.32	190.27	46.88	32.33

Table D-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Heart	Kidneys	Liver	Lungs	Salivary Gland
B6F	367	94	0.513	30.45	58.80	189.88	61.74	24.62
	368	94	0.496	31.42	70.56	235.66	60.73	37.44
	369	94	0.479	30.09	62.61	221.46	70.01	30.37
	370	94	0.519	37.99	68.93	210.40	74.97	26.51
B60F	451	93	0.439	29.69	63.02	222.50	61.29	31.08
	452	93	0.485	42.36	65.92	189.56	64.06	27.54
	453	93	0.498	33.22	58.35	156.84	41.15	25.67
	454	93	0.495	40.75	73.51	214.30	66.79	30.92
	455	93	0.515	40.26	56.75	224.77	74.10	30.77
	456	93	0.494	35.38	68.30	208.17	45.60	27.74
	457	93	0.497	41.69	66.91	225.95	72.85	28.66
	458	93	0.482	37.65	64.01	207.72	61.85	31.55
	459	93	0.461	37.60	75.68	263.46	66.09	30.61
	460	93	0.470	29.93	62.71	198.96	88.99	26.26
	461	94	0.453	26.09	65.19	193.60	99.03	26.75
	462	94	0.469	27.68	60.09	176.16	57.57	27.81
	463	94	0.479	29.84	64.27	207.03	63.29	27.61
	464	94	0.510	41.58	70.13	212.67	71.19	26.14
	465	94	0.493	33.73	79.42	224.54	81.06	27.32
	466	94	0.506	36.87	57.72	163.21	71.74	30.53
	467	94	0.500	40.46	55.36	204.12	69.22	24.78
	468	94	0.491	45.93	71.20	247.01	80.54	33.36
	469	94	0.500	35.72	70.32	191.00	69.90	31.68
	470	94	0.547	32.38	59.34	225.27	37.22	24.26
B120F	551	93	0.471	27.01	60.01	181.39	44.75	23.23
	552	93	0.510	37.70	61.92	205.53	59.14	22.97
	553	93	0.462	39.67	74.43	224.10	78.39	32.23
	554	93	0.456	45.94	57.97	181.04	47.28	24.17

Table D-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Heart	Kidneys	Liver	Lungs	Salivary Gland
B120F	555	93	0.489	27.98	50.98	188.04	58.63	29.23
	556	93	0.503	44.34	71.38	287.66	71.94	36.32
	557	93	0.469	33.53	57.86	219.86	45.92	28.53
	558	93	0.472	32.01	59.90	180.80	58.58	22.17
	559	93	0.583	25.69	51.66	168.83	54.51	24.79
	560	93	0.487	37.69	64.26	216.43	66.15	35.00
	561	94	0.505	27.85	56.85	198.56	60.87	29.83
	562	94	0.514	34.94	63.07	190.12	58.56	22.14
	563	94	0.497	32.04	71.22	202.50	56.38	24.99
	564	94	0.488	42.58	80.72	262.47	74.71	33.53
	565	94	0.510	35.97	64.81	187.00	58.20	32.76
	566	94	0.509	48.91	69.41	240.63	66.23	27.95
	567	94	0.519	22.54	55.72	222.29	64.57	22.66
	568	94	0.514	38.21	48.23	196.34	53.19	20.85
	569	94	0.501	32.59	68.63	207.33	66.93	21.82
	570	94	0.455	34.94	58.91	201.71	60.03	28.28
E6F	651	93	0.461	37.39	69.49	263.07	82.93	36.02
	652	93	0.514	41.64	68.72	209.23	55.58	28.10
	653	93	0.524	22.48	50.72	165.39	63.02	27.99
	654	93	0.482	33.56	79.83	269.45	62.66	28.58
	655	93	0.532	29.42	58.34	209.20	53.30	27.14
	656	93	0.538	26.40	57.92	249.68	47.71	28.17
	657	93	0.507	37.73	61.21	199.17	42.54	24.23
	658	93	0.495	28.88	64.61	205.42	60.99	25.32
	659	93	0.517	31.60	65.42	199.94	41.03	25.51
	660	93	0.458	46.36	77.28	254.47	91.46	32.42
	661	94	0.514	34.06	71.35	222.30	59.65	34.29
	662	94	0.528	34.80	68.78	208.94	75.11	23.81

Table D-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Heart	Kidneys	Liver	Lungs	Salivary Gland
E6F	663	94	0.476	30.21	58.88	216.75	69.65	28.57
	664	94	0.525	36.48	67.07	199.22	83.01	23.16
	665	94	0.505	27.19	65.93	239.02	88.96	28.83
	666	94	0.493	37.66	60.88	211.94	54.17	30.30
	667	94	0.454	33.72	78.77	238.39	54.71	30.90
	668	94	0.496	26.66	62.79	194.61	43.26	25.09
	669	94	0.497	28.64	65.82	246.88	81.10	28.36
	670	94	0.475	47.33	57.54	224.13	72.74	33.16
E60F	751	93	0.554	41.02	63.53	203.50	58.60	32.24
	752	93	0.447	49.32	76.91	228.26	89.64	34.48
	753	93	0.480	31.00	53.38	199.46	55.15	26.46
	754	93	0.457	44.06	61.61	171.92	87.92	28.91
	755	93	0.490	30.02	75.84	219.24	49.82	32.88
	756	93	0.477	38.08	65.21	222.29	83.95	28.05
	757	93	0.504	33.46	73.92	218.81	65.75	37.23
	758	93	0.461	34.01	64.30	227.63	61.55	32.08
	759	93	0.551	28.13	65.25	202.90	65.75	27.77
	760	93	0.462	33.77	62.44	200.41	64.60	24.37
	761	94	0.479	47.33	67.68	231.47	67.59	35.89
	762	94	0.489	30.22	78.35	236.20		26.89
	763	94	0.505	39.05	59.68	202.47	90.14	35.87
	764	94	0.456	25.64	57.79	207.87	50.45	29.08
	765	94	0.453	37.70	64.70	201.32	64.66	28.61
	766	94	0.484	38.11	64.68	219.37	61.35	27.16
	767	94	0.529	22.97	56.97	169.81	70.03	25.77
	768	94	0.468	35.38	60.06	205.24	55.40	31.47
	769	94	0.464	34.63	56.68	220.33	38.80	28.60
	770	94	0.507	26.58	65.75	188.96	57.44	26.58

Table D-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Heart	Kidneys	Liver	Lungs	Salivary Gland
E120F	851	93	0.525	23.20	48.69	194.44	56.09	20.25
	852	93	0.460	30.88	64.38	217.63	52.42	25.45
	853	93	0.522	24.06	62.98	201.34	48.20	26.67
	854	93	0.498	31.42	56.81	231.76	57.83	21.03
	855	93	0.496	25.95	57.00	178.84	45.68	23.68
	856	93	0.465	29.78	61.55	195.07		25.69
	857	93	0.459	27.06	69.58	220.20	76.40	32.99
	858	93	0.510	23.57	47.45	174.51	62.74	24.45
	859	93	0.483	25.66	63.70	245.63	50.23	32.04
	860	93	0.536	31.11	58.20	182.54	54.21	29.01
	861	94	0.482	22.35	61.83	173.63	49.41	27.97
	862	94	0.480	40.65	62.86	200.15	78.87	28.10
	863	94	0.484	25.63	59.30	191.65	49.03	22.30
	864	94	0.452	37.14	66.95	207.66	62.90	24.28
	865	94	0.504	34.89	59.00	199.01	73.31	19.87
	866	94	0.477	29.14	61.90	201.41	61.10	28.24
	867	94	0.502	26.70	60.74	215.48	54.44	26.72
	868	94	0.484	22.58	60.26	203.99	57.47	31.55
	869	94	0.477	36.79	69.77	216.71	54.11	28.93
	870	94	0.501	28.38	61.85	236.46	62.88	31.01

Table D-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Spleen	Thymus	Uterus
CF	151	93	0.503	12.79	5.73	24.45
	152	93	0.490	15.19	7.14	25.10
	153	93	0.492	16.56	7.28	35.36
	154	93	0.483	11.92	5.65	65.09
	155	93	0.485	14.47	5.54	49.91
	156	93	0.485	20.89	4.66	79.42
	157	93	0.502	26.10	7.68	21.25
	158	93	0.489	14.17	6.65	31.19
	159	93	0.458	20.84	5.79	37.16
	160	93	0.478	16.67	9.55	32.68
	161	94	0.554	14.14	5.04	22.09
	162	94	0.536	16.24	7.02	26.66
	163	94	0.478	23.92	6.61	73.88
	164	94	0.477	17.96	5.06	34.46
	165	94	0.483	15.52	8.40	45.80
	166	94	0.516	20.88	7.17	24.78
	167	94	0.514	14.54	4.55	21.85
	168	94	0.512	16.28	4.20	20.16
	169	94	0.525	14.14	8.77	28.17
	170	94	0.517	17.51	6.94	39.78
NT120F	251	93	0.478	16.06	5.42	56.36
	252	93	0.449	14.50	5.26	41.17
	253	93	0.459	8.24	3.90	20.39
	254	93	0.488	17.08	7.00	50.30
	255	93	0.499	8.06	4.21	46.69
	256	93	0.462	19.65	7.96	66.23
	257	93	0.496	17.46	5.36	57.65
	258	93	0.502	12.11	7.35	42.97

Table D-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Spleen	Thymus	Uterus
NT120F	259	93	0.493	19.92	2.70	69.59
	260	93	0.497	14.65	6.50	46.18
	261	94	0.472	13.77	4.70	34.35
	262	94	0.481	18.85	9.06	41.25
	263	94	0.509	15.22	5.44	26.30
	264	94	0.512	14.29	5.47	43.81
	265	94	0.466	14.16	7.00	73.00
	266	94	0.481	14.99	5.32	44.54
	267	94	0.548	8.44	4.24	38.52
	268	94	0.455	18.28	6.15	46.32
	269	94	0.484	20.53	4.94	48.41
	270	94	0.516	14.29	6.59	26.05
B6F	351	93	0.435	19.68	10.11	32.66
	352	93	0.505	21.65	7.62	61.16
	353	93	0.472	14.10	5.15	55.01
	354	93	0.485	13.27	6.52	60.07
	355	93	0.500	15.16	3.70	33.95
	356	93	0.514	14.93	4.05	32.26
	357	93	0.548	13.59	6.52	40.88
	358	93	0.474	13.47	4.67	25.35
	359	93	0.512	14.51	7.42	44.45
	360	93	0.485	18.35	6.76	27.92
	361	94	0.525	14.89	7.67	35.93
	362	94	0.528	12.89	8.09	47.55
	363	94	0.518	13.29	7.61	18.61
	364	94	0.514	13.71	5.73	45.84
	365	94	0.507	14.71	10.31	27.41
	366	94	0.503	15.46	10.43	41.56

Table D-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Spleen	Thymus	Uterus
B6F	367	94	0.513	20.35	3.78	41.10
	368	94	0.496	17.09	8.21	37.11
	369	94	0.479	14.23	6.73	20.15
	370	94	0.519	15.33	6.64	31.31
B60F	451	93	0.439	16.19	6.15	24.16
	452	93	0.485	14.01	5.16	52.88
	453	93	0.498	10.82	3.73	45.28
	454	93	0.495	21.74	5.52	28.27
	455	93	0.515	15.30	4.15	51.64
	456	93	0.494	9.99	3.84	24.24
	457	93	0.497	17.05	7.33	24.62
	458	93	0.482	6.85	4.58	23.19
	459	93	0.461	23.80	7.27	38.82
	460	93	0.470	18.02	9.61	44.90
	461	94	0.453	17.22	4.61	29.62
	462	94	0.469	12.47	4.25	26.70
	463	94	0.479	17.17	3.53	32.74
	464	94	0.510	12.55	6.75	37.89
	465	94	0.493	15.04	5.62	35.60
	466	94	0.506	11.95	4.96	50.81
	467	94	0.500	15.64	4.40	33.40
	468	94	0.491	19.97	7.42	46.91
	469	94	0.500	16.28	7.22	51.68
	470	94	0.547	18.96	4.92	17.86
B120F	551	93	0.471	12.54	6.23	43.97
	552	93	0.510	12.54	7.72	33.65
	553	93	0.462	15.64	8.37	61.97
	554	93	0.456	14.18	4.52	36.02

Table D-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Spleen	Thymus	Uterus
B120F	555	93	0.489	11.61	5.85	35.49
	556	93	0.503	19.18	6.33	23.74
	557	93	0.469	13.22	6.48	33.85
	558	93	0.472	12.48	5.04	27.17
	559	93	0.583	10.80	5.01	37.98
	560	93	0.487	20.17	7.39	32.19
	561	94	0.505	14.31	3.82	38.68
	562	94	0.514	12.96	3.74	19.26
	563	94	0.497	15.34	7.37	34.45
	564	94	0.488	17.90	6.28	22.37
	565	94	0.510	11.68	8.04	20.88
	566	94	0.509	20.09	5.33	39.04
	567	94	0.519	17.61	3.62	28.42
	568	94	0.514	16.37	5.11	23.78
	569	94	0.501	15.78	4.48	28.33
	570	94	0.455	12.92	4.77	39.84
E6F	651	93	0.461	18.07	6.44	28.65
	652	93	0.514	7.05	6.27	28.55
	653	93	0.524	8.68	3.34	20.97
	654	93	0.482	18.88	5.52	69.49
	655	93	0.532	17.94	6.04	16.21
	656	93	0.538	16.18	7.43	33.70
	657	93	0.507	14.34	6.47	38.73
	658	93	0.495	12.91	4.69	18.13
	659	93	0.517	12.37	5.01	66.67
	660	93	0.458	17.26	4.15	60.17
	661	94	0.514	15.60	7.85	30.50
	662	94	0.528	13.53	6.10	18.89

Table D-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Spleen	Thymus	Uterus
E6F	663	94	0.476	17.02	7.16	18.12
	664	94	0.525	14.59	4.70	31.64
	665	94	0.505	13.93	7.49	58.88
	666	94	0.493	15.76	8.38	32.67
	667	94	0.454	20.00	9.27	47.60
	668	94	0.496	15.21	3.79	36.12
	669	94	0.497	18.96	6.94	31.12
	670	94	0.475	12.04	4.95	28.25
E60F	751	93	0.554	17.31	5.16	24.57
	752	93	0.447	21.10	5.71	53.61
	753	93	0.480	21.04	7.85	26.02
	754	93	0.457	16.66	4.01	21.97
	755	93	0.490	27.35	5.56	26.04
	756	93	0.477	26.46	5.22	28.80
	757	93	0.504	13.93	4.70	30.74
	758	93	0.461	16.35	7.07	37.91
	759	93	0.551	20.44	5.31	31.09
	760	93	0.462	12.91	5.39	34.73
	761	94	0.479	11.31	6.39	49.19
	762	94	0.489	21.42	8.35	97.48
	763	94	0.505	16.77	5.46	58.25
	764	94	0.456	12.58	7.82	22.55
	765	94	0.453	20.88	6.51	44.97
	766	94	0.484	21.46	7.01	27.04
	767	94	0.529	9.78	3.04	29.51
	768	94	0.468	14.76	6.50	43.49
	769	94	0.464	18.65	6.63	29.80
	770	94	0.507	16.76	4.32	51.63

Table D-6. Individual Animal Brain Weights (g) and Percent Organ-to-Brain Weight Ratios – Females

Group	Animal ID	Day	Absolute Brain Weight	Spleen	Thymus	Uterus
E120F	851	93	0.525	9.54	8.25	18.48
	852	93	0.460	11.41	4.93	27.10
	853	93	0.522	17.98	5.69	44.06
	854	93	0.498	16.43	7.09	21.27
	855	93	0.496	13.82	4.25	20.65
	856	93	0.465	10.74	6.58	45.93
	857	93	0.459	14.43	6.84	65.64
	858	93	0.510	14.66	3.92	22.83
	859	93	0.483	14.74	9.31	22.76
	860	93	0.536	17.22	8.67	49.97
	861	94	0.482	12.54	4.75	31.41
	862	94	0.480	15.59	8.10	37.72
	863	94	0.484	9.82	2.75	20.59
	864	94	0.452	12.08	5.93	23.53
	865	94	0.504	18.46	5.19	55.61
	866	94	0.477	17.02	7.95	25.68
	867	94	0.502	18.55	6.42	53.27
	868	94	0.484	18.21	4.80	23.28
	869	94	0.477	19.81	6.02	34.49
	870	94	0.501	14.90	7.18	38.05

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 101	Group: CM	
Day of Death: 92	Terminal Body Weight: 30.9 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; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 102	Group: CM	
Day of Death: 92	Terminal Body Weight: 34.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Testis	No gross observed on tissue.	Atrophy, germinal epithelium, bilateral, 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; 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; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 103	Group: CM	
Day of Death: 92	Terminal Body Weight: 34.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Stomach	No gross observed on tissue.	Hyperplasia/dilatation, epithelium, mucosa, glandular portion, 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 104	Group: CM	
Day of Death: 92	Terminal Body Weight: 37.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Mammary Gland	No gross observed on tissue.	Tissue is missing.
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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 105	Group: CM	
Day of Death: 92	Terminal Body Weight: 33.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Stomach	No gross observed on tissue.	Inflammation, chronic, tunica muscularis, 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 106	Group: CM	
Day of Death: 92	Terminal Body Weight: 37.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary Gland	No gross observed on tissue.	Tissue is missing.
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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 107	Group: CM	
Day of Death: 92	Terminal Body Weight: 39.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Preputial Gland	Small, right, white, G2/ fibrous attachment between right preputial gland and papillomatous nodule observed in skin.	Pyogranuloma, unilateral, mild. Note: G2=pyogranuloma.
Skin	Nodule, inguinal, tan, papillary, G1/ 2 x 2 x 1 mm.	Hyperplasia, epidermis, mild. Note: G1=epidermal hyperplasia.
Stomach	No gross observed on tissue.	Hyperplasia/dilatation, epithelium, mucosa, glandular portion, 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; 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; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Spinal Cord; Spleen; Sternum; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 108	Group: CM	
Day of Death: 92	Terminal Body Weight: 40.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 109	Group: CM	
Day of Death: 92	Terminal Body Weight: 37.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 110	Group: CM	
Day of Death: 92	Terminal Body Weight: 32.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 111	Group: CM	
Day of Death: 93	Terminal Body Weight: 33.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Mammary Gland	No gross observed on tissue.	Tissue is missing.
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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 112	Group: CM	
Day of Death: 93	Terminal Body Weight: 33.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 113	Group: CM	
Day of Death: 93	Terminal Body Weight: 38.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, mild.
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 114	Group: CM	
Day of Death: 93	Terminal Body Weight: 31.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Epididymis	No gross observed on tissue.	Aspermia, unilateral, marked.
Lung	No gross observed on tissue.	Hyperplasia, alveolar lining cells/bronchial epithelium, focal, minimal.
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Testis	No gross observed on tissue.	Atrophy, germinal epithelium, unilateral, 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; Bone Marrow; Brain; Cecum; Colon; Duodenum; 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; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 115	Group: CM	
Day of Death: 93	Terminal Body Weight: 37.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Liver	No gross observed on tissue.	Infiltration, mononuclear cells, minimal.
Mammary 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; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 116	Group: CM	
Day of Death: 93	Terminal Body Weight: 35.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, minimal.
Mammary 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; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 117	Group: CM	
Day of Death: 93	Terminal Body Weight: 36.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 118	Group: CM	
Day of Death: 93	Terminal Body Weight: 37.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 119	Group: CM	
Day of Death: 93	Terminal Body Weight: 39.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 120	Group: CM	
Day of Death: 93	Terminal Body Weight: 37.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 201	Group: NT120M	
Day of Death: 92	Terminal Body Weight: 32.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Spinal Cord	No gross observed on tissue.	Cyst, 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; 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; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 202	Group: NT120M	
Day of Death: 92	Terminal Body Weight: 32.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 203	Group: NT120M	
Day of Death: 92	Terminal Body Weight: 27.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Granuloma, minimal.
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Stomach	No gross observed on tissue.	Hyperplasia/dilatation, epithelium, mucosa, glandular portion, 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; 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; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 204	Group: NT120M	
Day of Death: 92	Terminal Body Weight: 30.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Infiltration, mononuclear cells, perirenal fat, minimal.
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Preputial Gland	No gross observed on tissue.	Chronic inflammation, unilateral, 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; 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; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 205	Group: NT120M	
Day of Death: 92	Terminal Body Weight: 25.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 206	Group: NT120M	
Day of Death: 92	Terminal Body Weight: 31.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 207	Group: NT120M	
Day of Death: 92	Terminal Body Weight: 30.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Stomach	No gross observed on tissue.	Hyperplasia/dilatation, epithelium, mucosa, glandular portion, 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; 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; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 208	Group: NT120M	
Day of Death: 92	Terminal Body Weight: 34.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Liver	No gross observed on tissue.	Infiltration, mononuclear cells, minimal.
Mammary 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; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 209	Group: NT120M	
Day of Death: 92	Terminal Body Weight: 32.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 210	Group: NT120M	
Day of Death: 92	Terminal Body Weight: 27.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 211	Group: NT120M	
Day of Death: 93	Terminal Body Weight: 28.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 212	Group: NT120M	
Day of Death: 93	Terminal Body Weight: 30.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, minimal.
Mammary 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; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 213	Group: NT120M	
Day of Death: 93	Terminal Body Weight: 28.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 214	Group: NT120M	
Day of Death: 93	Terminal Body Weight: 27.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 215	Group: NT120M	
Day of Death: 93	Terminal Body Weight: 29.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Stomach	No gross observed on tissue.	Hyperplasia/dilatation, epithelium, mucosa, glandular portion, 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; 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; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 216	Group: NT120M	
Day of Death: 93	Terminal Body Weight: 30.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Pharynx	No gross observed on tissue.	Tissue is missing.
Preputial Gland	No gross observed on tissue.	Pyogranuloma, unilateral, 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; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pituitary Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 217	Group: NT120M	
Day of Death: 93	Terminal Body Weight: 31.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 218	Group: NT120M	
Day of Death: 93	Terminal Body Weight: 33.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 219	Group: NT120M	
Day of Death: 93	Terminal Body Weight: 28.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Pituitary Gland	No gross observed on tissue.	Tissue is missing.
Preputial Gland	Small, right, G1/ no preputial gland tissue on right side.	Chronic inflammation, unilateral, mild. Note: G1=chronic inflammation.

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; 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; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 220	Group: NT120M	
Day of Death: 93	Terminal Body Weight: 28.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 420	Group: B60M	
Day of Death: 93	Terminal Body Weight: 35.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Eye	Small, right, G1/ due to injury during terminal blood collection.	Tissue not examined microscopically.
Preputial Gland	Small, right, G2/ no preputial gland tissue on right side.	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 – Males

Animal ID: 501	Group: B120M	
Day of Death: 92	Terminal Body Weight: 31.4 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; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 502	Group: B120M	
Day of Death: 92	Terminal Body Weight: 26.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary Gland	No gross observed on tissue.	Tissue is missing.
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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 503	Group: B120M	
Day of Death: 92	Terminal Body Weight: 27.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary Gland	No gross observed on tissue.	Tissue is missing.
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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 504	Group: B120M	
Day of Death: 92	Terminal Body Weight: 27.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Preputial Gland	Small, right, 1/2 x, G1.	Atrophy, unilateral, marked. 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; 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; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 505	Group: B120M	
Day of Death: 92	Terminal Body Weight: 29.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Inflammation, subacute, minimal.
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Spleen	No gross observed on tissue.	Increased apoptosis, lymphocytes, mild.
Thymus	No gross observed on tissue.	Increased apoptosis, lymphocytes, mild. Atrophy/involution, 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; 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; Sternum; Stomach; Testis; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 506	Group: B120M	
Day of Death: 92	Terminal Body Weight: 33.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Inflammation, chronic, minimal.
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Pancreas	No gross observed on tissue.	Necrosis, 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; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Heart; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Nose/Turbinates; Oral Cavity; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 507	Group: B120M	
Day of Death: 92	Terminal Body Weight: 35.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Mammary Gland	No gross observed on tissue.	Tissue is missing.
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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 508	Group: B120M	
Day of Death: 92	Terminal Body Weight: 27.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Stomach	No gross observed on tissue.	Infiltration, tunica muscularis, lymphocytic, 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; 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; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 509	Group: B120M	
Day of Death: 92	Terminal Body Weight: 33.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Stomach	No gross observed on tissue.	Hyperplasia/dilatation, epithelium, mucosa, glandular portion, 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; 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; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 510	Group: B120M	
Day of Death: 92	Terminal Body Weight: 30.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 511	Group: B120M	
Day of Death: 93	Terminal Body Weight: 28.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary Gland	No gross observed on tissue.	Tissue is missing.
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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 512	Group: B120M	
Day of Death: 93	Terminal Body Weight: 30.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 513	Group: B120M	
Day of Death: 93	Terminal Body Weight: 27.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 514	Group: B120M	
Day of Death: 93	Terminal Body Weight: 29.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Stomach	No gross observed on tissue.	Hyperplasia/dilatation, epithelium, mucosa, glandular portion, 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; 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; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 515	Group: B120M	
Day of Death: 93	Terminal Body Weight: 26.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Inflammation, chronic, minimal.
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Preputial Gland	No gross observed on tissue.	Pyogranuloma, unilateral, mild.
Testis	No gross observed on tissue.	Atrophy, germinal epithelium, bilateral, 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; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Heart; Ileum; Jejunum; 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; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 516	Group: B120M	
Day of Death: 93	Terminal Body Weight: 27.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Mammary Gland	No gross observed on tissue.	Tissue is missing.
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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 517	Group: B120M	
Day of Death: 93	Terminal Body Weight: 29.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Stomach	No gross observed on tissue.	Hyperplasia/dilatation, epithelium, mucosa, glandular portion, 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; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; 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; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 518	Group: B120M	
Day of Death: 93	Terminal Body Weight: 33.8 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; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 519	Group: B120M	
Day of Death: 93	Terminal Body Weight: 27.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Eye	Small, right, G2/ due to injury during termination blood collection.	Unilateral rupture, marked. Note: G2=rupture.
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Preputial Gland	Small, left, G1/ no left preputial tissue present.	Tissue is unremarkable. Note: no corresponding microscopic finding for G1 (small left preputial gland). Both preputial glands were within normal limits.
Stomach	No gross observed on tissue.	Hyperplasia/dilatation, epithelium, mucosa, glandular portion, 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; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 520	Group: B120M	
Day of Death: 93	Terminal Body Weight: 31.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 605		Group: E6M
Day of Death: 92		Terminal Body Weight: 28.9 g
Tissue	Gross Observation(s)	Microscopic Observation(s)
Preputial Gland	Enlarged, right, 2 x, 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-7. Individual Gross and Microscopic Observations – Males

Animal ID: 606	Group: E6M	
Day of Death: 92	Terminal Body Weight: 33.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Liver	Focus, right anterior, 3 x 2 mm, tan, 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-7. Individual Gross and Microscopic Observations – Males

Animal ID: 608	Group: E6M	
Day of Death: 92	Terminal Body Weight: 39.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Jejunum	Nodule, serosa, tan, 3 x 2 x 2 mm, G1.	Diverticulum, mild. Note: G1= diverticulum.

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 – Males

Animal ID: 703	Group: E60M	
Day of Death: 92	Terminal Body Weight: 35.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Epididymis	Small, left, 1/2 x, G2.	Tissue not examined microscopically.
Testis	Small, left, 1/10 x, G1/ near-absence of left testicle.	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 – Males

Animal ID: 705	Group: E60M	
Day of Death: 92	Terminal Body Weight: 30.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Skin	Nodule, caudal (tail), 3 x 2 x 2 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-7. Individual Gross and Microscopic Observations – Males

Animal ID: 713	Group: E60M	
Day of Death: 93	Terminal Body Weight: 32.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Skin	Nodule, caudal (tail), 4 x 3 x 3 mm, G1/ nodule is on tail tattoo.	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 – Males

Animal ID: 717	Group: E60M	
Day of Death: 93	Terminal Body Weight: 34.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lymph Node, Other	Enlarged, bilateral, renal, 4 x, G1. Enlarged, bilateral, lumbar, 5 x, G2.	Miscellaneous tissue not examined.

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 – Males

Animal ID: 801	Group: E120M	
Day of Death: 92	Terminal Body Weight: 31.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Testis	No gross observed on tissue.	Atrophy, germinal epithelium, unilateral, 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; 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; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 802	Group: E120M	
Day of Death: 92	Terminal Body Weight: 28.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 803	Group: E120M	
Day of Death: 92	Terminal Body Weight: 27.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Preputial Gland	Enlarged, left, 2 x, green, G1.	Pyogranuloma, unilateral, mild. Note: G1=pyogranuloma.
Stomach	No gross observed on tissue.	Hyperplasia/dilatation, epithelium, mucosa, glandular portion, 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; 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; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 804	Group: E120M	
Day of Death: 92	Terminal Body Weight: 29.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Inflammation, chronic, minimal. Atrophy, minimal.
Mammary 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; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 805	Group: E120M	
Day of Death: 92	Terminal Body Weight: 27.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 806	Group: E120M	
Day of Death: 92	Terminal Body Weight: 27.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Stomach	No gross observed on tissue.	Hyperplasia/dilatation, epithelium, mucosa, glandular portion, 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; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; 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; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 807	Group: E120M	
Day of Death: 92	Terminal Body Weight: 31.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, minimal.
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Mammary 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; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 808	Group: E120M	
Day of Death: 92	Terminal Body Weight: 28.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 809	Group: E120M	
Day of Death: 92	Terminal Body Weight: 31.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Preputial Gland	No gross observed on tissue.	Pyogranuloma, unilateral, mild.
Stomach	No gross observed on tissue.	Hyperplasia/dilatation, epithelium, mucosa, glandular portion, 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; 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; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 810	Group: E120M	
Day of Death: 92	Terminal Body Weight: 36.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 811	Group: E120M	
Day of Death: 93	Terminal Body Weight: 31.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 812	Group: E120M	
Day of Death: 93	Terminal Body Weight: 28.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Testis	No gross observed on tissue.	Atrophy, germinal epithelium, bilateral, 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; 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; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 813	Group: E120M	
Day of Death: 93	Terminal Body Weight: 26.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Pituitary Gland	No gross observed on tissue.	Tissue is missing.
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; 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; Preputial Gland; Prostate; Rectum; Salivary Gland; Sciatic Nerve; Seminal Vesicle; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Testis; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 814	Group: E120M	
Day of Death: 93	Terminal Body Weight: 29.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Eye	Small, right, 3/4 x, dark, granular, G1/ opaque.	Cataract, unilateral, marked. Note: G1=cataract.
Mammary Gland	No gross observed on tissue.	Tissue is missing.
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; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 815	Group: E120M	
Day of Death: 93	Terminal Body Weight: 29.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 816	Group: E120M	
Day of Death: 93	Terminal Body Weight: 28.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 817	Group: E120M	
Day of Death: 93	Terminal Body Weight: 28.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Liver	No gross observed on tissue.	Infiltration, mononuclear cells, minimal.
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Preputial Gland	Small, left, G1/ no left preputial gland tissue present.	Tissue is unremarkable. Note: G1=no histological verification possible since gross finding was absence of left preputial gland.

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; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 818	Group: E120M	
Day of Death: 93	Terminal Body Weight: 31.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, minimal.
Mammary Gland	No gross observed on tissue.	Tissue is missing.
Testis	No gross observed on tissue.	Atrophy, germinal epithelium, unilateral, 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; Bone Marrow; Brain; Cecum; Colon; Duodenum; Epididymis; Esophagus; Eye; Femur; 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; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 819	Group: E120M	
Day of Death: 93	Terminal Body Weight: 30.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-7. Individual Gross and Microscopic Observations – Males

Animal ID: 820	Group: E120M	
Day of Death: 93	Terminal Body Weight: 31.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Mammary 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; 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; Trachea; Urinary Bladder; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 151	Group: CF	
Day of Death: 93	Terminal Body Weight: 28.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Ovary	Cyst(s), left, 4 mm diameter, dark, G1.	Cyst, mild. Note: G1=cyst.
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; 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; Pancreas; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; 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: 26.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, mild.
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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; 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; Trachea; Urinary Bladder; Uterus; 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: 29.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, mild.
Liver	No gross observed on tissue.	Infiltration, mononuclear cells, 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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Heart; Ileum; Jejunum; Kidney; 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; Trachea; 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: 24.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, mild.
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Ovary	Cyst(s), right, 4 mm diameter, red, G1.	Cyst, mild. Note: G1=cyst.
Uterus	No gross observed on tissue.	Cystic endometrial hyperplasia, 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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Heart; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; 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: 25.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, minimal.
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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; 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; Trachea; 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: 26.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, 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; 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; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; 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: 28.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, mild.
Kidney	Small, left, G1/ no left kidney present.	Tissue is unremarkable. Note: G1=microscopic confirmation of absent left kidney not possible.

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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; 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; Trachea; 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: 24.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, minimal.
Kidney	No gross observed on tissue.	Nephropathy, 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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Heart; Ileum; Jejunum; 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; Trachea; Urinary Bladder; Uterus; 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: 24.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Clitoral Gland	No gross observed on tissue.	Tissue is unremarkable. Note: one clitoral gland was missing.
Kidney	No gross observed on tissue.	Nephropathy, 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; Bone Marrow; Brain; Cecum; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 160	Group: CF	
Day of Death: 93	Terminal Body Weight: 35.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, minimal.
Liver	No gross observed on tissue.	Infiltration, mononuclear cells, 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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Heart; Ileum; Jejunum; Kidney; 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; Trachea; Urinary Bladder; Uterus; 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: 28.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Liver	No gross observed on tissue.	Infiltration, mononuclear cells, 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; 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; Trachea; 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: 24.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Inflammation, chronic, mild. Atrophy, mild.
Kidney	No gross observed on tissue.	Nephropathy, 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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Heart; Ileum; Jejunum; 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; Trachea; 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: 30.5 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; 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; Trachea; Urinary Bladder; Uterus; 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: 24.0 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; 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; Trachea; 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: 25.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, mild.
Kidney	No gross observed on tissue.	Nephropathy, 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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Heart; Ileum; Jejunum; 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; Trachea; Urinary Bladder; Uterus; 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: 25.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Liver	No gross observed on tissue.	Infiltration, mononuclear cells, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Skin	Nodule, caudal (tail), 4 x 3 x 3 mm, G1/ nodule is on tail tattoo.	Abscess, mild. Note: G1=abscess.

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; 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; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; 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: 29.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Liver	No gross observed on tissue.	Infiltration, mononuclear cells, minimal.
Pharynx	No gross observed on tissue.	Tissue is unremarkable.
		Note: oropharynx portion 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; 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; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; 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: 27.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Clitoral Gland	No gross observed on tissue.	Tissue is unremarkable. Note: one clitoral gland was missing.
Kidney	No gross observed on tissue.	Nephropathy, 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; Bone Marrow; Brain; Cecum; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; 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; Trachea; Urinary Bladder; Uterus; 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: 25.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, minimal.
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Ovary	No gross observed on tissue.	Cyst, 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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Heart; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Pancreas; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; 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: 27.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, minimal.
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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 251	Group: NT120F	
Day of Death: 93	Terminal Body Weight: 25.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, minimal.
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Ovary	No gross observed on tissue.	Cyst, 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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Heart; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 252	Group: NT120F	
Day of Death: 93	Terminal Body Weight: 21.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Liver	No gross observed on tissue.	Infiltration, mononuclear cells, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Salivary Gland	No gross observed on tissue.	Infiltration, mononuclear cells, minimal.
Stomach	No gross observed on tissue.	Hyperplasia/dilatation, epithelium, mucosa, glandular portion, 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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Pharynx; Pituitary Gland; Rectum; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 253	Group: NT120F	
Day of Death: 93	Terminal Body Weight: 20.9 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; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 254	Group: NT120F	
Day of Death: 93	Terminal Body Weight: 23.4 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; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 255	Group: NT120F	
Day of Death: 93	Terminal Body Weight: 21.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, minimal.
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Ovary	No gross observed on tissue.	Cyst, minimal.
Uterus	No gross observed on tissue.	Cystic endometrial hyperplasia, 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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Heart; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 256	Group: NT120F	
Day of Death: 93	Terminal Body Weight: 25.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Clitoral Gland	No gross observed on tissue.	Pyogranuloma, minimal.
Harderian Gland	No gross observed on tissue.	Inflammation, chronic, 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; Bone Marrow; Brain; Cecum; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 257	Group: NT120F	
Day of Death: 93	Terminal Body Weight: 28.1 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; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 258	Group: NT120F	
Day of Death: 93	Terminal Body Weight: 22.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, 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; 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; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 259	Group: NT120F	
Day of Death: 93	Terminal Body Weight: 24.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, minimal.
Liver	No gross observed on tissue.	Infiltration, mononuclear cells, 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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Heart; Ileum; Jejunum; Kidney; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 260	Group: NT120F	
Day of Death: 93	Terminal Body Weight: 23.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, mild.
Ovary	No gross observed on tissue.	Cyst, minimal.
Uterus	No gross observed on tissue.	Cystic endometrial hyperplasia, 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; 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; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 261	Group: NT120F	
Day of Death: 94	Terminal Body Weight: 24.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, 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; 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; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 262	Group: NT120F	
Day of Death: 94	Terminal Body Weight: 23.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Ovary	No gross observed on tissue.	Cyst, 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; 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; Pancreas; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 263	Group: NT120F	
Day of Death: 94	Terminal Body Weight: 23.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Parathyroid	No gross observed on tissue.	Tissue is missing.
Sciatic Nerve	No gross observed on tissue.	Infiltration, perineural tissue, macrophages, 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; 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; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 264	Group: NT120F	
Day of Death: 94	Terminal Body Weight: 24.4 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; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 265	Group: NT120F	
Day of Death: 94	Terminal Body Weight: 24.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Inflammation, chronic, minimal.
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Liver	No gross observed on tissue.	Infiltration, mononuclear cells, 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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 266	Group: NT120F	
Day of Death: 94	Terminal Body Weight: 22.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Inflammation, chronic, minimal. Atrophy, minimal.
Kidney	No gross observed on tissue.	Nephropathy, 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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Heart; Ileum; Jejunum; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 267	Group: NT120F	
Day of Death: 94	Terminal Body Weight: 26.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, 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; 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; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 268	Group: NT120F	
Day of Death: 94	Terminal Body Weight: 26.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, mild.
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Liver	No gross observed on tissue.	Infiltration, mononuclear cells, minimal.
Salivary Gland	No gross observed on tissue.	Infiltration, mononuclear cells, 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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Heart; Ileum; Jejunum; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 269	Group: NT120F	
Day of Death: 94	Terminal Body Weight: 26.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Liver	No gross observed on tissue.	Infiltration, mononuclear cells, 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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 270	Group: NT120F	
Day of Death: 94	Terminal Body Weight: 25.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Liver	No gross observed on tissue.	Infiltration, mononuclear cells, 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; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 357		Group: B6F
Day of Death: 93		Terminal Body Weight: 24.9 g
Tissue	Gross Observation(s)	Microscopic Observation(s)
Eye	Discoloration(s), right, G1/ opaque.	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: 454		Group: B60F
Day of Death: 93		Terminal Body Weight: 26.5 g
Tissue	Gross Observation(s)	Microscopic Observation(s)
Ovary	Cyst(s), left, 3 mm diameter, red, 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: 459	Group: B60F	
Day of Death: 93	Terminal Body Weight: 26.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Ovary	Cyst(s), right, 3 mm diameter, G2.	Tissue not examined microscopically.
Skin	Crust(s), caudal (tail), 7 x 5 mm, red, 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: B120F	
Day of Death: 93	Terminal Body Weight: 22.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, minimal.
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Lymph Node, Other	Enlarged, bilateral, lumbar, dark, G2/ dark pigment probably from tail tattoo.	Hyperplasia, lymphoid, mild. Pigment, mild. Note: G2=lymphoid hyperplasia.
Skin	Nodule, caudal (tail), 4 x 3 x 3 mm, G1/ on tail tattoo.	Chronic inflammation, mild. Note: G1=chronic inflammation.

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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; 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; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 552	Group: B120F	
Day of Death: 93	Terminal Body Weight: 24.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, minimal.
Stomach	No gross observed on tissue.	Hyperplasia/dilatation, epithelium, mucosa, glandular portion, 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; 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; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 553	Group: B120F	
Day of Death: 93	Terminal Body Weight: 24.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Ovary	No gross observed on tissue.	Cyst, 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; 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; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 554	Group: B120F	
Day of Death: 93	Terminal Body Weight: 21.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Clitoral Gland	Enlarged, left, 8 x 6 x 6 mm, green, G1.	Pyogranuloma, moderate. Note: G1=pyogranuloma.
Heart	No gross observed on tissue.	Infiltration, mononuclear cells, epicardium, minimal.
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; Bone Marrow; Brain; Cecum; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 555	Group: B120F	
Day of Death: 93	Terminal Body Weight: 24.0 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; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 556	Group: B120F	
Day of Death: 93	Terminal Body Weight: 27.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	Discoloration(s), bilateral, dark, G1.	Atrophy, mild. Increased porphyrin pigment, mild. Note: G1=increased porphyrin pigment.
Ovary	No gross observed on tissue.	Cyst, 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; 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; Pancreas; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 557	Group: B120F	
Day of Death: 93	Terminal Body Weight: 23.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Adrenal Gland	No gross observed on tissue.	Tissue is unremarkable. Note: one adrenal gland missing.
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:

Bone; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 558	Group: B120F	
Day of Death: 93	Terminal Body Weight: 23.3 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; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 559	Group: B120F	
Day of Death: 93	Terminal Body Weight: 25.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, 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; 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; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 560	Group: B120F	
Day of Death: 93	Terminal Body Weight: 26.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, minimal.
Ovary	No gross observed on tissue.	Cyst, 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; 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; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 561	Group: B120F	
Day of Death: 94	Terminal Body Weight: 23.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, minimal.
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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 562	Group: B120F	
Day of Death: 94	Terminal Body Weight: 24.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, minimal.
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Ovary	No gross observed on tissue.	Cyst, minimal.
Uterus	No gross observed on tissue.	Cystic endometrial hyperplasia, 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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Heart; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 563	Group: B120F	
Day of Death: 94	Terminal Body Weight: 26.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, 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; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 564	Group: B120F	
Day of Death: 94	Terminal Body Weight: 23.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Heart	No gross observed on tissue.	Cardiomyopathy, minimal.
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Liver	No gross observed on tissue.	Infiltration, mononuclear cells, minimal.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Salivary Gland	No gross observed on tissue.	Infiltration, mononuclear cells, 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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Ileum; Jejunum; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Pharynx; Pituitary Gland; Rectum; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 565	Group: B120F	
Day of Death: 94	Terminal Body Weight: 24.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, minimal.
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Ovary	No gross observed on tissue.	Cyst, 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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Heart; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Pancreas; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 566	Group: B120F	
Day of Death: 94	Terminal Body Weight: 29.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, 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; 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; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 567	Group: B120F	
Day of Death: 94	Terminal Body Weight: 26.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, mild.
Liver	No gross observed on tissue.	Infiltration, mononuclear cells, 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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Heart; Ileum; Jejunum; Kidney; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 568	Group: B120F	
Day of Death: 94	Terminal Body Weight: 25.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, minimal.
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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 569	Group: B120F	
Day of Death: 94	Terminal Body Weight: 26.2 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Liver	No gross observed on tissue.	Infiltration, mononuclear cells, minimal.
Skin	Nodule, caudal (tail), 3 x 2 x 2 mm, G1/ on tail tattoo.	Chronic inflammation, minimal. Note: G1=chronic inflammation.

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; 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; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 570	Group: B120F	
Day of Death: 94	Terminal Body Weight: 24.1 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; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 652	Group: E6F	
Day of Death: 93	Terminal Body Weight: 26.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lymph Node, Other	Enlarged, bilateral, iliac, G1/ 3 x normal size.	Miscellaneous tissue not examined.

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: 665	Group: E6F	
Day of Death: 94	Terminal Body Weight: 28.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Skin	Nodule, caudal (tail), 3 x 2 x 2 mm, G1/ on tail tattoo.	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: 669	Group: E6F	
Day of Death: 94	Terminal Body Weight: 27.6 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Skin	Nodule, caudal (tail), 4 x 3 x 3 mm, G1/ on tail tattoo.	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: 755	Group: E60F	
Day of Death: 93	Terminal Body Weight: 24.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Jejunum	Diverticulum, 8 x 2 x 2 mm, G1.	Diverticulum, mild. Note: G1=diverticulum.

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: 760	Group: E60F	
Day of Death: 93	Terminal Body Weight: 22.4 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Liver	Small, left lateral lobe, 1/4 x, G1. Focus, left lateral lobe, 2 x 2 mm, tan, G2.	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: E120F	
Day of Death: 93	Terminal Body Weight: 22.9 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; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 852	Group: E120F	
Day of Death: 93	Terminal Body Weight: 23.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Liver	No gross observed on tissue.	Infiltration, mononuclear cells, minimal.
Ovary	No gross observed on tissue.	Cyst, 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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 853	Group: E120F	
Day of Death: 93	Terminal Body Weight: 25.8 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Clitoral Gland	No gross observed on tissue.	Tissue is unremarkable. Note: one clitoral gland was missing.
Ovary	No gross observed on tissue.	Tissue is unremarkable. Note: one ovary missing.
Uterus	No gross observed on tissue.	Cystic endometrial hyperplasia, 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; 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; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 854	Group: E120F	
Day of Death: 93	Terminal Body Weight: 24.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Lung	No gross observed on tissue.	Hyperplasia, alveolar lining cells/bronchial epithelium, focal, 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; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 855	Group: E120F	
Day of Death: 93	Terminal Body Weight: 23.3 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Liver	No gross observed on tissue.	Infiltration, mononuclear cells, 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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 856	Group: E120F	
Day of Death: 93	Terminal Body Weight: 23.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, minimal.
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Uterus	No gross observed on tissue.	Cystic endometrial hyperplasia, 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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; 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; Trachea; Urinary Bladder; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 857	Group: E120F	
Day of Death: 93	Terminal Body Weight: 24.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Inflammation, chronic, minimal.
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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 858	Group: E120F	
Day of Death: 93	Terminal Body Weight: 22.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, 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; 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; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 859	Group: E120F	
Day of Death: 93	Terminal Body Weight: 26.0 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, minimal.
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Liver	No gross observed on tissue.	Infiltration, mononuclear cells, 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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 860	Group: E120F	
Day of Death: 93	Terminal Body Weight: 24.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, minimal.
Liver	No gross observed on tissue.	Infiltration, mononuclear cells, minimal.
Lung	No gross observed on tissue.	Hyperplasia, alveolar lining cells/bronchial epithelium, focal, minimal.
Skin	Crust(s), hindlimb, right, red, 4 x 4 mm, G1/ plantar surface of foot.	Ulcer, mild. Note: G1=ulcer.

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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Heart; Ileum; Jejunum; Kidney; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 861	Group: E120F	
Day of Death: 94	Terminal Body Weight: 22.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Ovary	No gross observed on tissue.	Cyst, minimal. Note: one ovary 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; 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; Pancreas; Parathyroid; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 862	Group: E120F	
Day of Death: 94	Terminal Body Weight: 23.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Clitoral Gland	No gross observed on tissue.	Tissue is unremarkable. Note: one clitoral gland was missing.
Liver	No gross observed on tissue.	Infiltration, mononuclear cells, 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; Bone Marrow; Brain; Cecum; Colon; Duodenum; Esophagus; Eye; Femur; Harderian Gland; Heart; Ileum; Jejunum; Kidney; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 863	Group: E120F	
Day of Death: 94	Terminal Body Weight: 20.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Hyperplasia, plasma cells, mild.
Liver	No gross observed on tissue.	Eosinophilic focus, minimal.
Lymph Node, Other	Enlarged, bilateral, 2 x, iliac, dark, G2.	Hyperplasia, lymphoid, mild. Pigment, mild. Note: G2=pigment.
Skin	Nodule, caudal (tail), 3 x 2 x 2 mm, G1/ on tail tattoo.	Chronic inflammation, mild. Note: G1=chronic inflammation.

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; 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; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 864	Group: E120F	
Day of Death: 94	Terminal Body Weight: 22.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Skin	Nodule, caudal (tail), 3 x 2 x 2 mm, G1/ on tail tattoo.	Chronic inflammation, minimal. Note: G1=chronic inflammation.

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; 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; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 865	Group: E120F	
Day of Death: 94	Terminal Body Weight: 25.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, minimal. Note: one harderian gland was missing.
Kidney	No gross observed on tissue.	Hyperplasia, plasma cells, mild.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Skin	Nodule, caudal (tail), 4 x 3 x 3 mm, G1/ on tail tattoo.	Chronic inflammation, mild. Note: G1=chronic inflammation.

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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Heart; Ileum; Jejunum; Liver; Lung; Lymph Node, Mesenteric; Mammary Gland; Nose/Turbinates; Oral Cavity; Ovary; Pancreas; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 866	Group: E120F	
Day of Death: 94	Terminal Body Weight: 26.9 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Kidney	No gross observed on tissue.	Hyperplasia, plasma cells, minimal.
Liver	No gross observed on tissue.	Infiltration, mononuclear cells, 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; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 867	Group: E120F	
Day of Death: 94	Terminal Body Weight: 26.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Skin	Mass, caudal (tail), 10 x 6 x 6 mm, G1/ mass on tail tattoo.	Abscess, moderate. Note: G1=abscess.

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; 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; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 868	Group: E120F	
Day of Death: 94	Terminal Body Weight: 24.7 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, mild.
Skin	Crust(s), caudal (tail), red, 20 x 3 mm, G2.	Ulcer, mild.
	Nodule, caudal (tail), 4 x 3 x 3 mm, G1/ on tail tattoo.	Note: G1, G2=ulcer.

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; 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; Spinal Cord; Spleen; Sternum; Stomach; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 869	Group: E120F	
Day of Death: 94	Terminal Body Weight: 25.5 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, mild.
Kidney	No gross observed on tissue.	Nephropathy, minimal.
Liver	No gross observed on tissue.	Infiltration, mononuclear cells, 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; Bone Marrow; Brain; Cecum; Clitoral Gland; Colon; Duodenum; Esophagus; Eye; Femur; Heart; Ileum; Jejunum; 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; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

Table D-8. Individual Gross and Microscopic Observations – Females

Animal ID: 870	Group: E120F	
Day of Death: 94	Terminal Body Weight: 24.1 g	
Tissue	Gross Observation(s)	Microscopic Observation(s)
Harderian Gland	No gross observed on tissue.	Atrophy, mild.
Parathyroid	No gross observed on tissue.	Tissue is missing.
Stomach	No gross observed on tissue.	Hyperplasia/dilatation, epithelium, mucosa, glandular portion, 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; 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; Pharynx; Pituitary Gland; Rectum; Salivary Gland; Sciatic Nerve; Skeletal Muscle; Skin; Spinal Cord; Spleen; Sternum; Thymus; Thyroid Gland; Tongue; Trachea; Urinary Bladder; Uterus; Vagina; Zymbal's Gland

**APPENDIX E: CLINICAL PATHOLOGY AND ANATOMIC PATHOLOGY
NARRATIVES**

8/19/09

CN49730F

90-DAY REPEATED DOSE SUBCHRONIC TOXICITY STUDY OF TOBACCO BLEND
AND AQUEOUS TOBACCO EXTRACT IN CD-1 MICE

CLINICAL PATHOLOGY

Hematology

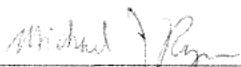
None of the hematology results indicated any effects due to nicotine tartrate, tobacco blend or tobacco extract.

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.

 8/19/09

Michael J. Ryan, D.V.M., Ph.D., D.A.B.T. Date
Diplomate, A.C.V.P.
Study Pathologist

 8/19/09

Rosalind Dalefield, B.V.Sc., Ph.D., D.A.B.V.T. Date
Diplomate, A.B.T.
Technical Review

8/18/09

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CN49730F

90-DAY REPEATED DOSE SUBCHRONIC TOXICITY STUDY OF TOBACCO BLEND
AND AQUEOUS TOBACCO EXTRACT IN CD-1 MICE (CN49730F)

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). The study also determined plasma concentrations of nicotine and cotinine under various conditions of test chemical exposure.

Accordingly, groups of 20 male and 20 female CD-1 mice/sex were given either untreated feed (CM and CF Groups) 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 (Abbreviations of Group Names)	Target Dosage of Nicotine (mg/kg/day)	Males, Core	Females, Core
1-Control (CM and CF)	0	20	20
2-Nicotine Tartrate High Dose (NT120M and NT120F)	120	20	20
3-Tobacco Blend Low dose (B6M and B6F)	6	20	20
4-Tobacco Blend Intermediate Dose (B60M and B60F)	60	20	20
5-Tobacco Blend High Dose (B120M and B120F)	120	20	20
6-Tobacco Extract Low dose (E6M and E6F)	6	20	20
7-Tobacco Extract Intermediate dose (E60M and E60F)	60	20	20
8-Tobacco Extract High Dose (E120M and E120F)	120	20	20

All study mice were necropsied after their (scheduled or unscheduled) deaths, following facility Standard Operating Procedures. Gross necropsy findings were recorded in the PATHTOX SYSTEM (Xybion Medical Systems Corporation). Organ weights were recorded [brain,

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epididymides, heart, kidneys, liver with gallbladder, lungs, prostate, spleen, testes (without epididymides), thymus, salivary glands (mandibular) and uterus (with cervix)] from mice that survived until scheduled termination and also recorded in the PATHTOX SYSTEM (Xybion Medical Systems Corporation). Tissues listed in the study protocol were processed from CM, CF, NT120M, NT120F, B120M, B120F, E120M and E120F Groups, and examined by a board-certified veterinary pathologist. Additionally, the gross lesions of the jejunum found in E6M mouse 608 and E60F female mouse 755 were processed and examined. A small number of protocol tissues were not successfully processed for examination; these tissues are listed as "missing" in the individual animal pathology data tables. The absence of results for these tissues was not considered by the pathologist to have adversely affected the ability to draw conclusions regarding possible treatment effects due to tobacco blend, tobacco extract or nicotine tartrate.

Necropsy Results

Gross Pathology

A small number of gross findings were noted in a few mice. Nodules of the tail or discolorations of lymph nodes were noted, and associated with tail tattooing for identification. All other gross lesions occurred sporadically and were consistent with spontaneous findings frequently noted in untreated laboratory mice. Thus, all gross findings were interpreted to be incidental and unrelated to nicotine tartrate, tobacco blend and tobacco extract.

Terminal Body Weights

The terminal body weights of the male and female mice in the NT120M, NT120F, B60M, B60F, B120M, B120F, E60M, E60F, E120M and E120F Groups were significantly decreased when compared with those of the CM and CF Groups, while terminal body weights of the B6M, B6F, E6M and E6F Groups were similar to those of the CM and CF Groups. The decreased body

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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

Many absolute organ weights were decreased in male or female mice of various treated groups when compared to the CM and CF Groups. These decreased absolute organ weights were interpreted to be due to decreased terminal body weights. The results for organ-to-body weight ratios showed no difference between results in treated groups and the CM and CF Groups for any organs except for group mean salivary-to-terminal body weight ratio (as percent) which was significantly decreased in the NT120M, B120M and E60M Groups. These decreased salivary gland weights were interpreted to be due to decreased feed consumption, leading to decreased stimulus for salivary gland secretion and thus decreased physiologic function and size. No microscopic findings accompanied this decreased salivary gland size (see Microscopic Findings), so the decreased salivary gland percentage of body weights of a few groups of treated males were not interpreted to be adverse. In addition, the brain-to-terminal body weight ratios of the NT120M, NT120F, B60M, B120M, E60M, E120M and E120F Groups were significantly increased, compared to CM and CF brain-to-terminal body weight ratios. These increased brain-to-terminal body weight ratios were due to decreased terminal body weights and not any particular organ toxicity.

Decreased organ-to-brain weight percentages in numerous treated groups were interpreted to be due to decreased overall body size related to decreased food consumption from decreased diet palatability, but were not interpreted to be adverse findings.

HISTOPATHOLOGY

Microscopic findings were graded semi-quantitatively according to the following scale, with the associated numerical score used to calculate average severity grades for each lesion by group and

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sex. Minimal (Grade 1) represented the least detectible lesion; mild (Grade 2) represented an easily discernible lesion unlikely to have any biological relevance; moderate (Grade 3) represented a change affecting a large area of the represented tissue that had the potential to be of some relevance; and marked (Grade 4) represented a lesion that approached maximal.

Microscopic Pathology

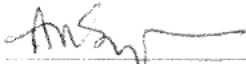
None of the microscopic findings of this study were interpreted to be due to feeding with nicotine tartrate, tobacco blend or tobacco extract.

Conclusions

Exposure of CD-1 male and female mice to various concentrations of nicotine tartrate, tobacco blend and tobacco aqueous extract by dosed feed at target levels as high as 120 mg/kg /day of nicotine for approximately 90 days resulted in significant decreased weight gains in the groups given target doses of 60 or 120 mg/kg nicotine/day (NT120M, NT120F, B60M, B60F, B120M, B120F, E60M, E60F, E120M and E120F Groups). However, no additional adverse affects were noted in organ weight, gross pathology and microscopic pathology results, suggesting that decreased weight gains related to decreased diet palatability were well tolerated.

 8/18/09

Michael J. Ryan, D.V.M., Ph.D., D.A.B.T. Date
Diplomate, A.C.V.P.
Study Pathologist

 8-19-09

Allen W. Singer, D.V.M., Ph.D., D.A.B.T. Date
Diplomate, A.C.V.P.
Technical Review



Date: March 15, 2009

Project Number: CN49730F

To: Study File CN49730F

Internal Distribution:

M. Hejtmancik

Dawn Fallacara

Quality Assurance

A. Singer

8831 Files

From: Allen Singer

Subject: Pathology Peer Review of Study
CN49730F

A peer review was conducted of the Pathology Data from study CN49730F. The purpose was to verify the accuracy, consistency, and completeness of toxicologically significant findings, as rendered by the study pathologist, Dr. Michael Ryan. Sections of tissues from all animals 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 the following animals were examined: 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. No target organs were identified as part of this review.

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.

3-15-09

Allen W. Singer, D.V.M., D.A.B.T.
Diplomate, A.C.V.P.
Peer Review Pathologist
Battelle Columbus

Post-Peer Review Date

3-19-09

Allen W. Singer, D.V.M., 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 CD-1 MICE**

NICOTINE IN FEED

FORMULATION ANALYSIS REPORT

Battelle Study Number: CN49730F

August 24, 2009

Prepared By:

Approved By:

Edward A. Psurny 8/24/09
Edward A. Psurny, B.S./Date

Brian L. Burbach 8-24-09
Brian L. Burbach, Ph.D./Date

EXECUTIVE SUMMARY

Samples from 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 three formulations which had average percent relative errors (REs) greater than 10%. One of the formulations was discarded and a new batch prepared; two had average REs of 11.9% (1370 mg/kg tobacco blend) and 12.8% (1826 mg/kg tobacco blend) but were 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 were lower than the predose concentrations. The tobacco blend formulations were approximately 8% lower on average; the nicotine hydrogen tartrate formulations were approximately 12% lower on average; and the tobacco extract formulations were approximately 2% lower on average. Lower values are not unusual in mouse studies where the animals often contaminate the formulations in the animal feeders.

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APPENDIX A

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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, Table 3, and Table 4, (M=Male, F=Female).

Table 1 – Formulation Samples Submitted for Formulation Analyses – 8/25/08

Type	Group	Formulation ID (mg Test Article/ kg Feed)	Batch	Target Nicotine Concentration (mg Nicotine/ kg Feed)
Control	1 (CM/CF)	Control Formulation	2-Control-1	0
Tobacco Blend	B6F	913 mg/kg	2-Blend-7	24
	B6M	1370 mg/kg	2-Blend-8* 2A-Blend-8	36
	B60F	9132 mg/kg	2-Blend-9	240
	B60M	13698 mg/kg	2-Blend-10	360
	B120F	18264 mg/kg	2-Blend-11	480
	B120M	27397 mg/kg	2-Blend-12	720
Nicotine Hydrogen Tartrate	NT120F	1368 mg/kg	2-NT-3	480
	NT120M	2052 mg/kg	2-NT-4	720
Aqueous Tobacco Extract	E6F	1044 mg/kg	2-Extract-7	24
	E6M	1566 mg/kg	2-Extract-8	36
	E60F	10439 mg/kg	2-Extract-9	240
	E60M	15659 mg/kg	2-Extract-10	360
	E120F	20879 mg/kg	2-Extract-11	480
	E120M	31318 mg/kg	2-Extract-12	720

* 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 – 9/17/08

Type	Group	Formulation ID (mg Test Article/ kg Feed)	Batch	Target Nicotine Concentration (mg Nicotine/ kg Feed)
Control	1 (CM/CF)	Control Formulation	3-Control-1	0
Tobacco Blend	B6F	1142 mg/kg	3-Blend-7	30
	B6M	1598 mg/kg	3-Blend-8	42
	B60F	11415 mg/kg	3-Blend-9	300
	B60M	15981 mg/kg	3-Blend10	420
	B120F	22831 mg/kg	3-Blend-11	600
	B120M	31963 mg/kg	3-Blend-12	840
Nicotine Hydrogen Tartrate	NT120F	1710 mg/kg	3-NT-3	600
	NT120M	2394 mg/kg	3-NT-4	840
Aqueous Tobacco Extract	E6F	1305 mg/kg	3-Extract-7	30
	E6M	1827 mg/kg	3-Extract-8	42
	E60F	13049 mg/kg	3-Extract-9	300
	E60M	18269 mg/kg	3-Extract-10	420
	E120F	26098 mg/kg	3-Extract-11	600
	E120M	36537 mg/kg	3-Extract-12	840

Table 3 – Formulation Samples Submitted for Formulation Analyses – 10/16/08

Type	Group	Formulation ID (mg Test Article/ kg Feed)	Batch	Target Nicotine Concentration (mg Nicotine/ kg Feed)
Control	1 (CM/CF)	Control Formulation	4-Control-1	0
Tobacco Blend	B6F	1370 mg/kg	4-Blend-7	36
	B6M	1826 mg/kg	4-Blend-8	48
	B60F	13698 mg/kg	4-Blend-9	360
	B60M	18264 mg/kg	4-Blend-10	480
	B120F	27397 mg/kg	4-Blend-11	720
	B120M	36529 mg/kg	4-Blend-12	960
Nicotine Hydrogen Tartrate	NT120F	2052 mg/kg	4-NT-3	720
	NT120M	2736 mg/kg	4-NT-4	960
Aqueous Tobacco Extract	E6F	1566 mg/kg	4-Extract-7	36
	E6M	2088 mg/kg	4-Extract-8	48
	E60F	15659 mg/kg	4-Extract-9	360
	E60M	20879 mg/kg	4-Extract-10	480
	E120F	31318 mg/kg	4-Extract-11	720
	E120M	41757 mg/kg	4-Extract-12	960

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	B6M	1826 mg/kg	5-Blend-8	48
	B60M	18264 mg/kg	5-Blend-10	480
	B120M	36529 mg/kg	5-Blend-12	960
Nicotine Hydrogen Tartrate	NT120M	2736 mg/kg	5-NT-4	960
Aqueous Tobacco Extract	E6M	2088 mg/kg	5-Extract-8	48
	E60M	20879 mg/kg	5-Extract-10	480
	E120M	41757 mg/kg	5-Extract-12	960

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.

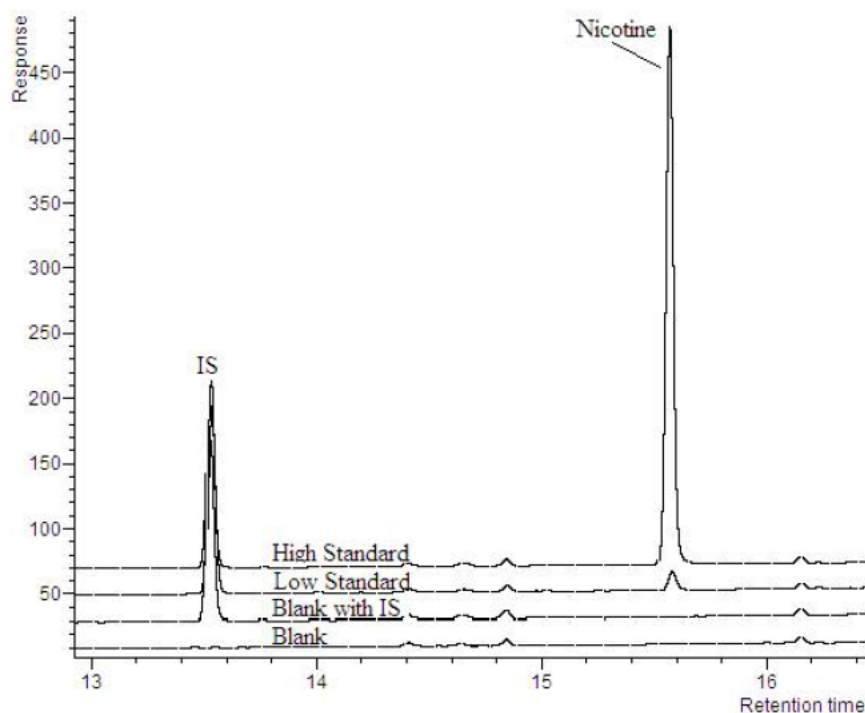


Figure 1 – Representative Overlaid Chromatograms from High and Low Standards, Blank with IS, and a Blank – Full Scale

The results from the formulation analysis for the predose formulation samples are shown 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 1370 mg/kg tobacco blend formulation prepared on September 4, 2008 which had an average RE of 11.9%, and the 1826 mg/kg tobacco blend formulation prepared on October 16, 2008 which had an average RE of 12.8%. These formulations were approved for use to dose the animals by the client.

Table 5 – Formulation Results for Predose Control – 8/25/08

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
0 mg/kg ² (CM/CF)	0	BLOQ	BLOQ	NA	NA	NA	NA
		BLOQ				NA	
		BLOQ				NA	

BLOQ = Below the limit of quantitation (not detected).

NA = Not applicable.

1. Quantity of nicotine (mg) per kg of feed.

2. Quantity of test article (mg) per kg of feed.

Table 6 – Formulation Results for Predose Tobacco Blend – 8/25/08

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
913 mg/kg ² (B6F)	24	2.52E+01	2.59E+01	0.6	2.0	5.0	8.1
		2.62E+01				9.2	
		2.64E+01				10.0	
1370 mg/kg ² (B6M)	36	3.93E+01	4.03E+01	2.5	6.2	9.2	11.9*
		4.31E+01				19.7	
		3.85E+01				6.9	
9132 mg/kg ² (B60F)	240	2.43E+02	2.43E+02	14	5.8	1.3	1.3
		2.57E+02				7.1	
		2.29E+02				-4.6	
13698 mg/kg ² (B60M)	360	3.77E+02	3.75E+02	8	2.0	4.7	4.2
		3.66E+02				1.7	
		3.82E+02				6.1	
18264 mg/kg ² (B120F)	480	5.00E+02	5.03E+02	14	2.8	4.2	4.7
		4.90E+02				2.1	
		5.18E+02				7.9	
27397 mg/kg ² (B120M)	720	7.65E+02	7.61E+02	11	1.4	6.3	5.7
		7.69E+02				6.8	
		7.48E+02				3.9	

* The average %RE was greater than 10, but the client granted permission to use formulation for dosing of animals.

1. Quantity of nicotine (mg) per kg of feed.
2. Quantity of tobacco blend (mg) per kg of feed.

Table 7 – Formulation Results for Predose Nicotine Hydrogen Tartrate – 8/25/08

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
1368 mg/kg ² (NT120F)	480	4.73E+02	4.68E+02	6	1.0	-1.5	-2.5
		4.61E+02				-4.0	
		4.71E+02				-1.9	
2052 mg/kg ² (NT120M)	720	7.08E+02	7.09E+02	2	0.3	-1.7	-1.6
		7.07E+02				-1.8	
		7.11E+02				-1.3	

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 – 8/25/08

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
1044 mg/kg ² (E6F)	24	2.35E+01	2.40E+01	0.6	3.0	-2.1	0.0
		2.47E+01				2.9	
		2.38E+01				-0.8	
1566 mg/kg ² (E6M)	36	3.85E+01	3.78E+01	0.7	2.0	6.9	5.0
		3.77E+01				4.7	
		3.72E+01				3.3	
10439 mg/kg ² (E60F)	240	2.26E+02	2.27E+02	1	0.4	-5.8	-5.5
		2.28E+02				-5.0	
		2.26E+02				-5.8	
15659 mg/kg ² (E60M)	360	3.41E+02	3.42E+02	3	0.9	-5.3	-4.9
		3.46E+02				-3.9	
		3.40E+02				-5.6	
20879 mg/kg ² (E120F)	480	4.23E+02	4.37E+02	14	3.2	-11.9	-8.9
		4.39E+02				-8.5	
		4.50E+02				-6.3	
31318 mg/kg ² (E120M)	720	7.03E+02	6.92E+02	10	1.0	-2.4	-4.0
		6.85E+02				-4.9	
		6.87E+02				-4.6	

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 – 9/17/08

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
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 – 9/17/08

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
1142 mg/kg ² (B6F)	30	3.04E+01	3.04E+01	1.4	4.6	1.3	1.3
		2.90E+01				-3.3	
		3.18E+01				6.0	
1598 mg/kg ² (B6M)	42	4.66E+01	4.47E+01	2.0	4.5	11.0	6.4
		4.27E+01				1.7	
		4.47E+01				6.4	
11415 mg/kg ² (B60F)	300	3.02E+02	3.00E+02	3	1.0	0.7	-0.1
		3.00E+02				0.0	
		2.97E+02				-1.0	
15981 mg/kg ² (B60M)	420	4.23E+02	4.21E+02	2	0.5	0.7	0.2
		4.19E+02				-0.2	
		4.21E+02				0.2	
22831 mg/kg ² (B120F)	600	6.06E+02	6.06E+02	6	1.0	1.0	1.1
		6.01E+02				0.2	
		6.12E+02				2.0	
31963 mg/kg ² (B120M)	840	8.56E+02	8.47E+02	10	1.2	1.9	0.8
		8.49E+02				1.1	
		8.36E+02				-0.5	

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 – 9/17/08

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
1710 mg/kg ² (NT120F)	600	5.68E+02	5.66E+02	7	1.0	-5.3	-5.6
		5.72E+02				-4.7	
		5.59E+02				-6.8	
2394 mg/kg ² (NT120M)	840	7.83E+02	7.88E+02	9	1.0	-6.8	-6.2
		7.99E+02				-4.9	
		7.83E+02				-6.8	

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 – 9/17/08

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
1305 mg/kg ² (E6F)	30	3.04E+01	2.97E+01	0.6	2.0	1.3	-1.0
		2.92E+01				-2.7	
		2.95E+01				-1.7	
1827 mg/kg ² (E6M)	42	4.27E+01	4.21E+01	0.5	1.0	1.7	0.3
		4.18E+01				-0.5	
		4.19E+01				-0.2	
13049 mg/kg ² (E60F)	300	2.84E+02	2.86E+02	2	0.7	-5.3	-4.8
		2.85E+02				-5.0	
		2.88E+02				-4.0	
18269 mg/kg ² (E60M)	420	4.25E+02	4.24E+02	4	0.9	1.2	1.0
		4.28E+02				1.9	
		4.20E+02				0.0	
26098 mg/kg ² (E120F)	600	5.98E+02	5.91E+02	12	2.0	-0.3	-1.5
		5.98E+02				-0.3	
		5.77E+02				-3.8	
36537 mg/kg ² (E120M)	840	8.40E+02	8.41E+02	23	2.7	0.0	0.1
		8.18E+02				-2.6	
		8.64E+02				2.9	

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 – 10/16/08

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
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 – 10/16/08

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
1370 mg/kg ² (B6F)	36	3.92E+01	3.92E+01	0.6	2.0	8.9	8.8
		3.97E+01				10.3	
		3.86E+01				7.2	
1826 mg/kg ² (B6M)	48	5.57E+01	5.42E+01	2.4	4.4	16.0	12.8*
		5.54E+01				15.4	
		5.14E+01				7.1	
13698 mg/kg ² (B60F)	360	3.75E+02	3.72E+02	3	0.8	4.2	3.3
		3.71E+02				3.1	
		3.69E+02				2.5	
18264 mg/kg ² (B60M)	480	4.82E+02	4.92E+02	8	2.0	0.4	2.4
		4.96E+02				3.3	
		4.97E+02				3.5	
27397 mg/kg ² (B120F)	720	7.29E+02	7.28E+02	6	0.8	1.3	1.1
		7.33E+02				1.8	
		7.22E+02				0.3	
36529 mg/kg ² (B120M)	960	9.87E+02	9.87E+02	14	1.4	2.8	2.8
		1.00E+03				4.2	
		9.73E+02				1.4	

* The average %RE was greater than 10, but the client granted permission to use formulation for dosing of animals.

1. Quantity of nicotine (mg) per kg of feed.
2. Quantity of tobacco blend (mg) per kg of feed.

Table 15 – Formulation Results for Predose Nicotine Hydrogen Tartrate – 10/16/08

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
2052 mg/kg ² (NT120F)	720	7.23E+02	7.36E+02	18	2.4	0.4	2.3
		7.29E+02				1.3	
		7.57E+02				5.1	
2736 mg/kg ² (NT120M)	960	9.61E+02	9.56E+02	8	0.8	0.1	-0.4
		9.47E+02				-1.4	
		9.60E+02				0.0	

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 – 10/16/08

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
1566 mg/kg ² (E6F)	36	3.76E+01	3.76E+01	0.5	1.0	4.4	4.5
		3.72E+01				3.3	
		3.81E+01				5.8	
2088 mg/kg ² (E6M)	48	4.91E+01	4.94E+01	0.4	0.8	2.3	2.9
		4.92E+01				2.5	
		4.99E+01				4.0	
15659 mg/kg ² (E60F)	360	3.78E+02	3.73E+02	6	2.0	5.0	3.5
		3.74E+02				3.9	
		3.66E+02				1.7	
20879 mg/kg ² (E60M)	480	4.85E+02	4.93E+02	7	1.0	1.0	2.6
		4.97E+02				3.5	
		4.96E+02				3.3	
31318 mg/kg ² (E120F)	720	7.49E+02	7.54E+02	10	1.3	4.0	4.7
		7.47E+02				3.8	
		7.66E+02				6.4	
41757 mg/kg ² (E120M)	960	1.00E+03	9.95E+02	8	0.8	4.2	3.7
		9.86E+02				2.7	
		1.00E+03				4.2	

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
1826 mg/kg ² (B6M)	48	5.20E+01	5.22E+01	0.4	0.8	8.3	8.7
		5.19E+01				8.1	
		5.26E+01				9.6	
18264 mg/kg ² (B60M)	480	5.09E+02	5.15E+02	6	1.0	6.0	7.2
		5.14E+02				7.1	
		5.21E+02				8.5	
36529 mg/kg ² (B120M)	960	9.56E+02	1.01E+03	48	4.8	-0.4	5.1
		1.05E+03				9.4	
		1.02E+03				6.3	

1. Quantity of nicotine (mg) per kg of feed.

2. Quantity of tobacco blend (mg) per kg of feed.

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
2736 mg/kg ² (NT120M)	960	9.72E+02	9.53E+02	17	1.8	1.3	-0.7
		9.45E+02				-1.6	
		9.42E+02				-1.9	

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
2088 mg/kg ² (E6M)	48	4.90E+01	4.94E+01	0.7	1.0	2.1	2.9
		4.89E+01				1.9	
		5.02E+01				4.6	
20879 mg/kg ² (E60M)	480	4.94E+02	4.92E+02	5	1.0	2.9	2.6
		4.96E+02				3.3	
		4.87E+02				1.5	
41757 mg/kg ² (E120M)	960	9.82E+02	9.89E+02	19	1.9	2.3	3.0
		9.75E+02				1.6	
		1.01E+03				5.2	

1. Quantity of nicotine (mg) per kg of feed.
2. Quantity of aqueous tobacco extract (mg) per kg of feed.

An animal room (postdose) analysis was performed on the formulations prepared on August 25, 2008 and September 4, 2008 (the formulation from the September 4, 2008 was a reformulation from a batch that was not used from the August 25, 2008 formulation due to a failure in average %RE). The results from the formulation analysis for postdose formulations (animal room) are shown in Table 20, Table 21, Table 22, and Table 23. All postdose samples were taken from the animal room feeders. The results of all submitted formulations met the following criteria for concentration (RE within 10% of target; RSD less than or equal to 10%), except for the following:

- The 913 mg/kg tobacco blend formulation had a RSD of 10.9%.
- The 9132 mg/kg tobacco blend formulation had an average RE of -12.6%.
- The 1368 mg/kg nicotine hydrogen tartrate formulation had an average RE of -20.6%.

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 (especially problematic with mice), 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, the postdose animal room concentrations were lower than the predose concentrations. The tobacco blend formulations were approximately 8% lower on average; the nicotine hydrogen tartrate formulations were approximately 12% lower on average; and the tobacco extract formulations were approximately 2% lower on average.

Table 20 – Results for Postdose Control Formulation

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
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 Nicotine Concentration ¹ (mg/kg)	Reported Concentration ¹ (mg/kg)	Average Reported Concentration ¹ (mg/kg)	s (mg/kg)	RSD	RE	Average RE
913 mg/kg ² (B6F)*	24	2.31E+01	2.39E+01	2.6	10.9	-3.7	-0.4
		2.18E+01				-9.2	
		2.68E+01				11.7	
1370 mg/kg ² (B6M)*	36	3.53E+01	3.53E+01	0.7	2.0	-1.9	-1.9
		3.46E+01				-3.9	
		3.60E+01				0.0	
9132 mg/kg ² (B60F)*	240	2.23E+02	2.10E+02	17	8.1	-7.1	-12.6
		2.15E+02				-10.4	
		1.91E+02				-20.4	
13698 mg/kg ² (B60M)	360	3.49E+02	3.48E+02	1	0.3	-3.1	-3.3
		3.49E+02				-3.1	
		3.47E+02				-3.6	
18264 mg/kg ² (B120F)	480	4.73E+02	4.84E+02	10	2.0	-1.5	0.9
		4.89E+02				1.9	
		4.91E+02				2.3	
27397 mg/kg ² (B120M)	720	7.46E+02	7.45E+02	2	0.3	3.6	3.4
		7.45E+02				3.5	
		7.43E+02				3.2	

1. Quantity of nicotine (mg) per kg of feed.
 2. Quantity of tobacco blend (mg) per kg of feed.
- * Samples contained a significant amount of mold.

Table 22 – Results for Postdose Nicotine Hydrogen Tartrate Formulations

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
1368 mg/kg ² (NT120F)	480	3.79E+02	3.81E+02	6	2.0	-21.0	-20.6
		3.88E+02				-19.2	
		3.76E+02				-21.7	
2052 mg/kg ² (NT120M)	720	6.63E+02	6.65E+02	6	0.9	-7.9	-7.6
		6.72E+02				-6.7	
		6.60E+02				-8.3	

1. Quantity of nicotine (mg) per kg of feed.

2. Quantity of nicotine hydrogen tartrate (mg) per kg of feed.

Table 23 – Results for Postdose Aqueous Tobacco Extract Formulations

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
1044 mg/kg ² (E6F)	24	2.26E+01	2.26E+01	0.2	0.9	-5.8	-5.8
		2.28E+01				-5.0	
		2.24E+01				-6.7	
1566 mg/kg ² (E6M)	36	3.57E+01	3.46E+01	1.0	3.0	-0.8	-4.0
		3.40E+01				-5.6	
		3.40E+01				-5.6	
10439 mg/kg ² (E60F)	240	2.19E+02	2.21E+02	3	1.0	-8.8	-8.1
		2.19E+02				-8.8	
		2.24E+02				-6.7	
15659 mg/kg ² (E60M)	360	3.34E+02	3.30E+02	4	1.0	-7.2	-8.4
		3.26E+02				-9.4	
		3.29E+02				-8.6	
20879 mg/kg ² (E120F)	480	4.43E+02	4.56E+02	12	2.6	-7.7	-4.9
		4.67E+02				-2.7	
		4.59E+02				-4.4	
31318 mg/kg ² (E120M)	720	7.18E+02	7.17E+02	10	1.4	-0.3	-0.4
		7.27E+02				1.0	
		7.07E+02				-1.8	

1. Quantity of nicotine (mg) per kg of feed.

2. Quantity of aqueous tobacco extract (mg) per kg of feed.

V. ACKNOWLEDGMENTS

Jonathan Karshner, Jeff Allton, and Laura Ranney performed the formulation work. Hans Whittenburg, Dan Burnham, and Ed Psurny 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: ELG Date 8/19/08Approved by: Brian Budd Date 8/19/08
Technical ReviewerApproved by: Phil Taylor Date 8/19/08
Study DirectorApproved by: Steve W. Schave Date 8/19/08
Management

Reviewed and Registered by QAU:

Carrie Jones Date 8/19/08Battelle
505 King Avenue
Columbus, Ohio 43201

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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. MATERIALS

(b) (4)



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C. EQUIPMENT

(b) (4)

**D. EXTRACTION SOLUTION**

(b) (4)



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E. PREPARATION OF BLANK FEED EXTRACTED EXTRACTION SOLUTION

(b) (4)

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Date Prepared: _____ Study Number: _____

F. PREPARATION OF STANDARDS

1. Preparation of Solutions A and B

(b) (4)

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Table 3 – Preparation of Solutions A and B

ID	Target Concentration ($\mu\text{g/mL}$)	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)



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G. PREPARATION OF BLANKS

1. 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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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 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.

- 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.

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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	$r \geq 0.99$; 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 EXAMINATION REPORT

OPHTHALMIC EXAMINATIONS REPORT

Materials and Methods

Ophthalmic examinations were performed on all animals once pre-study (Day -6 and -7 for males, Day -7 for females), and on Core Toxicology study animals on Day 86 and 87.

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

Fourteen out of 188 male animals were found to have ocular abnormalities. Of these, 14 exhibited corneal crystals (CC1) in one or both eyes. Twenty out of 189 female animals were found to have ocular abnormalities. Of these, 20 exhibited CC1 in one or both eyes.

All other animals were noted as normal during the ophthalmic examinations.

Week 13 (Day 86 and 87) Results

Fifty-two Core Toxicology animals [male numbers 112, and 113 (CM); 201, 203, and 206 (NT120M); 404, 406, 407, and 416 (B60M); 508, 517, and 519 (B120M); 605 and 610 (E6M); 708, 709, and 717 (E60M); and 801, 803, 810, 813, 816, and 819 (E120M) and female numbers 156, 165, and 167 (CF); 266 and 270 (NT120F); 353, 355, 359, and 369 (B6F); 454, 457, 459, 460, 464, and 467 (B60F); 556 and 561 (B120F); 656, 657, 667, and 668 (E6F); 757, 760, 764, and 768 (E60F); and 858, 864, 865, and 869 (E120F)] had CC1. Male numbers 302 (B6M), 411 (B60M), and 509 and 519 (B120M) and female numbers 156 (CF) and 556 (B120F) had CC2 in one or both eyes, however the ocular structures were otherwise normal. Male animal 317 (B6M) had prominent suture lines in both eyes however the ocular structures were otherwise normal. Male animal 814 (E120M) had a cataract 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

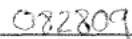
During the Week 13 (Day 86 and 87) examinations, CC1 were found in 52 mice; while 6 mice had CC2 in one or both eyes, one mouse had prominent suture lines in both eyes, and one mouse had a cataract in the right eye.

All other Core Toxicology animals examined during Week 13 (Day 86 and 87) were noted with normal ophthalmic examination results.

No test article-related ophthalmic abnormalities were noted during the study.



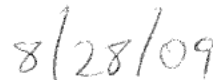
Susan J. Reed, DVM
Toxicology Battelle Columbus



Date



Tracy A. Peace, DVM, MS, DACLAM
Toxicology Battelle Columbus
Technical Review



Date

CN49730F

Ophthalmic Exam Results - Males

<u>Study ID</u>	<u>Day -7 Findings</u>	<u>Week 13 Findings</u>
	<u>09/02/2008 - 09/03/2008</u>	<u>12/03-04/2008</u>
101	Normal	Normal
102	Normal	Normal
103	Normal	Normal
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	CC1 OS	CC1 OS
113	Normal	CC1 OU
114	Normal	Normal
115	Normal	Normal
116	Normal	Normal
117	Normal	Normal
118	Normal	Normal
119	Normal	Normal
120	Normal	Normal

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

C = Cataract

CN49730F

Ophthalmic Exam Results - Males

<u>Study ID</u>	<u>Day -7 Findings</u>	<u>Week 13 Findings</u>
	<u>09/02/2008 - 09/03/2008</u>	<u>12/03-04/2008</u>
201	Normal	CC1 OD
202	Normal	Normal
203	CC1 OS	CC1 OS
204	Normal	Normal
205	Normal	Normal
206	Normal	CC1 OS
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	Normal
217	Normal	Normal
218	Normal	Normal
219	Normal	Normal
220	Normal	Normal

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

C = Cataract

CN49730F

Ophthalmic Exam Results - Males

<u>Study ID</u>	<u>Day -7 Findings</u>	<u>Week 13 Findings</u>
	<u>09/02/2008 - 09/03/2008</u>	<u>12/03-04/2008</u>
301	Normal	Normal
302	Normal	Normal
303	Normal	Normal
304	Normal	CC2 OD
305	Normal	Normal
306	Normal	Normal
307	Normal	Normal
308	Normal	Normal
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	prominent sutures OU
318	Normal	Normal
319	Normal	Normal
320	Normal	Normal

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

C = Cataract

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Ophthalmic Exam Results - Males

<u>Study ID</u>	<u>Day -7 Findings</u>	<u>Week 13 Findings</u>
	<u>09/02/2008 - 09/03/2008</u>	<u>12/03-04/2008</u>
401	Normal	Normal
402	Normal	Normal
403	Normal	Normal
404	CC1 OS	CC1 OS
405	Normal	Normal
406	Normal	CC1 OS
407	Normal	CC1 OU
408	Normal	Normal
409	Normal	Normal
410	Normal	Normal
411	Normal	CC2 OS
412	Normal	Normal
413	Normal	Normal
414	Normal	Normal
415	Normal	Normal
416	CC1 OS	CC1 OS
417	Normal	Normal
418	Normal	Normal
419	Normal	Normal
420	Normal	Normal

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

C = Cataract

CN49730F

Ophthalmic Exam Results - Males

<u>Study ID</u>	<u>Day -7 Findings</u>	<u>Week 13 Findings</u>
	<u>09/02/2008 - 09/03/2008</u>	<u>12/03-04/2008</u>
501	Normal	Normal
502	Normal	Normal
503	Normal	Normal
504	Normal	Normal
505	Normal	Normal
506	Normal	Normal
507	Normal	Normal
508	Normal	CC1 OD
509	Normal	CC2 OU
510	Normal	Normal
511	Normal	Normal
512	Normal	Normal
513	Normal	Normal
514	Normal	Normal
515	Normal	Normal
516	Normal	Normal
517	CC1 OD	CC1 OS
518	Normal	Normal
519	Normal	CC2 OS, CC1 OD
520	Normal	Normal

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

C = Cataract

CN49730F

Ophthalmic Exam Results - Males

<u>Study ID</u>	<u>Day -7 Findings</u>	<u>Week 13 Findings</u>
	<u>09/02/2008 - 09/03/2008</u>	<u>12/03-04/2008</u>
601	Normal	Normal
602	Normal	Normal
603	Normal	Normal
604	Normal	Normal
605	Normal	CC1 OD
606	Normal	Normal
607	Normal	Normal
608	Normal	Normal
609	Normal	Normal
610	Normal	CC1 OD
611	Normal	Normal
612	Normal	Normal
613	Normal	Normal
614	Normal	Normal
615	Normal	Normal
616	Normal	Normal
617	Normal	Normal
618	Normal	Normal
619	Normal	Normal
620	Normal	Normal

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

C = Cataract

CN49730F

Ophthalmic Exam Results - Males

<u>Study ID</u>	<u>Day -7 Findings</u>	<u>Week 13 Findings</u>
	<u>09/02/2008 - 09/03/2008</u>	<u>12/03-04/2008</u>
701	Normal	Normal
702	Normal	Normal
703	Normal	Normal
704	Normal	Normal
705	Normal	Normal
706	Normal	Normal
707	Normal	Normal
708	CC1 OS	CC1 OS
709	Normal	CC1 OS
710	Normal	Normal
711	Normal	Normal
712	Normal	Normal
713	Normal	Normal
714	Normal	Normal
715	Normal	Normal
716	Normal	Normal
717	CC1 OS	CC1 OS
718	Normal	Normal
719	Normal	Normal
720	Normal	Normal

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

C = Cataract

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Ophthalmic Exam Results - Males

<u>Study ID</u>	<u>Day -7 Findings</u>	<u>Week 13 Findings</u>
	<u>09/02/2008 - 09/03/2008</u>	<u>12/03-04/2008</u>
801	CC1 OD	CC1 OS
802	Normal	Normal
803	Normal	CC1 OD
804	Normal	Normal
805	Normal	Normal
806	Normal	Normal
807	Normal	Normal
808	Normal	Normal
809	Normal	Normal
810	CC1 OS	CC1 OS
811	Normal	Normal
812	Normal	Normal
813	CC1 OD	CC1 OS
814	Normal	C, central to medial
815	Normal	Normal
816	Normal	CC1 OS
817	Normal	Normal
818	Normal	Normal
819	Normal	CC1 OD
820	Normal	Normal

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

C = Cataract

CN49730F

Ophthalmic Exam Results - Females

<u>Study ID</u>	<u>Day -7 Findings</u>	<u>Week 13 Findings</u>
	<u>09/03/2008</u>	<u>12/04-05/2008</u>
151	Normal	Normal
152	Normal	Normal
153	Normal	Normal
154	Normal	Normal
155	Normal	Normal
156	Normal	CC1 OS, CC2 OD
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	Normal	Normal
167	CC1 OS	CC1 OS
168	Normal	Normal
169	Normal	Normal
170	Normal	Normal

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

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Ophthalmic Exam Results - Females

<u>Study ID</u>	<u>Day -7 Findings</u>	<u>Week 13 Findings</u>
	<u>09/03/2008</u>	<u>12/04-05/2008</u>
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	Normal	Normal
263	Normal	Normal
264	Normal	Normal
265	Normal	Normal
266	Normal	CC1 OS
267	Normal	Normal
268	Normal	Normal
269	Normal	Normal
270	CC1 OS	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

CN49730F

Ophthalmic Exam Results - Females

<u>Study ID</u>	<u>Day -7 Findings</u>	<u>Week 13 Findings</u>
	<u>09/03/2008</u>	<u>12/04-05/2008</u>
351	Normal	Normal
352	Normal	Normal
353	CC1 OD	CC1 OD
354	Normal	Normal
355	CC1 OD	CC1 OD
356	Normal	Normal
357	Normal	Normal
358	Normal	Normal
359	CC1 OS	CC1 OS
360	Normal	Normal
361	Normal	Normal
362	Normal	Normal
363	Normal	Normal
364	Normal	Normal
365	Normal	Normal
366	Normal	Normal
367	Normal	Normal
368	Normal	Normal
369	Normal	CC1 OS
370	Normal	Normal

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

CN49730F

Ophthalmic Exam Results - Females

<u>Study ID</u>	<u>Day -7 Findings</u>	<u>Week 13 Findings</u>
	<u>09/03/2008</u>	<u>12/04-05/2008</u>
451	Normal	Normal
452	Normal	Normal
453	Normal	Normal
454	CC1 OS	CC1 OS
455	Normal	Normal
456	Normal	Normal
457	Normal	CC1 OS
458	Normal	Normal
459	CC1 OD	CC1 OD
460	CC1 OS	CC1 OS
461	Normal	Normal
462	Normal	Normal
463	Normal	Normal
464	Normal	CC1 OD
465	Normal	Normal
466	Normal	Normal
467	Normal	CC1 OD
468	Normal	Normal
469	Normal	Normal
470	Normal	Normal

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

CN49730F

Ophthalmic Exam Results - Females

<u>Study ID</u>	<u>Day -7 Findings</u>	<u>Week 13 Findings</u>
	<u>09/03/2008</u>	<u>12/04-05/2008</u>
551	Normal	Normal
552	Normal	Normal
553	Normal	Normal
554	Normal	Normal
555	Normal	Normal
556	Normal	CC2 OS, CC1 OD
557	Normal	Normal
558	Normal	Normal
559	Normal	Normal
560	Normal	Normal
561	CC1 OD	CC1 OD
562	Normal	Normal
563	Normal	Normal
564	Normal	Normal
565	Normal	Normal
566	Normal	Normal
567	Normal	Normal
568	Normal	Normal
569	Normal	Normal
570	Normal	Normal

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

CN49730F

Ophthalmic Exam Results - Females

<u>Study ID</u>	<u>Day -7 Findings</u>	<u>Week 13 Findings</u>
	<u>09/03/2008</u>	<u>12/04-05/2008</u>
651	Normal	Normal
652	Normal	Normal
653	Normal	Normal
654	Normal	Normal
655	Normal	Normal
656	Normal	CC1 OS
657	CC1 OS	CC1 OS
658	Normal	Normal
659	Normal	Normal
660	Normal	Normal
661	Normal	Normal
662	Normal	Normal
663	Normal	Normal
664	Normal	Normal
665	Normal	Normal
666	Normal	Normal
667	CC1 OS	CC1 OS
668	CC1 OS	CC1 OS
669	Normal	Normal
670	Normal	Normal

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

CN49730F

Ophthalmic Exam Results - Females

<u>Study ID</u>	<u>Day -7 Findings</u>	<u>Week 13 Findings</u>
	<u>09/03/2008</u>	<u>12/04-05/2008</u>
751	Normal	Normal
752	Normal	Normal
753	Normal	Normal
754	Normal	Normal
755	Normal	Normal
756	Normal	Normal
757	CC1 OD	CC1 OD
758	Normal	Normal
759	Normal	Normal
760	CC1 OS	CC1 OS
761	Normal	Normal
762	Normal	Normal
763	Normal	Normal
764	Normal	CC1 OD
765	Normal	Normal
766	Normal	Normal
767	Normal	Normal
768	CC1 OS	CC1 OS
769	Normal	Normal
770	Normal	Normal

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

CN49730F

Ophthalmic Exam Results - Females

<u>Study ID</u>	<u>Day -7 Findings</u>	<u>Week 13 Findings</u>
	<u>09/03/2008</u>	<u>12/04-05/2008</u>
851	Normal	Normal
852	Normal	Normal
853	Normal	Normal
854	Normal	Normal
855	Normal	Normal
856	Normal	Normal
857	Normal	Normal
858	Normal	CC1 OS
859	Normal	Normal
860	Normal	Normal
861	Normal	Normal
862	Normal	Normal
863	Normal	Normal
864	Normal	CC1 OS
865	CC1 OS	CC1 OS
866	Normal	Normal
867	Normal	Normal
868	Normal	Normal
869	Normal	CC1 OS
870	Normal	Normal

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

APPENDIX H: TOXICOKINETIC REPORT

**90-DAY REPEATED DOSE SUBCHRONIC TOXICITY STUDY OF TOBACCO
BLEND AND AQUEOUS TOBACCO EXTRACT IN CD-1 MICE**

SAMPLE ANALYSIS AND KINETICS REPORT

**DETERMINATION OF NICOTINE AND COTININE IN MOUSE PLASMA BY
LIQUID CHROMATOGRAPHY WITH MASS SPECTROMETRY (LC-MS)**

Battelle Study No. CN49730F

August 24, 2009

Prepared By:

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Brian L. Burbuck 8-24-09
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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

Mouse plasma samples were received frozen from Battelle Toxicology group from the study entitled "90-Day Repeated Dose Subchronic Toxicity Study of Tobacco Blend and Aqueous Tobacco Extract in CD-1 Mice" for analysis of nicotine and cotinine plasma concentration levels.

(b) (4)



All samples were successfully analyzed.

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I. INTRODUCTION

This report contains a description of the analysis of the mouse 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 10, 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, CD-1 mouse with potassium ethylene diamine tetraacetic acid (K₃ EDTA), was received from Bioreclamation and used as the matrix to conduct this study.

IV. PLASMA SAMPLE ANALYSIS**A. SAMPLE RECEIPT**

Mouse 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 CD-1 Mice" for analysis of nicotine and cotinine plasma concentration levels. A total of 320 samples were received on the study, 80 samples each on September 26, 2008 (Week 3), October 9, 2008 (Week 5), November 6, 2008 (Week 9), and December 9-10, 2008 (Week 14). 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?
09/29/08	Set 1	All acceptance criteria met	Yes
10/2/08	Set 2	Calibration standard PS-8A was excluded	Yes
10/11/08	Set 3	All acceptance criteria met	Yes
10/11/08	Set 4	All acceptance criteria met	Yes
11/6/08	Set 5	All acceptance criteria met	Yes
11/7/08	Set 6	All acceptance criteria met	Yes
11/14/08	Set 7	NA	NA
12/10/08	Set 8	QC Low fail acceptance for average RE	Values above the QC Mid average and BAR samples
12/11/08	Set 9	QC Low fail acceptance for average RE	Values above the QC Mid average and BAR samples
12/19/08	Set 10	Calibration standard PS-8B was excluded	Yes

NA = Cotinine only repeat set.

RE – Relative error.

Table 2 – Summary of Cotinine Sample Analyses

Analysis Date	Analysis Set	Discrepancies and Acceptance Criteria	Data Reported?
09/29/08	Set 1	All acceptance criteria met	Yes
10/2/08	Set 2	All acceptance criteria met	Yes
10/11/08	Set 3	All acceptance criteria met	Yes
10/11/08	Set 4	All acceptance criteria met	Yes
11/6/08	Set 5	All acceptance criteria met	Yes
11/7/08	Set 6	All acceptance criteria met	Yes
11/14/08	Set 7	All acceptance criteria met	Yes
12/10/08	Set 8	All acceptance criteria met	Yes
12/11/08	Set 9	All acceptance criteria met	Yes
12/19/08	Set 10	Calibration standard PS-1A was excluded	Yes

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 runs. 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	09/29/08	Set 1	1.98E+02	1.98E+02	0.0
	10/2/08	Set 2	1.98E+02	2.06E+02	4.0
	10/11/08	Set 3	1.98E+02	1.93E+02	-2.5
	10/11/08	Set 4	1.98E+02	1.98E+02	0.0
	11/6/08	Set 5	1.98E+02	1.99E+02	0.5
	11/7/08	Set 6	1.98E+02	1.99E+02	0.5
	11/14/08	Set 7	NA	NA	NA
	12/10/08	Set 8	2.03E+02	2.06E+02	1.5
	12/11/08	Set 9	2.03E+02	2.02E+02	-0.5
	12/19/08	Set 10	2.03E+02	2.03E+02	0.0
PS-2	09/29/08	Set 1	1.61E+02	1.62E+02	0.6
	10/2/08	Set 2	1.61E+02	1.52E+02	-5.6
	10/11/08	Set 3	1.61E+02	1.68E+02	4.3
	10/11/08	Set 4	1.61E+02	1.62E+02	0.6
	11/6/08	Set 5	1.61E+02	1.60E+02	-0.6
	11/7/08	Set 6	1.61E+02	1.61E+02	0.0
	11/14/08	Set 7	NA	NA	NA
	12/10/08	Set 8	1.63E+02	1.57E+02	-3.7
	12/11/08	Set 9	1.63E+02	1.64E+02	0.6
	12/19/08	Set 10	1.63E+02	1.63E+02	0.0
PS-3	09/29/08	Set 1	9.90E+01	9.66E+01	-2.4
	10/2/08	Set 2	9.90E+01	9.59E+01	-3.1
	10/11/08	Set 3	9.90E+01	9.65E+01	-2.5
	10/11/08	Set 4	9.90E+01	9.75E+01	-1.5
	11/6/08	Set 5	9.90E+01	9.90E+01	0.0
	11/7/08	Set 6	9.90E+01	9.65E+01	-2.5
	11/14/08	Set 7	NA	NA	NA
	12/10/08	Set 8	1.02E+02	1.06E+02	3.9
	12/11/08	Set 9	1.02E+02	1.02E+02	0.0
	12/19/08	Set 10	1.02E+02	1.04E+02	2.0
PS-4	09/29/08	Set 1	5.04E+01	5.17E+01	2.6
	10/2/08	Set 2	5.04E+01	5.46E+01	8.3
	10/11/08	Set 3	5.04E+01	5.06E+01	0.4
	10/11/08	Set 4	5.04E+01	5.11E+01	1.4
	11/6/08	Set 5	5.04E+01	5.12E+01	1.6
	11/7/08	Set 6	5.04E+01	5.13E+01	1.8
	11/14/08	Set 7	NA	NA	NA
	12/10/08	Set 8	5.09E+01	5.02E+01	-1.4
	12/11/08	Set 9	5.09E+01	5.04E+01	-1.0
	12/19/08	Set 10	5.09E+01	4.91E+01	-3.5

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	09/29/08	Set 1	9.90E+00	9.89E+00	-0.1
	10/2/08	Set 2	9.90E+00	1.12E+01	13.1
	10/11/08	Set 3	9.90E+00	9.54E+00	-3.6
	10/11/08	Set 4	9.90E+00	9.83E+00	-0.7
	11/6/08	Set 5	9.90E+00	9.59E+00	-3.1
	11/7/08	Set 6	9.90E+00	1.05E+01	6.1
	11/14/08	Set 7	NA	NA	NA
	12/10/08	Set 8	1.02E+01	1.01E+01	-1.0
	12/11/08	Set 9	1.02E+01	1.03E+01	1.0
	12/19/08	Set 10	1.02E+01	1.01E+01	-1.0
PS-6	09/29/08	Set 1	5.04E+00	4.99E+00	-1.0
	10/2/08	Set 2	5.04E+00	4.30E+00	-14.7
	10/11/08	Set 3	5.04E+00	5.02E+00	-0.4
	10/11/08	Set 4	5.04E+00	5.13E+00	1.8
	11/6/08	Set 5	5.04E+00	4.83E+00	-4.2
	11/7/08	Set 6	5.04E+00	5.11E+00	1.4
	11/14/08	Set 7	NA	NA	NA
	12/10/08	Set 8	5.09E+00	4.86E+00	-4.5
	12/11/08	Set 9	5.09E+00	4.75E+00	-6.7
	12/19/08	Set 10	5.09E+00	5.47E+00	7.5
PS-7	09/29/08	Set 1	1.98E+00	2.03E+00	2.5
	10/2/08	Set 2	1.98E+00	1.83E+00	-7.6
	10/11/08	Set 3	1.98E+00	2.10E+00	6.1
	10/11/08	Set 4	1.98E+00	1.95E+00	-1.5
	11/6/08	Set 5	1.98E+00	1.88E+00	-5.1
	11/7/08	Set 6	1.98E+00	1.96E+00	-1.0
	11/14/08	Set 7	NA	NA	NA
	12/10/08	Set 8	2.03E+00	1.91E+00	-5.9
	12/11/08	Set 9	2.03E+00	1.95E+00	-3.9
	12/19/08	Set 10	2.03E+00	2.00E+00	-1.5
PS-8	09/29/08	Set 1	1.01E+00	9.80E-01	-3.0
	10/2/08	Set 2	1.01E+00	1.12E+00*	10.9
	10/11/08	Set 3	1.01E+00	9.86E-01	-2.4
	10/11/08	Set 4	1.01E+00	1.01E+00	0.0
	11/6/08	Set 5	1.01E+00	1.11E+00	9.9
	11/7/08	Set 6	1.01E+00	9.38E-01	-7.1
	11/14/08	Set 7	NA	NA	NA
	12/10/08	Set 8	1.02E+00	1.13E+00	10.8
	12/11/08	Set 9	1.02E+00	1.11E+00	8.8
	12/19/08	Set 10	1.02E+00	9.39E-01*	-7.9

* One or both calibration standards were excluded from the calibration curve.

NA = Cotinine only repeat set.

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	09/29/08	Set 1	2.02E+03	2.00E+03	-1.0
	10/2/08	Set 2	2.02E+03	2.02E+03	0.0
	10/11/08	Set 3	2.02E+03	1.98E+03	-2.0
	10/11/08	Set 4	2.02E+03	2.04E+03	1.0
	11/6/08	Set 5	2.02E+03	2.00E+03	-1.0
	11/7/08	Set 6	2.02E+03	2.02E+03	0.0
	11/14/08	Set 7	2.02E+03	2.03E+03	0.5
	12/10/08	Set 8	1.99E+03	1.96E+03	-1.5
	12/11/08	Set 9	1.99E+03	1.95E+03	-2.0
	12/19/08	Set 10	1.99E+03	2.03E+03*	2.0
PS-2	09/29/08	Set 1	1.62E+03	1.64E+03	1.2
	10/2/08	Set 2	1.62E+03	1.60E+03	-1.2
	10/11/08	Set 3	1.62E+03	1.66E+03	2.5
	10/11/08	Set 4	1.62E+03	1.59E+03	-1.9
	11/6/08	Set 5	1.62E+03	1.64E+03	1.2
	11/7/08	Set 6	1.62E+03	1.62E+03	0.0
	11/14/08	Set 7	1.62E+03	1.58E+03	-2.5
	12/10/08	Set 8	1.62E+03	1.66E+03	2.5
	12/11/08	Set 9	1.62E+03	1.68E+03	3.7
	12/19/08	Set 10	1.62E+03	1.60E+03	-1.2
PS-3	09/29/08	Set 1	1.01E+03	1.00E+03	-1.0
	10/2/08	Set 2	1.01E+03	1.03E+03	2.0
	10/11/08	Set 3	1.01E+03	1.03E+03	2.0
	10/11/08	Set 4	1.01E+03	1.02E+03	1.0
	11/6/08	Set 5	1.01E+03	1.01E+03	0.0
	11/7/08	Set 6	1.01E+03	1.00E+03	-1.0
	11/14/08	Set 7	1.01E+03	1.06E+03	5.0
	12/10/08	Set 8	9.95E+02	9.91E+02	-0.4
	12/11/08	Set 9	9.95E+02	9.85E+02	-1.0
	12/19/08	Set 10	9.95E+02	9.93E+02	-0.2
PS-4	09/29/08	Set 1	5.05E+02	4.98E+02	-1.4
	10/2/08	Set 2	5.05E+02	4.91E+02	-2.8
	10/11/08	Set 3	5.05E+02	4.89E+02	-3.2
	10/11/08	Set 4	5.05E+02	5.02E+02	-0.6
	11/6/08	Set 5	5.05E+02	5.00E+02	-1.0
	11/7/08	Set 6	5.05E+02	5.01E+02	-0.8
	11/14/08	Set 7	5.05E+02	4.88E+02	-3.4
	12/10/08	Set 8	5.07E+02	5.06E+02	-0.2
	12/11/08	Set 9	5.07E+02	5.04E+02	-0.6
	12/19/08	Set 10	5.07E+02	5.15E+02	1.6

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	09/29/08	Set 1	1.01E+02	1.05E+02	4.0
	10/2/08	Set 2	1.01E+02	1.05E+02	4.0
	10/11/08	Set 3	1.01E+02	9.67E+01	-4.3
	10/11/08	Set 4	1.01E+02	1.04E+02	3.0
	11/6/08	Set 5	1.01E+02	9.84E+01	-2.6
	11/7/08	Set 6	1.01E+02	1.06E+02	5.0
	11/14/08	Set 7	1.01E+02	9.86E+01	-2.4
	12/10/08	Set 8	9.95E+01	9.63E+01	-3.2
	12/11/08	Set 9	9.95E+01	9.58E+01	-3.7
	12/19/08	Set 10	9.95E+01	9.87E+01	-0.8
PS-6	09/29/08	Set 1	5.05E+01	5.07E+01	0.4
	10/2/08	Set 2	5.05E+01	4.92E+01	-2.6
	10/11/08	Set 3	5.05E+01	4.83E+01	-4.4
	10/11/08	Set 4	5.05E+01	4.89E+01	-3.2
	11/6/08	Set 5	5.05E+01	5.19E+01	2.8
	11/7/08	Set 6	5.05E+01	5.36E+01	6.1
	11/14/08	Set 7	5.05E+01	5.00E+01	-1.0
	12/10/08	Set 8	5.07E+01	4.83E+01	-4.7
	12/11/08	Set 9	5.07E+01	5.15E+01	1.6
	12/19/08	Set 10	5.07E+01	5.05E+01	-0.4
PS-7	09/29/08	Set 1	2.02E+01	1.90E+01	-5.9
	10/2/08	Set 2	2.02E+01	2.04E+01	1.0
	10/11/08	Set 3	2.02E+01	2.06E+01	2.0
	10/11/08	Set 4	2.02E+01	1.97E+01	-2.5
	11/6/08	Set 5	2.02E+01	2.01E+01	-0.5
	11/7/08	Set 6	2.02E+01	1.96E+01	-3.0
	11/14/08	Set 7	2.02E+01	2.02E+01	0.0
	12/10/08	Set 8	1.99E+01	2.03E+01	2.0
	12/11/08	Set 9	1.99E+01	1.96E+01	-1.5
	12/19/08	Set 10	1.99E+01	1.89E+01	-5.0
PS-8	09/29/08	Set 1	1.01E+01	1.04E+01	3.0
	10/2/08	Set 2	1.01E+01	1.00E+01	-1.0
	10/11/08	Set 3	1.01E+01	1.08E+01	6.9
	10/11/08	Set 4	1.01E+01	1.04E+01	3.0
	11/6/08	Set 5	1.01E+01	1.02E+01	1.0
	11/7/08	Set 6	1.01E+01	9.47E+00	-6.2
	11/14/08	Set 7	1.01E+01	1.05E+01	4.0
	12/10/08	Set 8	1.01E+01	1.07E+01	5.9
	12/11/08	Set 9	1.01E+01	1.05E+01	4.0
	12/19/08	Set 10	1.01E+01	1.07E+01	5.9

* One or both calibration standards were excluded from the calibration curve.

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. The blanks for cotinine met all 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 relative standard deviation (RSD) less than or equal to 15%) except for nicotine in analysis sets 8 and 9. 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	09/29/08	Set 1	1.48E+02	1.44E+02	2.4	-2.7
	10/2/08	Set 2	1.48E+02	1.45E+02	3.1	-2.0
	10/11/08	Set 3	1.48E+02	1.41E+02	3.5	-4.7
	10/11/08	Set 4	1.48E+02	1.41E+02	5.4	-4.7
	11/6/08	Set 5	1.48E+02	1.36E+02	5.3	-8.1
	11/7/08	Set 6	1.48E+02	1.44E+02	2.6	-2.7
	11/14/08	Set 7	NA	NA	NA	NA
	12/10/08	Set 8	1.52E+02	1.40E+02	5.5	-7.9
	12/11/08	Set 9	1.52E+02	1.51E+02	3.8	-0.7
	12/19/08	Set 10	1.52E+02	1.57E+02	1.7	3.3
Mid	09/29/08	Set 1	2.97E+01	2.83E+01	4.1	-4.7
	10/2/08	Set 2	2.97E+01	2.94E+01	3.6	-1.0
	10/11/08	Set 3	2.97E+01	2.87E+01	4.5	-3.4
	10/11/08	Set 4	2.97E+01	2.92E+01	3.4	-1.7
	11/6/08	Set 5	2.97E+01	2.82E+01	4.5	-5.1
	11/7/08	Set 6	2.97E+01	2.90E+01	2.7	-2.4
	11/14/08	Set 7	NA	NA	NA	NA
	12/10/08	Set 8	3.05E+01	2.74E+01	4.1	-10.2
	12/11/08	Set 9	3.05E+01	2.83E+01	2.0	-7.2
	12/19/08	Set 10	3.05E+01	2.84E+01	3.7	-6.9
Low	09/29/08	Set 1	2.97E+00	2.99E+00	5.7	0.7
	10/2/08	Set 2	2.97E+00	2.62E+00	9.6	-11.8
	10/11/08	Set 3	2.97E+00	3.13E+00	7.1	5.4
	10/11/08	Set 4	2.97E+00	3.02E+00	6.4	1.7
	11/6/08	Set 5	2.97E+00	2.61E+00	13.5	-12.1
	11/7/08	Set 6	2.97E+00	2.90E+00	9.2	-2.4
	11/14/08	Set 7	NA	NA	NA	NA
	12/10/08	Set 8	3.05E+00	5.40E+00	7.5	77.0
	12/11/08	Set 9	3.05E+00	3.74E+00	8.1	22.6
	12/19/08	Set 10	3.05E+00	2.73E+00	5.1	-10.5

NA = Cotinine only repeat set.

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	09/29/08	Set 1	1.51E+03	1.52E+03	3.6	0.7
	10/2/08	Set 2	1.51E+03	1.43E+03	2.8	-5.3
	10/11/08	Set 3	1.51E+03	1.50E+03	5.2	-0.7
	10/11/08	Set 4	1.51E+03	1.42E+03	2.4	-6.0
	11/6/08	Set 5	1.51E+03	1.39E+03	1.9	-7.9
	11/7/08	Set 6	1.51E+03	1.45E+03	2.1	-4.0
	11/14/08	Set 7	1.51E+03	1.47E+03	1.6	-2.6
	12/10/08	Set 8	1.49E+03	1.40E+03	3.0	-6.0
	12/11/08	Set 9	1.49E+03	1.41E+03	3.0	-5.4
	12/19/08	Set 10	1.49E+03	1.39E+03	3.8	-6.7
Mid	09/29/08	Set 1	3.03E+02	2.95E+02	4.3	-2.6
	10/2/08	Set 2	3.03E+02	3.20E+02	2.9	5.6
	10/11/08	Set 3	3.03E+02	2.83E+02	5.4	-6.6
	10/11/08	Set 4	3.03E+02	2.91E+02	7.5	-4.0
	11/6/08	Set 5	3.03E+02	2.81E+02	3.2	-7.3
	11/7/08	Set 6	3.03E+02	3.05E+02	1.2	0.7
	11/14/08	Set 7	3.03E+02	2.88E+02	2.5	-5.0
	12/10/08	Set 8	2.99E+02	2.60E+02	3.3	-13.0
	12/11/08	Set 9	2.99E+02	2.62E+02	1.7	-12.4
	12/19/08	Set 10	2.99E+02	2.67E+02	1.6	-10.7
Low	09/29/08	Set 1	3.03E+01	3.02E+01	1.9	-0.3
	10/2/08	Set 2	3.03E+01	2.93E+01	4.1	-3.3
	10/11/08	Set 3	3.03E+01	2.85E+01	3.9	-5.9
	10/11/08	Set 4	3.03E+01	2.96E+01	2.3	-2.3
	11/6/08	Set 5	3.03E+01	2.82E+01	3.9	-6.9
	11/7/08	Set 6	3.03E+01	2.94E+01	1.7	-3.0
	11/14/08	Set 7	3.03E+01	2.91E+01	4.8	-4.0
	12/10/08	Set 8	2.99E+01	2.62E+01	2.8	-12.4
	12/11/08	Set 9	2.99E+01	2.65E+01	2.5	-11.4
	12/19/08	Set 10	2.99E+01	2.64E+01	4.6	-11.7

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 the each IS are shown in Figure 5 and Figure 6.

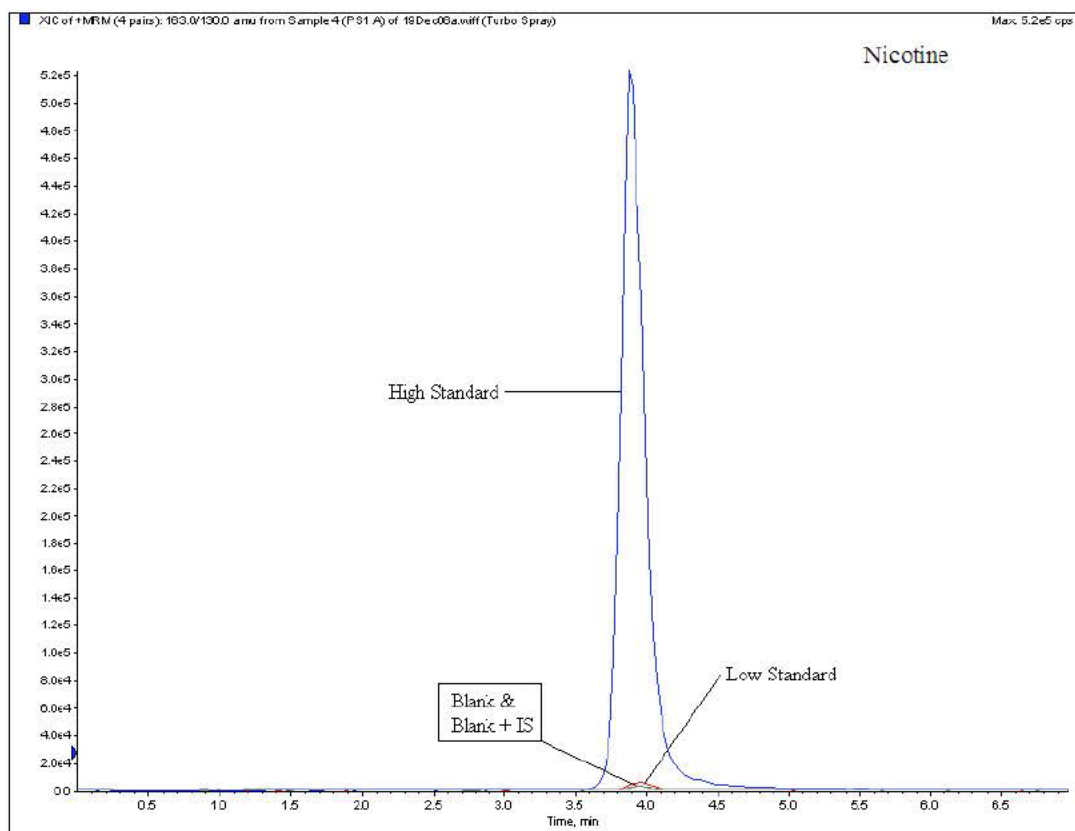


Figure 1 – Representative Overlaid Chromatograms from Nicotine High and Low Plasma Calibration Standards, a Plasma Blank with IS, and a Plasma Blank – Full Scale

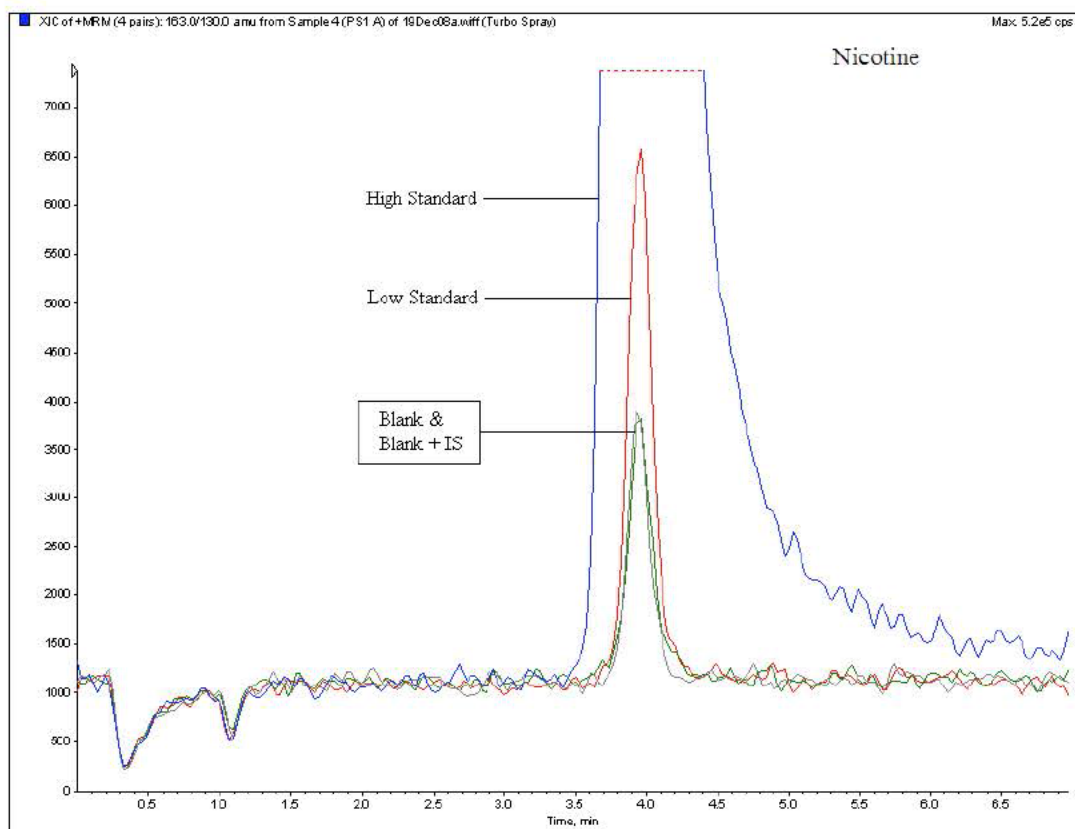


Figure 2 – Representative Overlaid Nicotine Chromatograms from Nicotine High and Low Plasma Calibration Standards, a Plasma Blank with IS, and a Plasma Blank – Reduced Scale

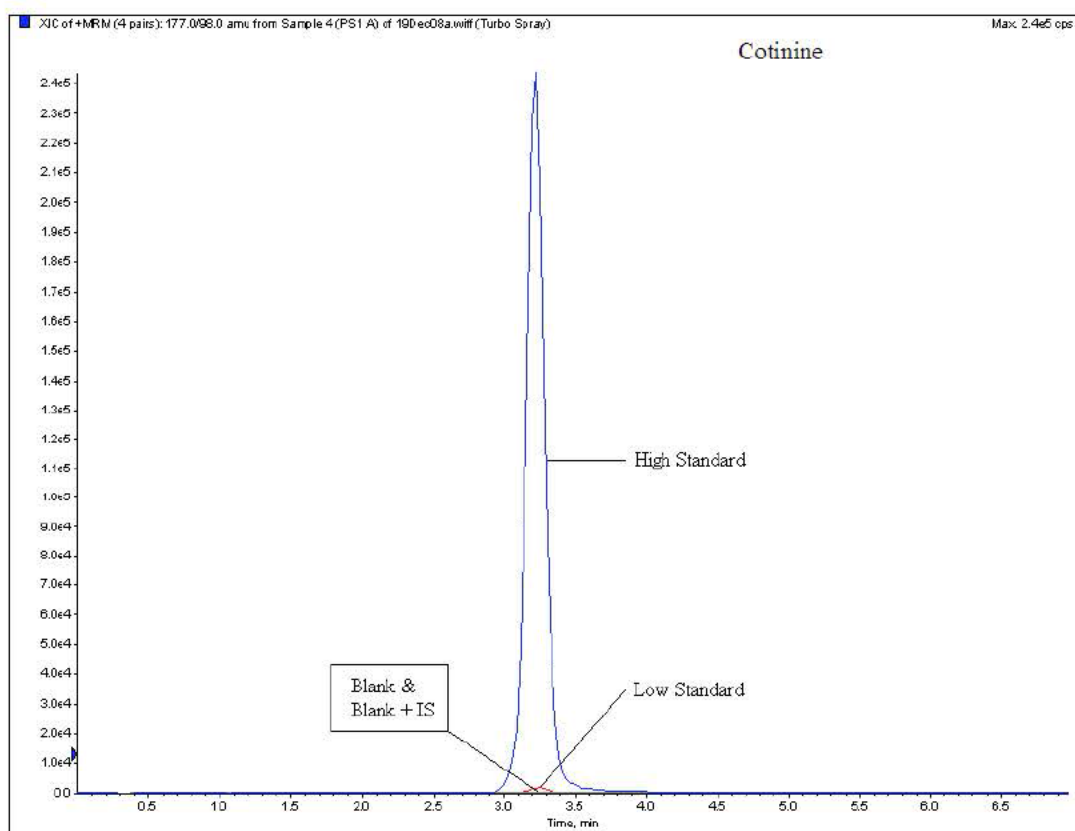


Figure 3 – Representative Overlaid Chromatograms from Cotinine High and Low Plasma Calibration Standards, a Plasma Blank with IS, and a Plasma Blank – Full Scale

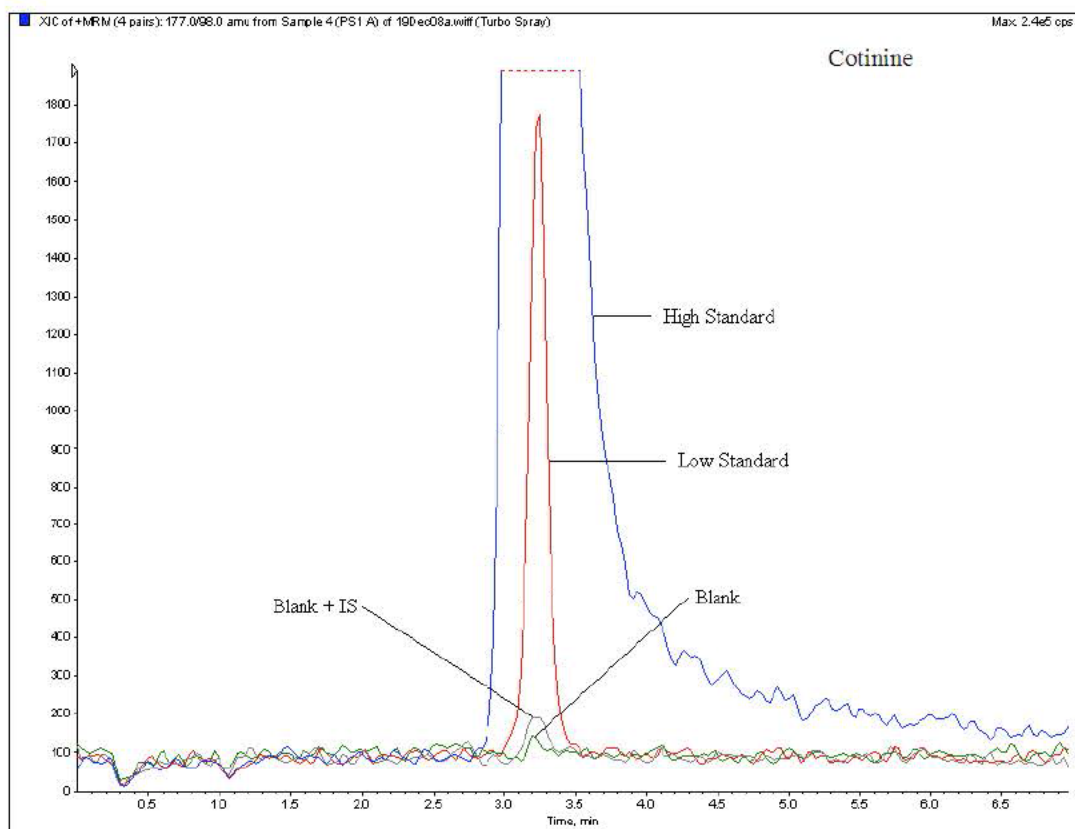


Figure 4 – Representative Overlaid Chromatograms from Cotinine High and Low Plasma Calibration Standards, a Plasma Blank with IS, and a Plasma Blank – Reduced Scale

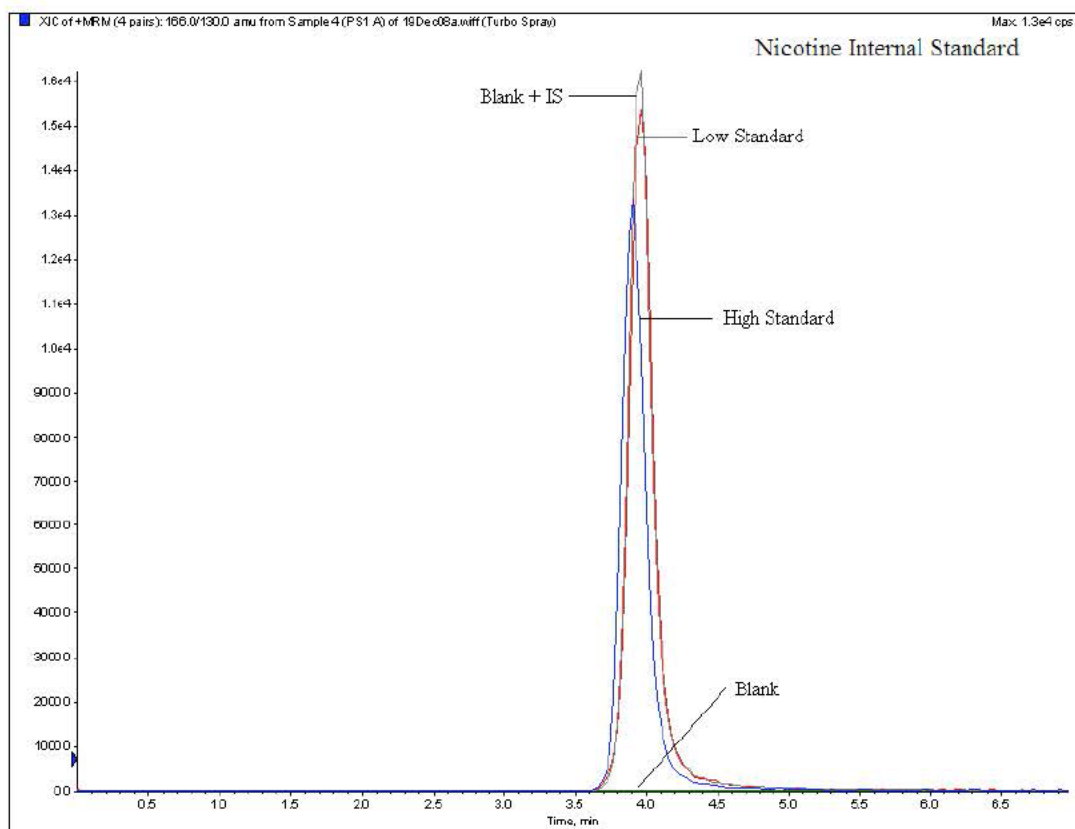


Figure 5 – Representative Overlaid IS Chromatograms from Nicotine High and Low Standards, a Plasma Blank with IS, and a Plasma Blank – Full Scale

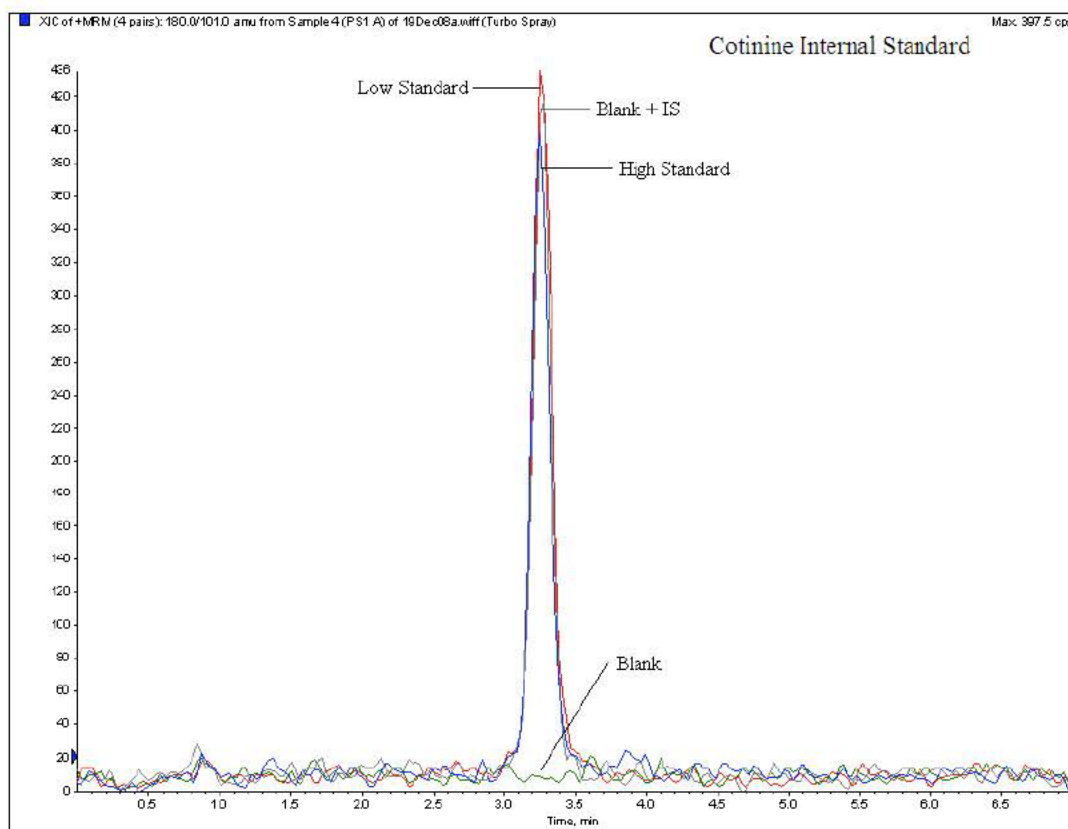


Figure 6 – Representative Overlaid IS Chromatograms from Cotinine High and Low Standards, a Plasma Blank with IS, and a Plasma Blank – Full Scale

The results from the analyses for nicotine and cotinine are shown in Tables 7 through Table 14. Any samples with calculated concentrations below the limit of quantitation are listed as BLOQ.

Table 7 – Control Dose Groups CM and CF Results

Animal ID	Sex	Sample Interval (Week)	Nicotine Determined Concentration (ng/mL)	Cotinine Determined Concentration (ng/mL)
121	Male	3	BLOQ	BLOQ
122		3	BLOQ	BLOQ
123		3	BLOQ*	BLOQ*
124		3	BLOQ	BLOQ
125		3	BLOQ	BLOQ
171	Female	3	ND*	BLOQ*
172		3	BLOQ*	BLOQ*
173		3	BLOQ	BLOQ
174		3	BLOQ*	BLOQ*
175		3	ND	BLOQ
121	Male	5	BLOQ	BLOQ
122		5	BLOQ	BLOQ
123		5	BLOQ	BLOQ
124		5	BLOQ	BLOQ
125		5	BLOQ	BLOQ
171	Female	5	BLOQ*	BLOQ*
172		5	BLOQ	BLOQ
173		5	BLOQ*	BLOQ*
174		5	BLOQ*	BLOQ*
175		5	BLOQ*	BLOQ*
121	Male	9	BLOQ	BLOQ
122		9	BLOQ	BLOQ
123		9	BLOQ	BLOQ
124		9	BLOQ	BLOQ
125		9	BLOQ	BLOQ
171	Female	9	BLOQ	BLOQ
172		9	BLOQ	BLOQ
173		9	BLOQ	BLOQ
174		9	BLOQ	BLOQ
175		9	BLOQ	BLOQ
121	Male	14	BLOQ	ND
123		14	BLOQ*	BLOQ*
124		14	BLOQ*	ND*
125		14	BLOQ	ND
126		14	BLOQ*	ND*
171	Female	14	BLOQ*	BLOQ*
172		14	BLOQ*	BLOQ
173		14	BLOQ*	BLOQ
174		14	BLOQ	BLOQ
175		14	BLOQ*	BLOQ*

* Sample result ND or BLOQ with less than full volume, used all available sample.

Table 8 – NT120M and NT120F (120 mg/kg/day) Results

Animal ID	Sex	Sample Interval (Week)	Nicotine Determined Concentration (ng/mL)	Cotinine Determined Concentration (ng/mL)
221	Male	3	3.41E+02	5.93E+03
222		3	2.85E+02	3.51E+03
223		3	3.58E+02	5.06E+03
224		3	2.77E+02	4.51E+03
225		3	3.94E+02	4.75E+03
271	Female	3	3.57E+02	4.90E+03
272		3	3.64E+02	4.49E+03
273		3	3.18E+02	3.91E+03
274		3	3.83E+02	4.28E+03
275		3	1.41E+02	1.59E+03
221	Male	5	3.24E+02	5.16E+03
222		5	2.24E+02	2.85E+03
223		5	4.92E+02	4.27E+03
224		5	4.09E+02	5.24E+03
225		5	5.20E+02	6.61E+03
271	Female	5	4.25E+02	5.32E+03
272		5	2.07E+02	2.07E+03
273		5	2.29E+02	2.40E+03
274		5	2.61E+02	3.03E+03
275		5	1.68E+01	7.84E+02
221	Male	9	4.16E+02	6.85E+03
222		9	1.89E+02	3.85E+03
224		9	4.76E+02	5.51E+03
225		9	2.26E+02	3.63E+03
229		9	4.27E+02	6.66E+03
271	Female	9	3.77E+02	3.38E+03
272		9	2.07E+02	2.88E+03
273		9	2.87E+02	3.56E+03
274		9	3.11E+02	4.04E+03
275		9	2.27E+01	8.37E+02
221	Male	14	4.09E+02	6.51E+03
222		14	4.35E+02	6.72E+03
224		14	5.26E+02	6.49E+03
225		14	3.61E+02	4.88E+03
229		14	4.75E+02	8.62E+03
271	Female	14	3.97E+02	3.66E+03
272		14	2.03E+02	2.35E+03
273		14	3.25E+02	3.41E+03
274		14	2.60E+02	3.34E+03
275		14	3.20E+01	1.38E+03

Table 9 – B6M and B6F (6 mg/kg/day) Results

Animal ID	Sex	Sample Interval (Week)	Nicotine Determined Concentration (ng/mL)	Cotinine Determined Concentration (ng/mL)
321	Male	3	BLOQ	5.15E+01
322		3	9.12E+00	1.03E+02
323		3	8.39E+00	2.07E+02
324		3	BLOQ*	4.63E+01
325		3	BLOQ	1.04E+01
371	Female	3	BLOQ*	BLOQ*
372		3	BLOQ*	BLOQ*
373		3	BLOQ	1.57E+01
374		3	BLOQ	1.57E+01
375		3	ND	1.20E+01
321	Male	5	BLOQ*	4.29E+01
322		5	1.40E+01	1.69E+02
323		5	4.09E+00	1.57E+02
324		5	2.01E+00	8.81E+01
325		5	BLOQ	3.96E+01
371	Female	5	1.74E+00	3.51E+01
372		5	BLOQ*	1.81E+01
373		5	BLOQ	2.13E+01
374		5	BLOQ	BLOQ
375		5	BLOQ	2.96E+01
321	Male	9	BLOQ	7.32E+01
322		9	1.69E+01	2.66E+02
323		9	1.65E+01	2.94E+02
324		9	5.69E+00	1.70E+02
325		9	3.38E+00	1.16E+02
371	Female	9	1.46E+00	8.63E+01
372		9	BLOQ	6.91E+01
373		9	2.69E+00	7.62E+01
374		9	2.63E+00	1.29E+02
375		9	BLOQ	4.78E+01
321	Male	14	4.48E+00	1.29E+02
323		14	1.30E+01	3.21E+02
324		14	7.66E+00	2.14E+02
325		14	1.14E+00	7.90E+01
326		14	2.87E+01	2.76E+02
371	Female	14	1.06E+01	1.19E+02
372		14	BLOQ*	3.84E+01
373		14	2.38E+00	1.02E+02
374		14	4.65E+00	1.62E+02
375		14	1.36E+00	5.72E+01

* Sample result BLOQ with less than full volume, used all available sample.

Table 10 – B60M and B60F (60 mg/kg/day) Results

Animal ID	Sex	Sample Interval (Week)	Nicotine Determined Concentration (ng/mL)	Cotinine Determined Concentration (ng/mL)
421	Male	3	1.95E+02	2.68E+03
422		3	2.79E+02	3.00E+03
423		3	3.51E+01	1.53E+03
424		3	1.90E+02	2.23E+03
425		3	1.96E+02	3.35E+03
471	Female	3	3.54E+01	1.39E+03
472		3	6.53E+00	3.55E+02
473		3	1.30E+01	8.83E+02
474		3	2.52E+00	2.30E+02
475		3	6.52E+00	2.50E+02
421	Male	5	2.01E+02	2.95E+03
422		5	2.59E+02	2.86E+03
423		5	2.85E+02	3.16E+03
424		5	2.36E+02	3.94E+03
425		5	3.37E+02	3.68E+03
471	Female	5	1.85E+01	7.18E+02
472		5	1.83E+01	3.76E+02
473		5	2.11E+01	4.24E+02
474		5	8.81E+00	2.65E+02
475		5	9.43E+00	3.57E+02
422	Male	9	2.81E+02	2.47E+03
423		9	3.05E+02	4.14E+03
424		9	1.38E+02	3.27E+03
425		9	3.52E+02	3.90E+03
426		9	3.34E+02	2.96E+03
471	Female	9	1.41E+02	2.14E+03
472		9	1.05E+02	1.79E+03
473		9	3.08E+01	1.70E+03
474		9	7.03E+01	1.77E+03
475		9	9.27E+01	1.64E+03
422	Male	14	6.92E+02	4.13E+03
423		14	2.96E+02	4.78E+03
424		14	3.08E+02	4.67E+03
425		14	5.19E+02	3.53E+03
426		14	5.35E+02	4.94E+03
471	Female	14	1.35E+02	2.67E+03
472		14	1.43E+02	2.32E+03
473		14	1.88E+02	3.08E+03
474		14	1.00E+02	2.19E+03
475		14	3.51E+01	1.11E+03

Table 11 – B120M and B120F (120 mg/kg/day) Results

Animal ID	Sex	Sample Interval (Week)	Nicotine Determined Concentration (ng/mL)	Cotinine Determined Concentration (ng/mL)
521	Male	3	1.74E+02	3.78E+03
522		3	1.16E+02	4.32E+03
523		3	4.08E+02	5.50E+03
524		3	4.54E+02	5.58E+03
525		3	2.16E+02	4.03E+03
571	Female	3	9.53E+01	1.97E+03
572		3	1.21E+02	2.62E+03
573		3	8.01E+01	2.17E+03
574		3	6.83E+00	4.35E+02
575		3	7.02E+01	1.47E+03
521	Male	5	3.06E+02	4.72E+03
522		5	4.15E+02	6.34E+03
523		5	7.65E+02	6.38E+03
524		5	1.36E+02	4.03E+03
525		5	3.24E+02	5.33E+03
572	Female	5	2.68E+02	3.18E+03
574		5	1.41E+02	2.06E+03
576		5	1.81E+02	2.05E+03
577		5	2.28E+02	2.67E+03
578		5	1.29E+02	2.78E+03
521	Male	9	1.14E+02	3.64E+03
522		9	6.03E+02	8.34E+03
523		9	5.63E+02	6.34E+03
524		9	5.95E+01	3.44E+03
525		9	4.64E+02	8.21E+03
572	Female	9	4.04E+02	4.92E+03
574		9	2.29E+02	2.60E+03
576		9	1.60E+02	3.10E+03
577		9	3.06E+02	3.09E+03
578		9	3.30E+02	4.29E+03
521	Male	14	7.87E+01	3.61E+03
522		14	5.83E+02	1.09E+04
523		14	5.11E+02	5.77E+03
524		14	1.41E+02	3.81E+03
525		14	5.94E+02	8.42E+03
572	Female	14	5.47E+02	6.48E+03
576		14	1.99E+02	3.51E+03
577		14	2.95E+02	3.69E+03
578		14	3.13E+02	5.35E+03
579		14	1.01E+02	2.70E+03

Table 12 – E6M and E6F (6 mg/kg/day) Results

Animal ID	Sex	Sample Interval (Week)	Nicotine Determined Concentration (ng/mL)	Cotinine Determined Concentration (ng/mL)
621	Male	3	2.32E+01	1.13E+02
622		3	BLOQ*	4.93E+01
623		3	BLOQ*	3.70E+01
624		3	BLOQ	2.64E+01
625		3	BLOQ	5.99E+01
671	Female	3	1.01E+00	3.80E+01
672		3	1.96E+00	4.62E+01
673		3	5.73E+00	5.71E+01
674		3	BLOQ*	3.50E+01
675		3	BLOQ	1.85E+01
621	Male	5	BLOQ	6.27E+01
623		5	BLOQ	2.73E+01
624		5	1.67E+00	6.91E+01
625		5	BLOQ	4.82E+01
626		5	1.97E+00	4.28E+01
671	Female	5	2.89E+00	5.29E+01
672		5	1.52E+00	4.73E+01
673		5	9.89E-01	2.72E+01
674		5	BLOQ	1.54E+01
675		5	BLOQ	2.24E+01
621	Male	9	9.28E+00	1.39E+02
623		9	8.55E+00	1.20E+02
624		9	6.26E+00	1.56E+02
625		9	2.32E+00	6.20E+01
626		9	BLOQ	7.88E+01
671	Female	9	1.43E+00	8.40E+01
672		9	2.15E+00	9.73E+01
673		9	1.00E+01	2.52E+02
674		9	2.07E+00	1.17E+02
675		9	BLOQ	1.44E+01
621	Male	14	5.71E+00	1.03E+02
623		14	BLOQ*	1.05E+02
624		14	6.92E+00	2.08E+02
625		14	3.66E+01	2.18E+02
626		14	BLOQ*	3.60E+01
671	Female	14	BLOQ*	5.81E+01
672		14	3.43E+00	1.04E+02
673		14	1.82E+00	9.26E+01
674		14	BLOQ*	1.02E+02
675		14	BLOQ*	5.17E+01

* Sample result BLOQ for nicotine with less than full volume, used all available sample.

Table 13 – E60M and E60F (60 mg/kg/day) Results

Animal ID	Sex	Sample Interval (Week)	Nicotine Determined Concentration (ng/mL)	Cotinine Determined Concentration (ng/mL)
721	Male	3	1.39E+02	3.32E+03
722		3	8.61E+01	1.97E+03
723		3	1.54E+02	3.07E+03
724		3	1.12E+02	2.89E+03
725		3	1.40E+02	3.36E+03
771	Female	3	9.85E+01	1.21E+03
772		3	1.43E+01	9.06E+02
773		3	3.53E+00	2.14E+02
774		3	8.55E+00	6.49E+02
775		3	1.86E+00	1.03E+02
721	Male	5	2.47E+02	3.53E+03
722		5	6.31E+01	1.50E+03
723		5	6.54E+01	2.16E+03
724		5	1.22E+02	2.68E+03
725		5	1.83E+02	3.63E+03
771	Female	5	2.02E+02	1.76E+03
772		5	8.27E+01	1.03E+03
773		5	6.75E+01	1.12E+03
774		5	2.50E+01	1.08E+03
775		5	1.92E+01	4.05E+02
721	Male	9	2.61E+02	4.32E+03
722		9	1.59E+02	3.33E+03
723		9	1.64E+02	2.52E+03
724		9	2.92E+02	3.41E+03
725		9	2.99E+02	3.92E+03
771	Female	9	2.04E+02	2.10E+03
772		9	2.05E+02	2.05E+03
773		9	1.97E+02	3.03E+03
774		9	9.94E+01	2.59E+03
775		9	6.66E+01	1.76E+03
721	Male	14	1.78E+02	3.55E+03
722		14	4.02E+02	5.99E+03
724		14	5.09E+02	4.41E+03
725		14	4.03E+02	4.87E+03
726		14	3.06E+02	4.31E+03
771	Female	14	2.38E+02	2.97E+03
772		14	2.64E+02	3.19E+03
773		14	1.53E+02	3.14E+03
774		14	1.00E+02	3.10E+03
775		14	3.30E+00	2.62E+02

Table 14 – E120M and E120F (120 mg/kg/day) Results

Animal ID	Sex	Sample Interval (Week)	Nicotine Determined Concentration (ng/mL)	Cotinine Determined Concentration (ng/mL)
821	Male	3	4.72E+02	6.03E+03
822		3	1.85E+02	3.79E+03
823		3	2.52E+02	5.02E+03
824		3	3.25E+02	4.49E+03
825		3	8.72E+01	2.94E+03
871	Female	3	8.91E+01	1.99E+03
872		3	3.48E+01	1.09E+03
873		3	1.43E+02	2.74E+03
874		3	6.58E+01	2.08E+03
875		3	1.89E+02	2.76E+03
821	Male	5	4.59E+02	6.03E+03
823		5	4.03E+02	6.32E+03
824		5	3.61E+02	3.94E+03
825		5	7.38E+01	3.01E+03
826		5	7.94E+01	3.14E+03
871	Female	5	1.80E+02	2.63E+03
872		5	2.28E+02	2.63E+03
873		5	1.83E+02	2.66E+03
874		5	3.50E+01	1.35E+03
875		5	1.93E+02	3.11E+03
821	Male	9	8.43E+02	7.82E+03
823		9	6.36E+02	6.65E+03
824		9	3.38E+02	4.61E+03
825		9	1.28E+02	3.70E+03
827		9	2.84E+02	4.55E+03
871	Female	9	9.99E+01	1.90E+03
872		9	4.16E+01	1.11E+03
873		9	2.23E+02	3.58E+03
874		9	1.67E+02	2.62E+03
875		9	3.47E+02	4.15E+03
821	Male	14	9.76E+02	8.44E+03
823		14	4.03E+02	5.73E+03
824		14	3.92E+02	4.95E+03
825		14	1.20E+02	3.77E+03
828		14	9.32E+02	7.86E+03
871	Female	14	4.06E+02	5.40E+03
872		14	3.46E+02	4.76E+03
873		14	7.17E+01	2.38E+03
874		14	7.33E+01	2.46E+03
875		14	4.55E+02	4.91E+03

D. INCURRED SAMPLE REANALYSIS (ISR)

Thirty-five Week 5 interval samples or approximately 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 100% 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
ISR 221	M	5	120	3.24E+02	3.08E+02	3.16E+02	2.5	-2.5
ISR 222	M	5	120	2.24E+02	2.05E+02	2.15E+02	4.4	-4.4
ISR 223	M	5	120	4.92E+02	5.66E+02	5.29E+02	-7.0	7.0
ISR 224	M	5	120	4.09E+02	3.98E+02	4.04E+02	1.4	-1.4
ISR 225	M	5	120	5.20E+02	5.37E+02	5.29E+02	-1.6	1.6
ISR 272	F	5	120	2.07E+02	2.21E+02	2.14E+02	-3.3	3.3
ISR 273	F	5	120	2.29E+02	2.28E+02	2.29E+02	0.2	-0.2
ISR 274	F	5	120	2.61E+02	3.27E+02	2.94E+02	-11.2	11.2
ISR 275	F	5	120	1.68E+01	1.49E+01	1.59E+01	6.0	-6.0
ISR 422	M	5	60	2.59E+02	3.07E+02	2.83E+02	-8.5	8.5
ISR 423	M	5	60	2.85E+02	2.58E+02	2.72E+02	5.0	-5.0
ISR 472	F	5	60	1.83E+01	2.25E+01	2.04E+01	-10.3	10.3
ISR 474	F	5	60	8.81E+00	9.15E+00	8.98E+00	-1.9	1.9
ISR 475	F	5	60	9.43E+00	8.05E+00	8.74E+00	7.9	-7.9
ISR 522	M	5	120	4.15E+02	4.63E+02	4.39E+02	-5.5	5.5
ISR 524	M	5	120	1.36E+02	1.37E+02	1.37E+02	-0.4	0.4
ISR 525	M	5	120	3.24E+02	3.61E+02	3.43E+02	-5.4	5.4
ISR 572	F	5	120	2.68E+02	3.02E+02	2.85E+02	-6.0	6.0
ISR 574	F	5	120	1.41E+02	1.82E+02	1.62E+02	-12.7	12.7
ISR 577	F	5	120	2.28E+02	2.61E+02	2.45E+02	-6.7	6.7
ISR 578	F	5	120	1.29E+02	1.39E+02	1.34E+02	-3.7	3.7
ISR 723	M	5	60	6.54E+01	7.58E+01	7.06E+01	-7.4	7.4
ISR 724	M	5	60	1.22E+02	1.29E+02	1.26E+02	-2.8	2.8
ISR 725	M	5	60	1.83E+02	2.19E+02	2.01E+02	-9.0	9.0
ISR 772	F	5	60	8.27E+01	9.56E+01	8.92E+01	-7.2	7.2
ISR 773	F	5	60	6.75E+01	7.20E+01	6.98E+01	-3.2	3.2
ISR 774	F	5	60	2.50E+01	2.62E+01	2.56E+01	-2.3	2.3
ISR 821	M	5	120	4.59E+02	5.65E+02	5.12E+02	-10.4	10.4
ISR 824	M	5	120	3.61E+02	4.27E+02	3.94E+02	-8.4	8.4
ISR 825	M	5	120	7.38E+01	7.73E+01	7.56E+01	-2.3	2.3
ISR 826	M	5	120	7.94E+01	8.83E+01	8.39E+01	-5.3	5.3
ISR 872	F	5	120	2.28E+02	2.45E+02	2.37E+02	-3.6	3.6
ISR 873	F	5	120	1.83E+02	2.10E+02	1.97E+02	-6.9	6.9
ISR 874	F	5	120	3.50E+01	3.94E+01	3.72E+01	-5.9	5.9
ISR 875	F	5	120	1.93E+02	2.20E+02	2.07E+02	-6.5	6.5

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
ISR 221	M	5	120	5.16E+03	6.36E+03	5.76E+03	-10.4	10.4
ISR 222	M	5	120	2.85E+03	3.43E+03	3.14E+03	-9.2	9.2
ISR 223	M	5	120	4.27E+03	4.86E+03	4.57E+03	-6.5	6.5
ISR 224	M	5	120	5.24E+03	6.03E+03	5.64E+03	-7.0	7.0
ISR 225	M	5	120	6.61E+03	7.20E+03	6.91E+03	-4.3	4.3
ISR 272	F	5	120	2.07E+03	2.29E+03	2.18E+03	-5.0	5.0
ISR 273	F	5	120	2.40E+03	2.73E+03	2.57E+03	-6.4	6.4
ISR 274	F	5	120	3.03E+03	3.52E+03	3.28E+03	-7.5	7.5
ISR 275	F	5	120	7.84E+02	9.14E+02	8.49E+02	-7.7	7.7
ISR 422	M	5	60	2.86E+03	3.04E+03	2.95E+03	-3.1	3.1
ISR 423	M	5	60	3.16E+03	3.27E+03	3.22E+03	-1.7	1.7
ISR 472	F	5	60	3.76E+02	4.49E+02	4.13E+02	-8.8	8.8
ISR 474	F	5	60	2.65E+02	2.84E+02	2.75E+02	-3.5	3.5
ISR 475	F	5	60	3.57E+02	3.91E+02	3.74E+02	-4.5	4.5
ISR 522	M	5	120	6.34E+03	7.39E+03	6.87E+03	-7.6	7.6
ISR 524	M	5	120	4.03E+03	4.39E+03	4.21E+03	-4.3	4.3
ISR 525	M	5	120	5.33E+03	5.84E+03	5.59E+03	-4.6	4.6
ISR 572	F	5	120	3.18E+03	3.37E+03	3.28E+03	-2.9	2.9
ISR 574	F	5	120	2.06E+03	2.26E+03	2.16E+03	-4.6	4.6
ISR 577	F	5	120	2.67E+03	3.01E+03	2.84E+03	-6.0	6.0
ISR 578	F	5	120	2.78E+03	3.31E+03	3.05E+03	-8.7	8.7
ISR 723	M	5	60	2.16E+03	2.50E+03	2.33E+03	-7.3	7.3
ISR 724	M	5	60	2.68E+03	2.99E+03	2.84E+03	-5.5	5.5
ISR 725	M	5	60	3.63E+03	3.95E+03	3.79E+03	-4.2	4.2
ISR 772	F	5	60	1.03E+03	1.09E+03	1.06E+03	-2.8	2.8
ISR 773	F	5	60	1.12E+03	1.32E+03	1.22E+03	-8.2	8.2
ISR 774	F	5	60	1.08E+03	1.14E+03	1.11E+03	-2.7	2.7
ISR 821	M	5	120	6.03E+03	7.21E+03	6.62E+03	-8.9	8.9
ISR 824	M	5	120	3.94E+03	4.80E+03	4.37E+03	-9.8	9.8
ISR 825	M	5	120	3.01E+03	3.51E+03	3.26E+03	-7.7	7.7
ISR 826	M	5	120	3.14E+03	3.62E+03	3.38E+03	-7.1	7.1
ISR 872	F	5	120	2.63E+03	3.02E+03	2.83E+03	-6.9	6.9
ISR 873	F	5	120	2.66E+03	3.28E+03	2.97E+03	-10.4	10.4
ISR 874	F	5	120	1.35E+03	1.56E+03	1.46E+03	-7.2	7.2
ISR 875	F	5	120	3.11E+03	3.37E+03	3.24E+03	-4.0	4.0

V. KINETICS

A. INTRODUCTION

A kinetic analysis was performed using an experimentally-determined T_{\max} of 10:00 AM and the corresponding C_{\max} values for nicotine and cotinine that were achieved in CD-1 mice exposed to various dosed feed formulations of nicotine over a 14-week exposure period.

B. METHODS

Only kinetic relevant experimental design specifications are provided in this section. For further information about the study, refer to the overall report.

The test system used was the male and female CD-1 mouse. For the 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 120 mg/kg/day for nicotine tartrate; 6, 60, or 120 mg/kg/day for tobacco blend; and 6, 60, or 120 mg/kg/day for tobacco extract. The treatment groups are designated as NT, Bx, and Ex where "x" refers to the target exposure level and the letters refer to nicotine tartrate, blend, or extract, respectively.

Blood samples were collected from five mice/sex/group on Weeks 3, 5, 9, and 14 at a target time of 10:00 AM. The 10:00 AM time point was determined from a previous 28-day toxicity study in mice (see Battelle Study No. CN49730D). Most samples were collected with ± 15 minutes of 10:00 AM. On Weeks 3, 5, 9, and 14 there were some samples that were not collected within ± 15 minutes. However, the samples taken outside the ± 15 minutes window 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:

- A relationship between C_{\max} and exposure level for the tobacco blend and tobacco extract groups by 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.
- A comparison of the nicotine and cotinine values for a given treatment group, exposure level, gender, and time period.

1. Week 3

Group mean C_{\max} values determined at 10:00 AM on Week 3 are reported in Table 17 and graphically presented in Figure 7 (tobacco blend) and Figure 8 (tobacco extract).

Limited nicotine concentration data were generated for the male and female B6 and male E6 groups. For the male B6 group, there were only two measurable concentrations available and, for the female B6 group, there were no measurable nicotine concentrations available. For the male E6 group, there

was only one measurable concentration available and for the female E6 group, there were three measurable nicotine concentration available.

The tobacco blend and tobacco extract groups had increasing C_{\max} values with increasing exposure level for nicotine and cotinine, which approximated proportionality from the mid to the high exposure levels. However, the increase in exposure level from low to mid or low to high groups for the tobacco blend and extract groups generally resulted in a higher than proportional increase in C_{\max} . This finding was observed in the nicotine and cotinine results but was most apparent in the cotinine data. For example, the male tobacco blend exposure levels were increased 10- and 20-fold from the low to mid and low to high groups but the nicotine C_{\max} values increased 20- and 31-fold and the cotinine C_{\max} values increased 31- and 56-fold.

Females had lower nicotine concentrations than males by 14.0- and 3.7-fold for the tobacco blends (B60 and B120; no value could be determined for the B6 group) and by 5.0- and 2.5-fold for the tobacco extracts (E60 and E120; no value could be determined for the E6 group). Females had lower cotinine concentrations than males by 5.8-, 4.1-, and 2.7-fold for the tobacco blends (B6, B60, B120, respectively) and by 1.5-, 4.7-, and 2.1-fold for the tobacco extracts (E6, E60, E120, respectively).

The tobacco blend and tobacco extract groups had mean C_{\max} values that were similar (approximately two-fold or less) when comparing the same dose and gender, except for the B6 and E6 groups that could not be compared.

Nicotine C_{\max} values were similar among the male NT120, B120, and E120 groups, i.e., within ± 20 percent, but not the females. The female percentage differences of the tobacco blend (B120) and tobacco extract (E120) group nicotine values relative to the nicotine tartrate (NT120) group value were -76.1 and -66.8 percent, respectively (Figure 15). Cotinine C_{\max} values were similar, i.e., within 20 percent, for the male NT120, B120, and E120 groups but not for the females. The female percentage differences of the tobacco blend (B120) and tobacco extract (E120) group cotinine values relative to the nicotine tartrate (NT120) group value were -54.8 and -44.4 percent, respectively (Figure 16).

Cotinine C_{\max} values were generally between 10- to 25-fold greater than nicotine values for a given treatment group, gender, and exposure level except for the female B60 group that was 49-fold higher.

Table 17 – Week 3 C_{max} Values

Group	Gender	Nicotine C _{max} (ng/mL)	Cotinine C _{max} (ng/mL)
NT120	Male	331 ± 22	4750 ± 390
	Female	313 ± 44	3830 ± 580
B6	Male	8.76	83.6 ± 34.2
	Female	NA	14.5 ± 1.2
B60	Male	179 ± 40	2560 ± 320
	Female	12.8 ± 5.9	622 ± 226
B120	Male	274 ± 67	4640 ± 380
	Female	74.7 ± 19.0	1730 ± 370
E6	Male	NA	57.1 ± 15.1
	Female	2.90 ± 1.44	39.0 ± 6.4
E60	Male	126 ± 12	2920 ± 250
	Female	25.3 ± 18.4	616 ± 208
E120	Male	264 ± 65	4450 ± 530
	Female	104 ± 28	2130 ± 310

2. Week 5

Group mean C_{max} values determined at 10:00 AM on Week 5 are reported in Table 18 and graphically presented in Figure 9 (tobacco blend) and Figure 10 (tobacco extract).

Limited nicotine concentration data were generated for the male and female B6 and E6 groups. For these groups, there were only three or fewer measurable concentrations available.

The tobacco blend and tobacco extract had increasing C_{max} values with increasing exposure level for nicotine and cotinine which approximated proportionality from the mid to high exposure levels, except for the female tobacco blend groups. However, the increase in exposure level from low to mid or low to high groups for the tobacco blend and extract groups generally resulted in a higher than proportional increase in C_{max}. For example, the male tobacco blend exposure levels were increased 10- and 20-fold from the low to mid and low to high groups but the nicotine C_{max} values increased 39- and 58-fold and the cotinine C_{max} values increased 33- and 54-fold.

Females had lower nicotine concentrations than males by 17- and 2.1-fold for the tobacco blends (B60 and B120, respectively) but not for the tobacco extracts (i.e., 1.0-, 1.7-, and 1.7-fold for the E6, E60, E120 groups, respectively). Females had lower cotinine concentrations than males by 3.8-, 7.8-, and 2.1-fold for the tobacco blends (B6, B60, and B120, respectively) but, in general, not for the tobacco extracts (i.e., 1.5-, 2.5-, and 1.8-fold for the E6, E60, and E120 groups, respectively).

The tobacco blend and tobacco extract groups had mean C_{\max} values that were similar when comparing the same dose and gender (approximately 2.5-fold or less), except for the female B60 and E60 groups for nicotine which differed by 5.2-fold and the male B6 and E6 groups for nicotine which differed by 3.7-fold.

Nicotine C_{\max} values were similar among the NT120 and B120 groups for males and females. However, the percentage differences for the male and female tobacco extract (E120) group relative to the NT120 group were -30.2 and -28.1 percent, respectively (Figure 15). Cotinine C_{\max} values were similar for the NT120, B120, and E120 groups for males and females (Figure 16).

Cotinine C_{\max} values were between 12- to 28-fold greater than nicotine values for a given treatment group and exposure level, for all male and female groups.

A comparison of Week 3 to Week 5 values was similar (less than two-fold difference) for a given gender and exposure level except female B120 and E60 nicotine values which were within approximately 3-fold.

Table 18 – Week 5 C_{\max} Values

Group	Gender	Nicotine C_{\max} (ng/mL)	Cotinine C_{\max} (ng/mL)
NT120	Male	394 ± 55	4830 ± 620
	Female	228 ± 65	2720 ± 750
B6	Male	6.70 ± 3.70	99.3 ± 27.4
	Female	NA	26.0 ± 3.9
B60	Male	264 ± 23	3320 ± 210
	Female	15.2 ± 2.5	428 ± 77
B120	Male	389 ± 104	5360 ± 460
	Female	189 ± 26	2550 ± 220
E6	Male	1.82	50.0 ± 7.4
	Female	1.80 ± 0.57	33.0 ± 7.3
E60	Male	136 ± 35	2700 ± 410
	Female	79.3 ± 33.0	1080 ± 210
E120	Male	275 ± 83	4490 ± 710
	Female	164 ± 33	2480 ± 300

3. Week 9

Group mean C_{\max} values determined at 10:00 AM on Week 9 are reported in Table 19 and graphically presented in Figure 11 (tobacco blend) and Figure 12 (tobacco extract).

Limited nicotine concentration data were generated for the male and female B6 and E6 groups. For these groups, there were four or fewer measurable concentrations available.

The tobacco blend and tobacco extract had increasing C_{\max} values with increasing exposure level for nicotine and cotinine which approximated the proportionality from the mid to high exposure levels, except for the male tobacco blend and the female tobacco extract groups which were slightly less

than dose-proportional. However, the increase in exposure from low to mid or low to high groups for the tobacco blend and extract groups generally resulted in a higher than proportional increase in C_{\max} . For example, the male tobacco blend exposure levels were increased 10- and 20-fold from low to mid and low to high exposure levels but the nicotine C_{\max} values increased 27- and 34-fold and the cotinine values increased 18- and 33-fold.

Females had lower nicotine concentrations than males for the low and mid tobacco blend groups (i.e., 4.7- and 3.2-fold) but not for the high tobacco blend group (i.e., 1.3-fold) and tobacco extract groups (i.e., 1.7-, 1.5-, and 2.5-fold for the E6, E60, and E120 groups, respectively). For cotinine, male and female values were generally less than two-fold different (i.e., 2.3-, 1.9-, and 1.7-fold for the tobacco blend groups B6, B60, and B120 and 1.0, 1.5-, and 2.0-fold for the tobacco extract groups E6, E60, and E120, respectively).

The tobacco blend and tobacco extract groups had mean C_{\max} values that were similar when comparing the same dose concentration and gender (approximately two-fold or lower).

Nicotine C_{\max} values were similar for the NT120 and B120 groups for males and females. However, the percentage differences for the male and female tobacco extract (E120) group nicotine values were 28.5 and -27.0 percent, respectively (Figure 15). Cotinine C_{\max} values were similar for the NT120, B120, and E120 groups for males and for the NT120 and E120 groups for females. The percentage difference for the female tobacco blend (B120) group cotinine value was 22.4 percent (Figure 16).

Cotinine C_{\max} values were between 12- to 36-fold greater than nicotine values for a given treatment group and exposure level, for all male and female groups.

A comparison of Week 3 and 5 to Week 9 values were similar (within approximately 2- to 3- fold difference) for a given gender and exposure level. Female B60 nicotine and cotinine values and male E6 nicotine values varied more than 3-fold from Week 5 to 9. Female B60, B120, and E60 nicotine and B6 and E60 cotinine values varied more than 3-fold from Week 3 to 9.

Table 19 – Week 9 C_{max} Values

Group	Gender	Nicotine C _{max} (ng/mL)	Cotinine C _{max} (ng/mL)
NT120	Male	347 ± 58	5300 ± 680
	Female	241 ± 61	2940 ± 560
B6	Male	10.6 ± 3.5	184 ± 42
	Female	2.26 ± 0.40	81.7 ± 13.4
B60	Male	282 ± 38	3350 ± 300
	Female	88.0 ± 18.3	1810 ± 90
B120	Male	361 ± 114	5990 ± 1060
	Female	286 ± 42	3600 ± 430
E6	Male	6.60 ± 1.57	111 ± 18
	Female	3.91 ± 2.04	113 ± 39
E60	Male	235 ± 31	3500 ± 300
	Female	154 ± 30	2310 ± 220
E120	Male	446 ± 129	5470 ± 760
	Female	176 ± 53	2670 ± 550

4. Week 14

Group mean C_{max} values determined at 10:00 AM on Week 14 are reported in Table 20 and graphically presented in Figure 13 (tobacco blend) and Figure 14 (tobacco extract).

Limited nicotine concentration data were generated for the male and female E6 groups. For these groups, there were three or fewer measurable concentrations available.

The tobacco blend and tobacco extract had increasing C_{max} values with increasing exposure level for nicotine and cotinine which approximated the proportionality from the mid to high exposure levels, except for the male tobacco blend groups which had a decrease in nicotine C_{max} values from mid to high exposure levels. However, the increase in exposure from low to mid or low to high groups for the tobacco blend and extract groups generally resulted in a higher than proportional increase in C_{max}. For example, the female tobacco blend exposure levels were increased 10- and 20-fold from low to mid and low to high exposure levels but the nicotine C_{max} values increased 25- and 61-fold and the cotinine values increased 24- and 45-fold.

Females had lower nicotine concentrations than males for the low and mid dose tobacco blend groups (i.e., 2.3- and 3.9) but not for the high dose tobacco blend group (i.e., 1.3-fold). The female tobacco extract groups differed primarily only at the low dose level (i.e., 6.2-, 2.4-, and 2.1-fold for the E6, E60, and E120 groups, respectively). Male and females cotinine concentrations were generally less than two fold different (i.e., 2.1-, 1.9-, and 1.5-fold for the B6, B60, B120 groups and by 1.6-, 1.8-, and 1.5-fold for the E6, E60, and E120 groups, respectively).

The tobacco blend and tobacco extract groups had mean C_{\max} values that were similar when comparing the same dose and gender (approximately two-fold or less).

Nicotine C_{\max} values were similar for the NT120 and B120 groups for males and for the NT120, B120, and E120 groups for females. The percentage difference for the male tobacco extract (E120) group nicotine value was 28.1 percent (Figure 15). Cotinine C_{\max} values were similar for the NT120, B120, and E120 groups for males. The percentage difference for the female tobacco blend (B120) and tobacco extract (E120) groups cotinine values were 53.7 and 40.6 percent, respectively (Figure 16).

Cotinine C_{\max} values were between 8- to 31-fold greater than nicotine values for a given treatment group and exposure level, for all male and female groups.

A comparison of Week 3, 5, and 9 to Week 14 values were similar (within approximately 2- to 3-fold difference) for a given gender and exposure level. Female B60, B120, and E60 nicotine and B6, B60, and E60 cotinine values varied by more than 3-fold from Week 3 to 14. Male E6 and female B60 nicotine and female B6 and B60 cotinine values varied by more than 3-fold from Week 5 to 14.

Table 20 – Week 14 C_{\max} Values

Group	Gender	Nicotine C_{\max} (ng/mL)	Cotinine C_{\max} (ng/mL)
NT120	Male	441 ± 28	6640 ± 590
	Female	243 ± 62	2830 ± 430
B6	Male	11.0 ± 4.8	204 ± 45
	Female	4.75 ± 2.07	95.7 ± 22.1
B60	Male	470 ± 75	4410 ± 260
	Female	120 ± 25	2270 ± 330
B120	Male	382 ± 112	6500 ± 1400
	Female	291 ± 74	4350 ± 690
E6	Male	16.4 ± 10.1	134 ± 35
	Female	2.63	81.7 ± 11.1
E60	Male	360 ± 56	4630 ± 400
	Female	152 ± 47	2530 ± 570
E120	Male	565 ± 167	6150 ± 880
	Female	270 ± 83	3980 ± 650

D. CONCLUSIONS

T_{\max} (i.e., 10:00 AM) was experimentally determined from the previous 28-day toxicity study (Battelle Study No. CN49730D). 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 time period to be evaluated.

Evaluation of C_{\max} values on Weeks 3, 5, 9, and 14 showed a gender effect as both nicotine and cotinine concentrations were consistently lower in females than in males.

Nicotine and cotinine C_{\max} values for male and female mice at the low exposure levels of both formulations (B6 and E6) were generally lower than what would be expected based on the C_{\max} values measured for the mid and high exposure levels. This finding is believed attributed to a first pass effect since the nicotine concentrations were generally low or unmeasurable but the cotinine concentrations were fully measurable. At this low dosed-feed concentration, it is also possible that some interference in absorption occurred. Thus, the combination of first pass metabolism and reduced absorption may explain the less than proportional systemic exposure of nicotine and cotinine.

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 with an increase in dose for both the tobacco extract and tobacco blend, but there was no consistency in whether the increase was proportional or greater than proportional. 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.

Most C_{\max} values were similar on Week 3, 5, 9, and 14 when compared for each dose group and gender suggesting no induction of nicotine or cotinine occurred. There was a slight trend of increased C_{\max} values from Week 3 through Week 14.

The NT120, B120, and E120 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 B120 and E120 groups in females 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 male B120 or E120 groups for nicotine or cotinine.

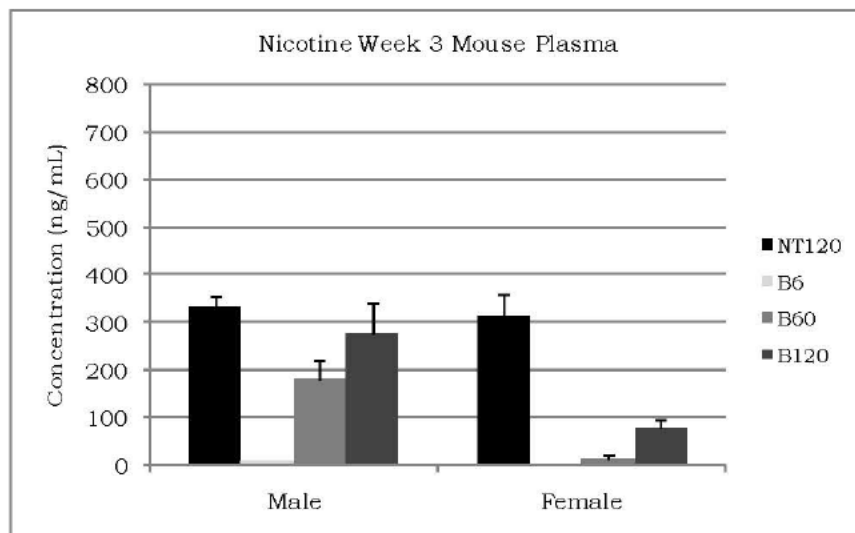
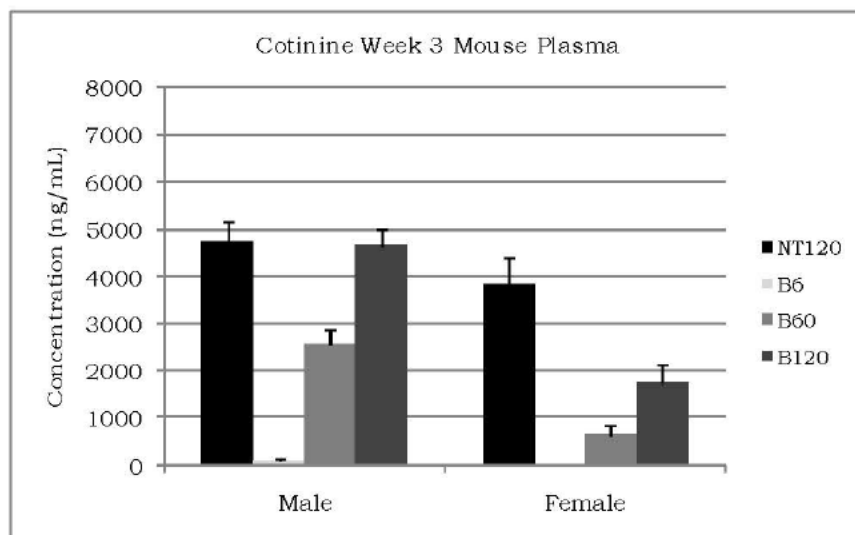
PLATE A**PLATE B**

Figure 7 – C_{max} (Mean + SEM) for Male and Female Mice on Week 3 After Daily Oral Exposure of Nicotine Hydrogen Tartrate or Tobacco Blend – Nicotine (Plate A) and Cotinine (Plate B)

PLATE A

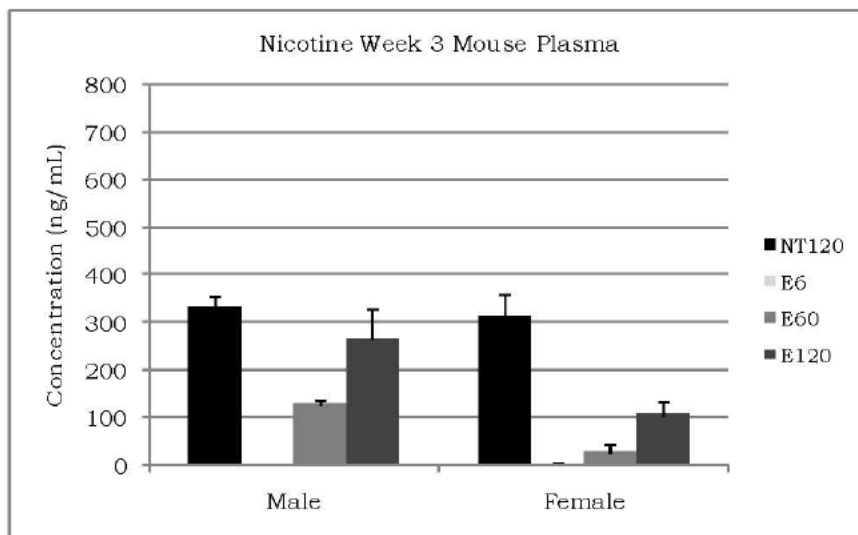


PLATE B

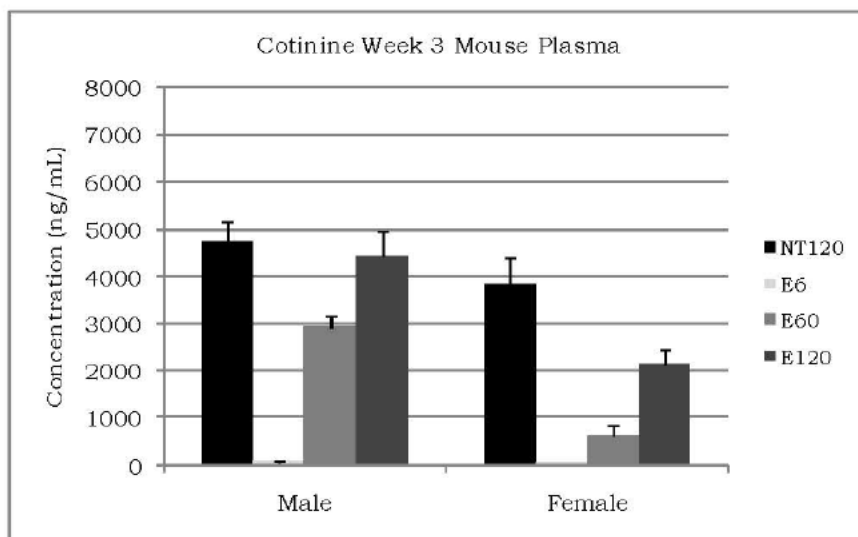


Figure 8 – C_{\max} (Mean + SEM) for Male and Female Mice on Week 3 After Daily Oral Exposure of Nicotine Hydrogen Tartrate or Tobacco Extract – Nicotine (Plate A) and Cotinine (Plate B)

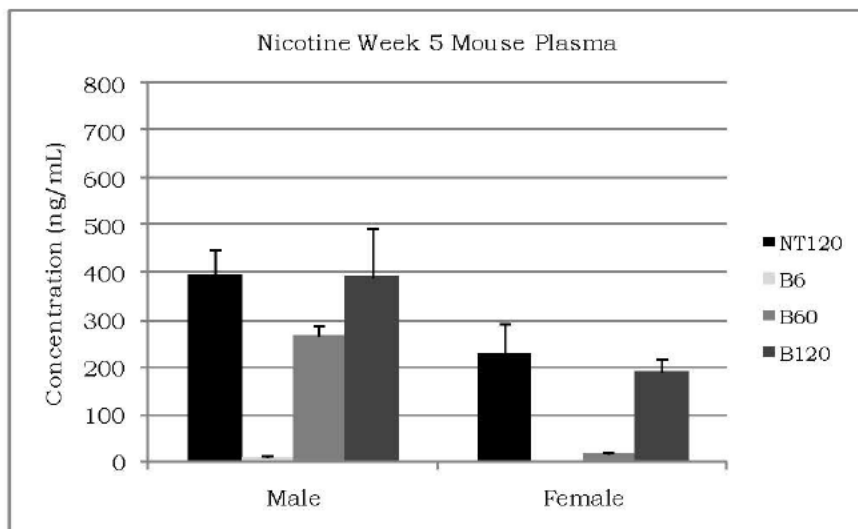
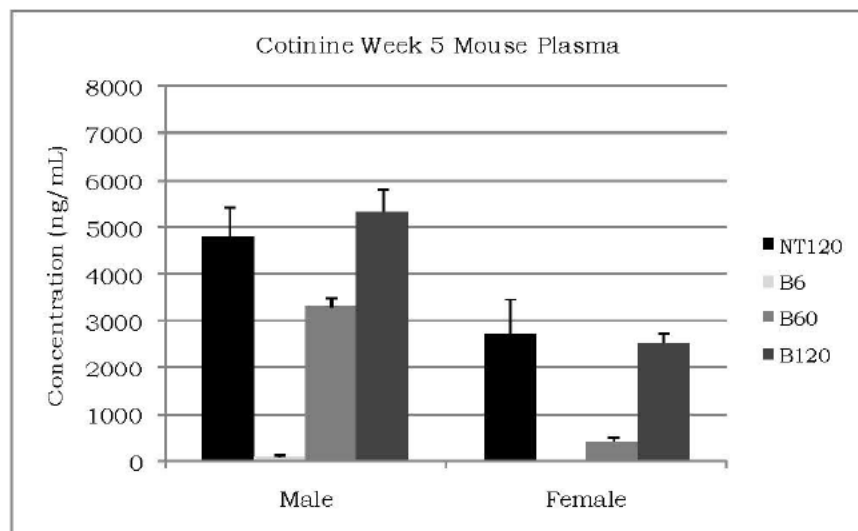
PLATE A**PLATE B**

Figure 9 – C_{max} (Mean + SEM) for Male and Female Mice on Week 5 After Daily Oral Exposure of Nicotine Hydrogen Tartrate or Tobacco Blend – Nicotine (Plate A) and Cotinine (Plate B)

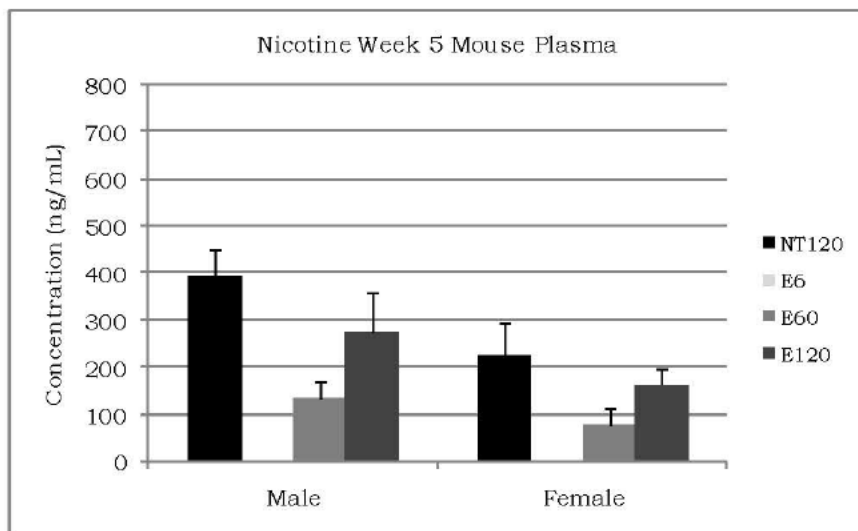
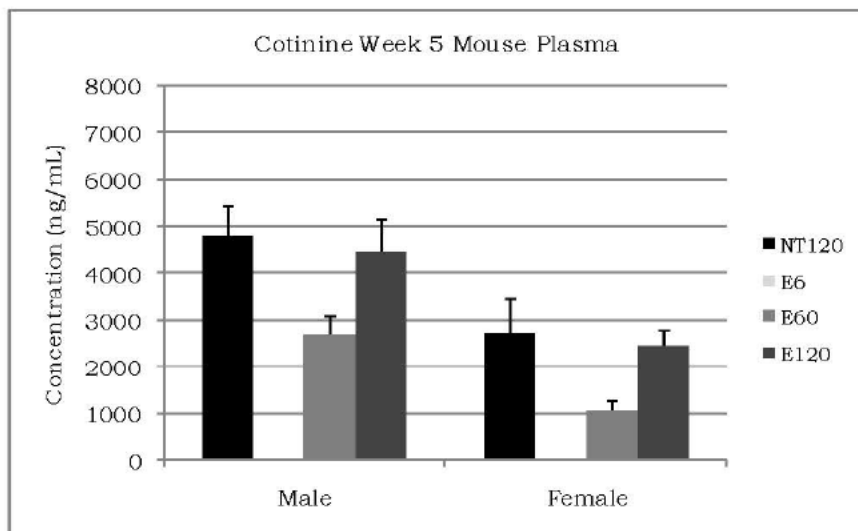
PLATE A**PLATE B**

Figure 10 – C_{max} (Mean + SEM) for Male and Female Mice on Week 5 After Daily Oral Exposure of Nicotine Hydrogen Tartrate or Tobacco Extract – Nicotine (Plate A) and Cotinine (Plate B)

PLATE A

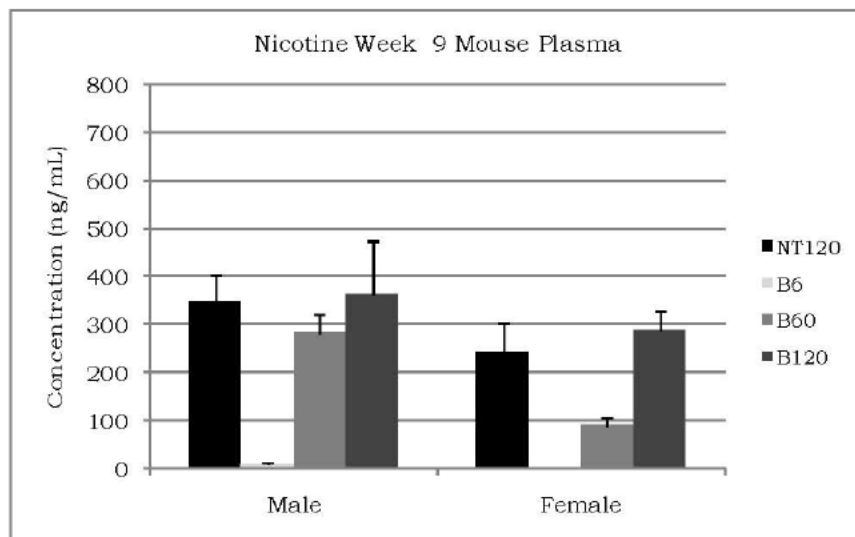


PLATE B

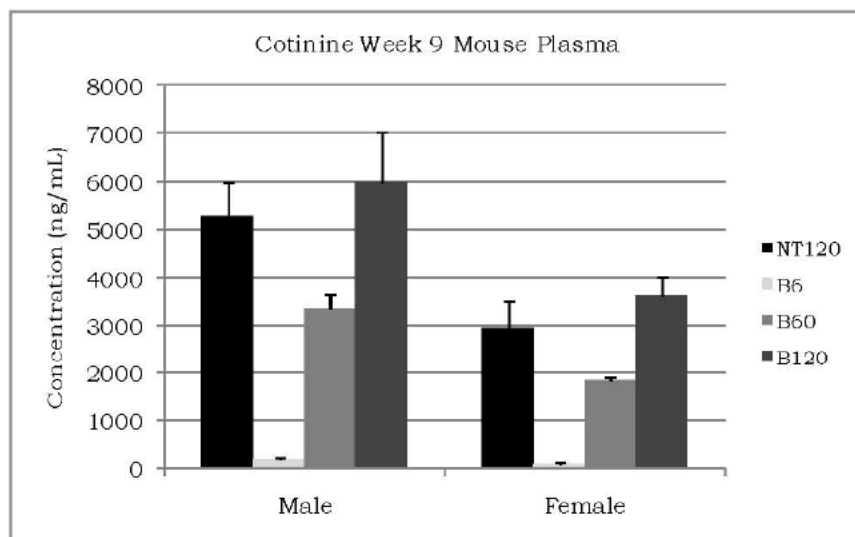


Figure 11 – C_{\max} (Mean + SEM) for Male and Female Mice on Week 9 After Daily Oral Exposure of Nicotine Hydrogen Tartrate or Tobacco Blend – Nicotine (Plate A) and Cotinine (Plate B)

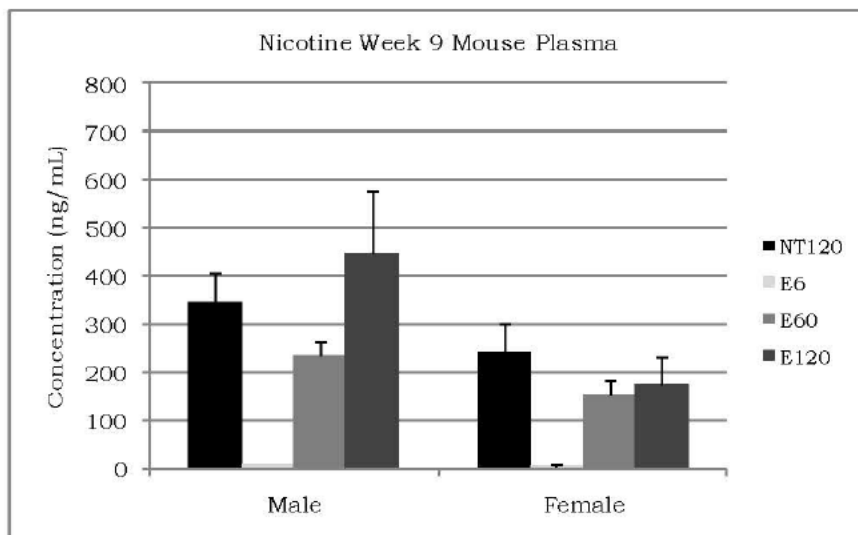
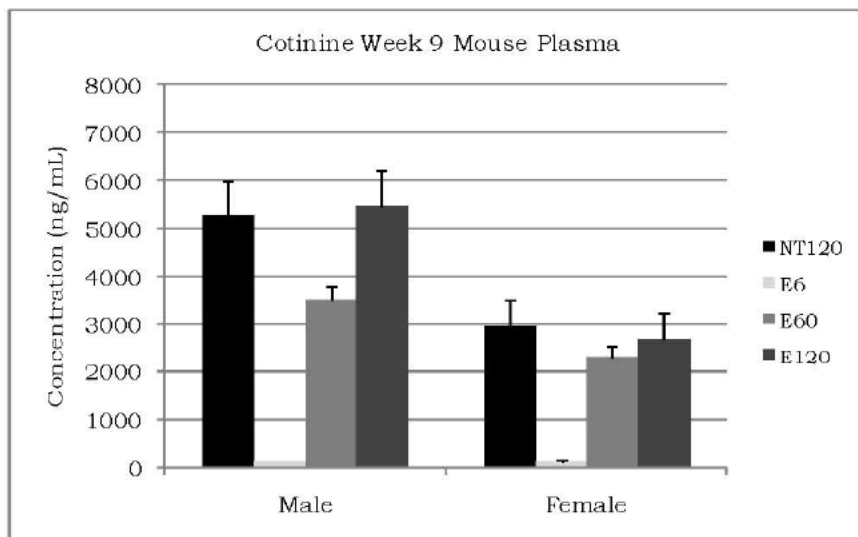
PLATE A**PLATE B**

Figure 12 – C_{\max} (Mean + SEM) for Male and Female Mice on Week 9 After Daily Oral Exposure of Nicotine Hydrogen Tartrate or Tobacco Extract – Nicotine (Plate A) and Cotinine (Plate B)

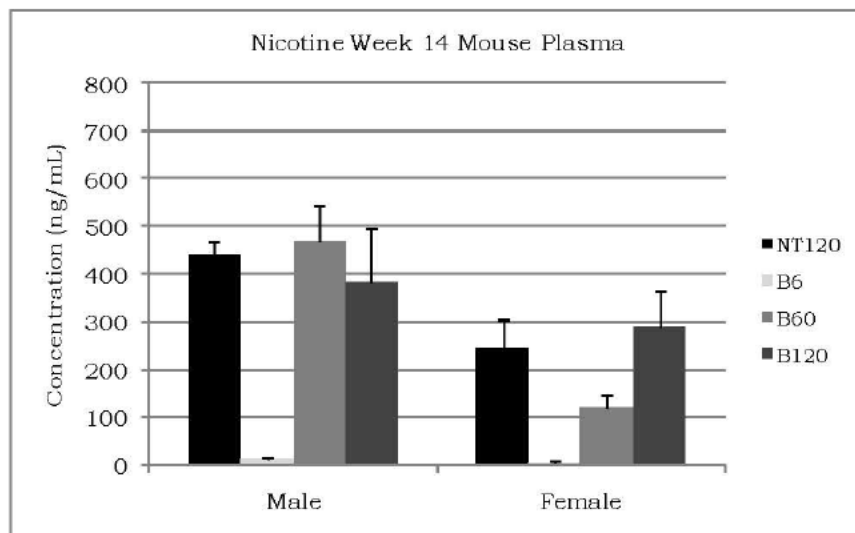
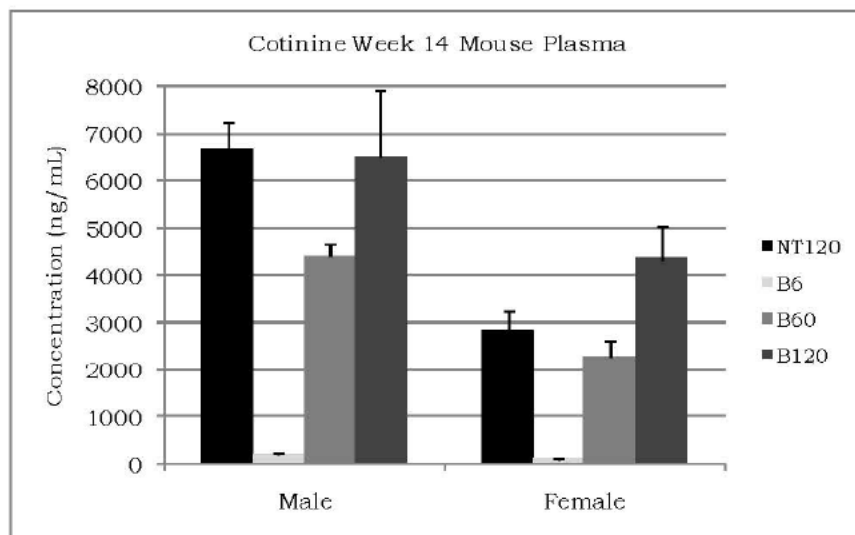
PLATE A**PLATE B**

Figure 13 – C_{max} (Mean + SEM) for Male and Female Mice on Week 14 After Daily Oral Exposure of Nicotine Hydrogen Tartrate or Tobacco Blend – Nicotine (Plate A) and Cotinine (Plate B)

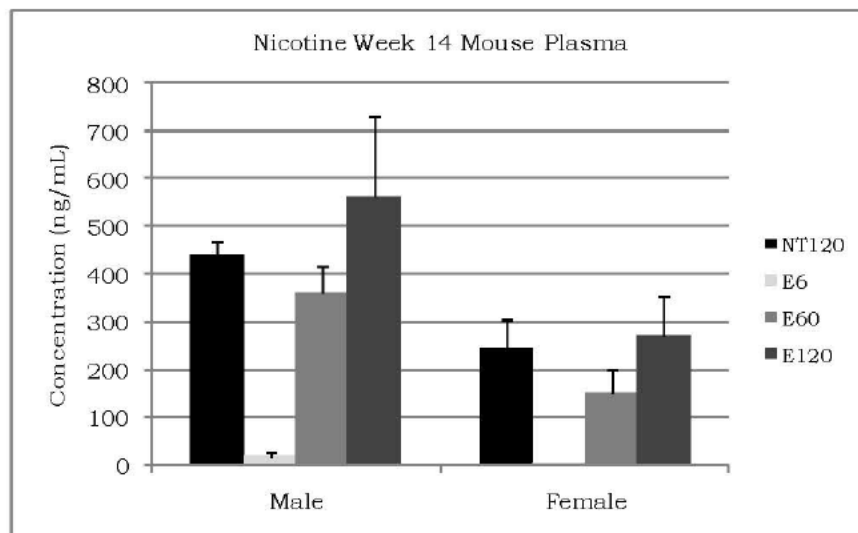
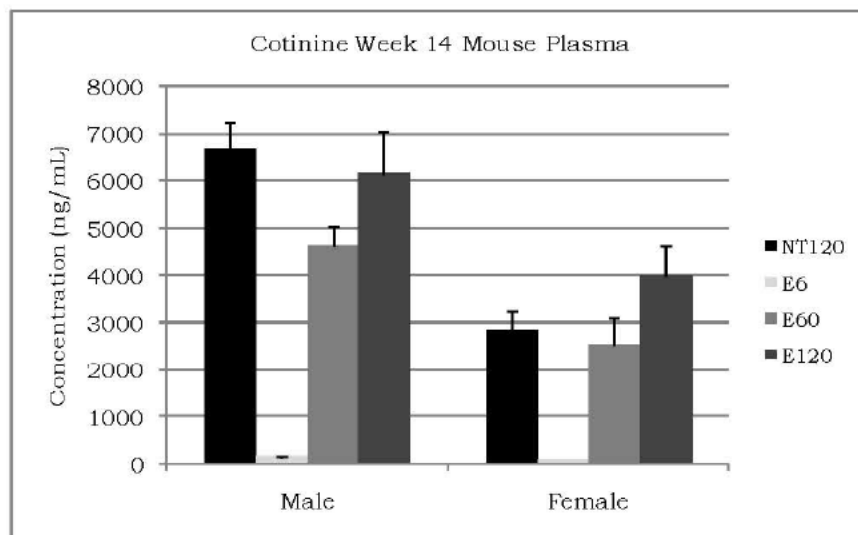
PLATE A**PLATE B**

Figure 14 – C_{max} (Mean + SEM) for Male and Female Mice on Week 14 After Daily Oral Exposure of Nicotine Hydrogen Tartrate or Tobacco Extract – Nicotine (Plate A) and Cotinine (Plate B)

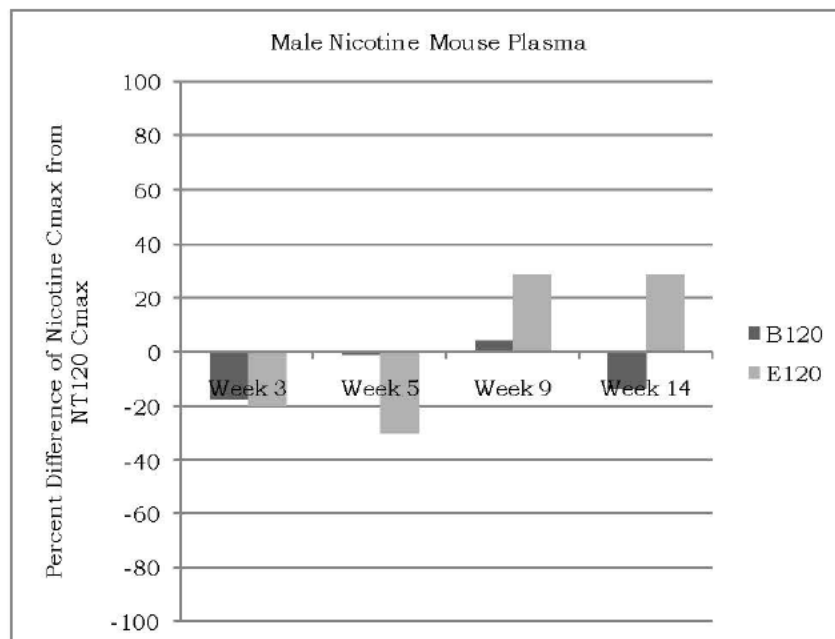
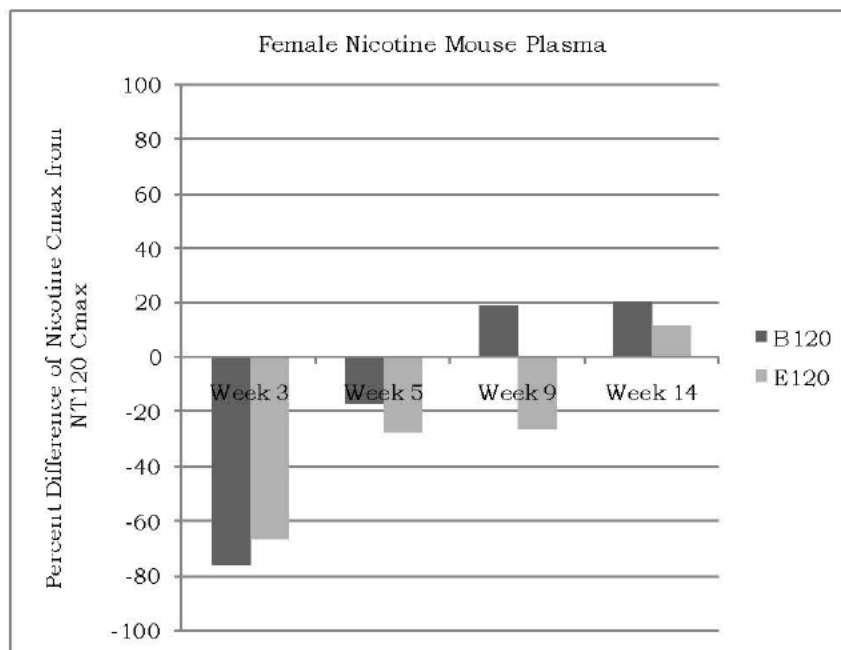
PLATE A**PLATE B**

Figure 15 – Percent Change in Nicotine C_{max} for Mice After Daily Oral Exposure of Tobacco Blend or Tobacco Extract Compared to Nicotine Hydrogen Tartrate – Males (Plate A) and Females (Plate B)

PLATE A

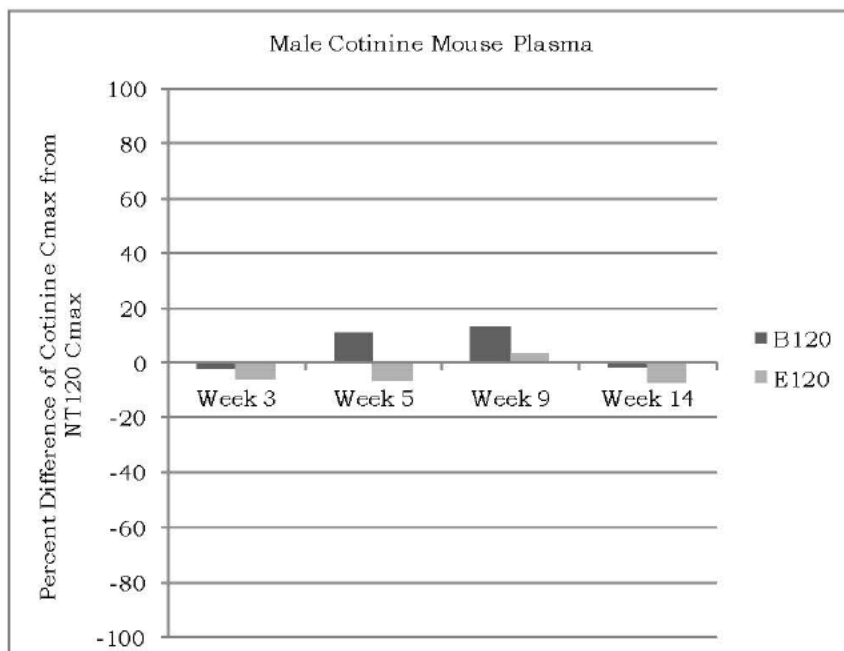


PLATE B

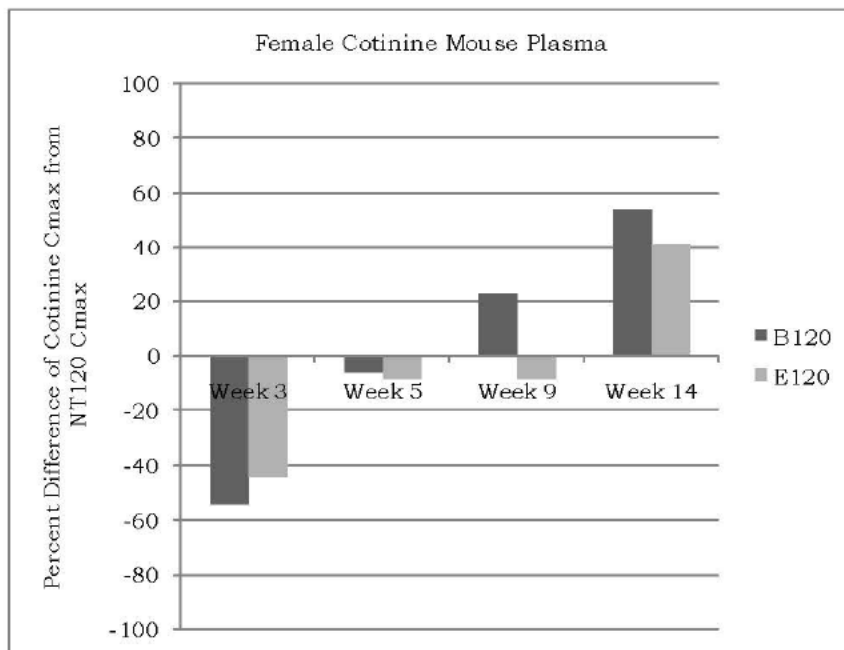


Figure 16– Percent Change in Cotinine C_{max} for Mice After Daily Oral Exposure of Tobacco Blend or Tobacco Extract Compared to Nicotine Hydrogen Tartrate – Males (Plate A) and Females (Plate B)

VI. AMENDMENTS/DEVIATIONS

There were no amendments or deviations for the biological sample analyses portion of this study.

VII. ACKNOWLEDGEMENTS

Dan Burnham, Jim Hoskinson, John Kelly, Melinda Pauff, Jessica Pierfelice, Teresa Poliquin, Natalie South, and Christina Zielinski performed the analytical work. Stephen Summer wrote this report. Drs. Seth T. Gibbs and Jerry D. Johnson provided the kinetic analysis and report section. Joyce Dunham reviewed the data and report for completeness and accuracy.

**APPENDIX A – ANALYSIS
STANDARD OPERATING PROCEDURE (SOP)**

SEP 24 2008

Manual Number: 10
Battelle SOP Number: COMSPEC.V-041-00
Page 1 of 15
Study Number: _____
Date: _____
Initials: _____

STANDARD OPERATING PROCEDURE (SOP) FOR THE ANALYSIS OF
NICOTINE AND COTININE IN MOUSE PLASMA BY LC-MS

Originated by: Steph J. Summers Date: 9/24/08

Approved by: Brie Buck Date: 9/24/08
Technical Reviewer

Approved by: Phil Gephart Date: 9/24/08
Toxicologist

Approved by: Steve Shaw Date: 9/24/08
Management

Reviewed and Registered by QAU:

Carrie Jones Date: 9/24/08

Battelle
505 King Avenue
Columbus, Ohio 43201

Manual Number: 10

Battelle SOP Number: COMSPEC.V-041-00

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 mouse 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 mouse 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

Manual Number: 10
Battelle SOP Number: COMSPEC.V-041-00
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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: 1 0

Battelle SOP Number: COMSPEC.V-041-00

Page 4 of 15

Study Number: _____

Date: _____

Initials: _____

C. MATERIALS

(b) (4)



Manual Number: 10

Battelle SOP Number: COMSPEC.V-041-00

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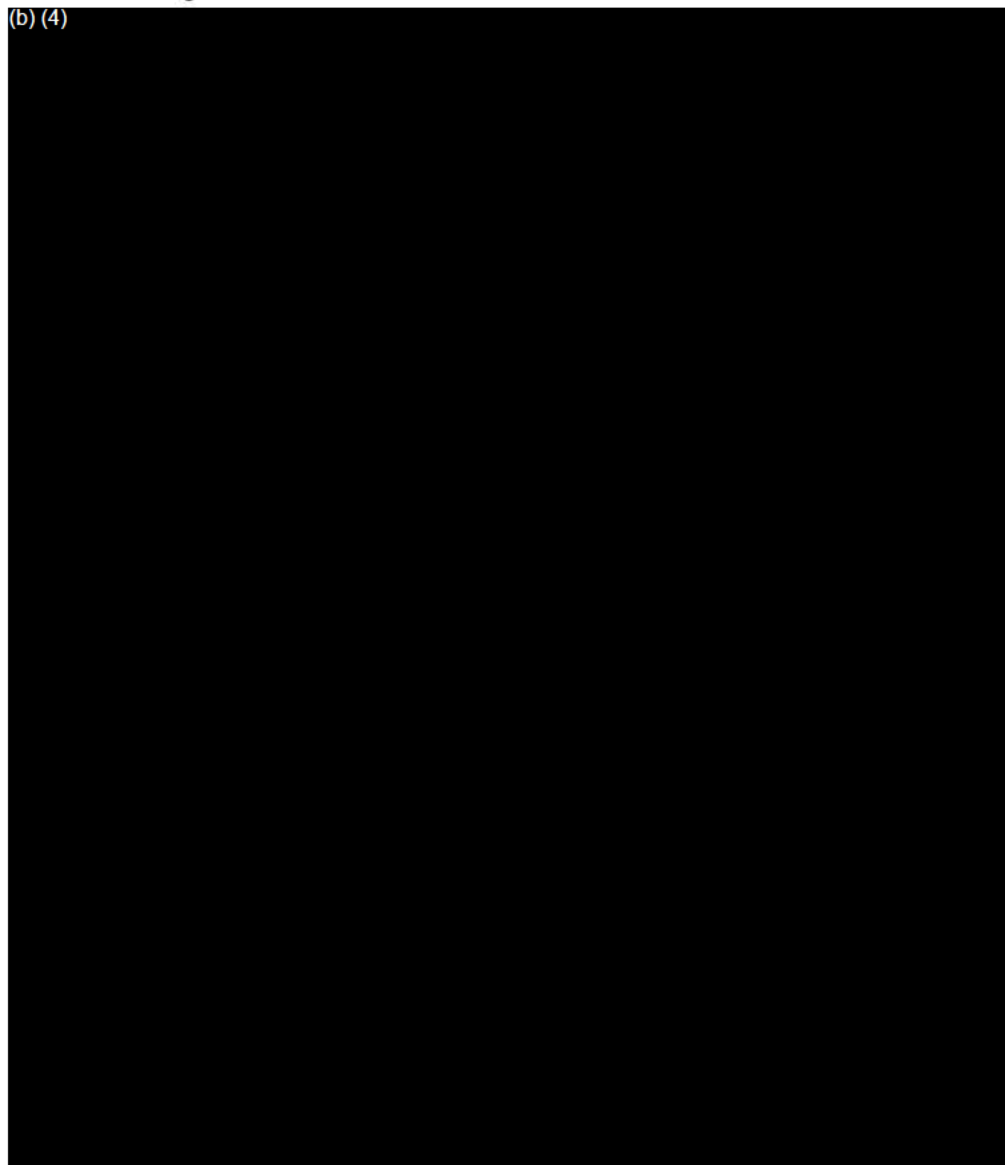
Study Number: _____

Date: _____

Initials: _____

D. EQUIPMENT

(b) (4)



Manual Number: 10

Battelle SOP Number: COMSPEC.V-041-00

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Study Number: _____

Date: _____

Initials: _____

E. PREPARATION OF SOLUTIONS(b) (4)
**F. PREPARATION OF STANDARD SOLUTIONS**(b) (4)


Manual Number: 10

Battelle SOP Number: COMSPEC.V-041-00

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Study Number: _____

Date: _____

Initials: _____

(b) (4)


Manual Number: 10
Battelle SOP Number: COMSPEC.V-041-00
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-041-00

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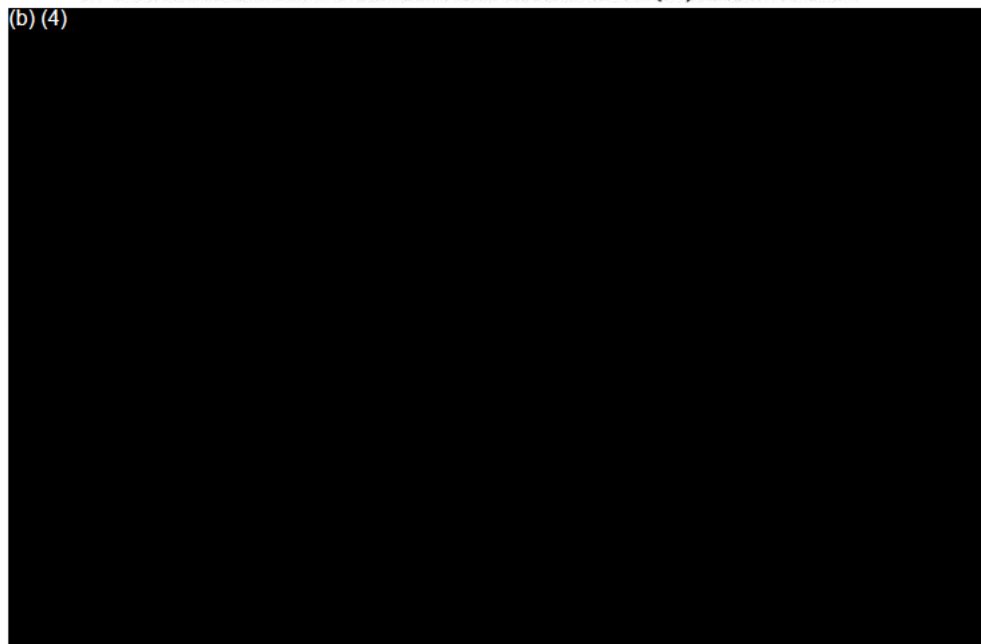
Study Number: _____

Date: _____

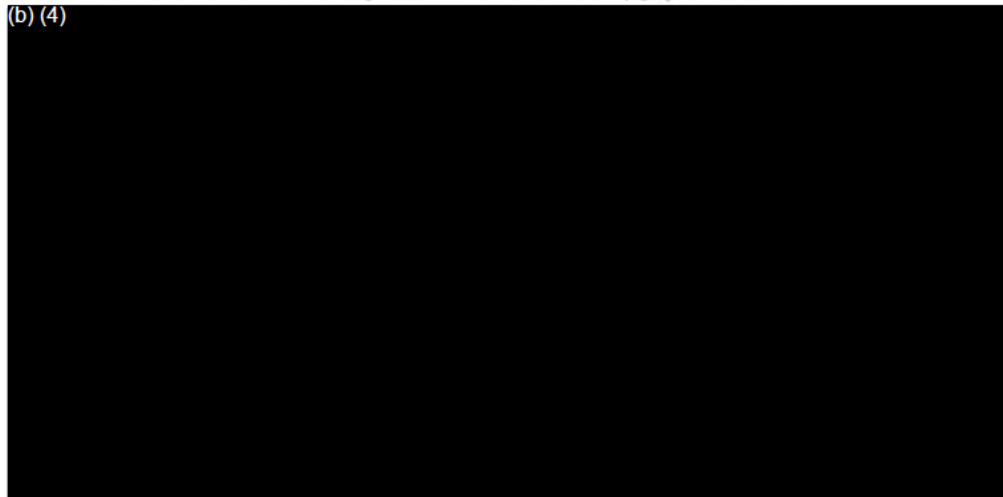
Initials: _____

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-041-00
Page 10 of 15
Study Number: _____
Date: _____
Initials: _____

(b) (4)



**K. PREPARATION OF PLASMA STANDARDS, BLANKS, QCS, AND
SAMPLES**

(b) (4)



Manual Number: 10

Battelle SOP Number: COMSPEC.V-041-00

Page 11 of 15

Study Number: _____

Date: _____

Initials: _____

(b) (4)


Manual Number: 10
Battelle SOP Number: COMSPEC.V-041-00
Page 12 of 15
Study Number: _____
Date: _____
Initials: _____

L. ANALYSIS OF STANDARDS, BLANKS, SAMPLES, AND QCS

(b) (4)



Manual Number: 10

Battelle SOP Number: COMSPEC.V-041-00

Page 13 of 15

Study Number: _____

Date: _____

Initials: _____

VI. CALCULATIONS

(b) (4)



Manual Number: 10

Battelle SOP Number: COMSPEC.V-041-00

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

(b) (4)

Manual Number: 0
Battelle SOP Number: COMSPEC.V-041-00
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: 17680-2008

RECEIVED ON: 8/28/2008

COMPLETED ON: 8/29/2008

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: mouse

DESCRIPTION: serum samples, diluted

NUMBER OF SPECIMENS: 10

FACILITY CODE: COM

PURCHASE ORDER #: V103399000698

ID	Client ID	Investigator	Room #	Sex
1	CN49730F-1	M. Hejtmancik	7C-068	M
2	CN49730F-2	M. Hejtmancik	7C-068	M
3	CN49730F-3	M. Hejtmancik	7C-068	M
4	CN49730F-4	M. Hejtmancik	7C-068	M
5	CN49730F-5	M. Hejtmancik	7C-068	M
6	CN49730F-6	M. Hejtmancik	7C-068	F
7	CN49730F-7	M. Hejtmancik	7C-068	F
8	CN49730F-8	M. Hejtmancik	7C-068	F
9	CN49730F-9	M. Hejtmancik	7C-068	F
10	CN49730F-10	M. Hejtmancik	7C-068	F

TESTS PERFORMED: Basic Serology Profile - mouse

Serologic evaluation for antibodies to: Ectromelia, EDIM, TMEV GDVII, LCM, MHV, MVM, MNV, M. pulmonis, MPV, Parvo NS-1, PVM, REO3, Sendai

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 TSP 11/6/08
QC Review: BJB 11/11/08
CN49730F

Case Number: 17680-2008

Page 2

SEROLOGY:

		1	2	3	4	5	6	7	8	9	10
Ectromelia	MFI (> 1,200)	-	-	-	-	-	-	-	-	-	-
EDIM	MFI (> 5,570)	-	-	-	-	-	-	-	-	-	-
LCM	MFI (> 555)	-	-	-	-	-	-	-	-	-	-
<i>M. pulmonis</i>	MFI (> 2,800)	-	-	-	-	-	-	-	-	-	-
MHV	MFI (> 1,605)	-	-	-	-	-	-	-	-	-	-
MNV	MFI (> 2,450)	-	-	-	-	-	-	-	-	-	-
Parvo NS-1	MFI (> 3,995)	-	-	-	-	-	-	-	-	-	-
MPV	MFI (> 1,000)	-	-	-	-	-	-	-	-	-	-
MVM	MFI (> 960)	-	-	-	-	-	-	-	-	-	-
PVM	MFI (> 995)	-	-	-	-	-	-	-	-	-	-
REO3	MFI (> 3,520)	-	-	-	-	-	-	-	-	-	-
TMEV GDVII	MFI (> 1,380)	-	-	-	-	-	-	-	-	-	-
Sendai	MFI (> 2,265)	-	-	-	-	-	-	-	-	-	-

NOTE: Serum IgG concentrations were determined for all samples. Unless otherwise stated in the summary, these values were within the normal range.

(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.



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: 17680-2008

RECEIVED ON: 8/28/2008

COMPLETED ON: 8/29/2008

ADDENDUM DATED: 9/10/2008

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 (> 4,200)	-	-	-	-	-	-	-	-	-	-
<i>E. cuniculi</i>	MFI (> 1,200)	-	-	-	-	-	-	-	-	-	-
Hantaan	MFI (> 750)	-	-	-	-	-	-	-	-	-	-
K virus	MFI (> 1,450)	-	-	-	-	-	-	-	-	-	-
MAD 1	MFI (> 2,500)	-	-	-	-	-	-	-	-	-	-
MAD 2	MFI (> 4,500)	-	-	-	-	-	-	-	-	-	-
MCMV	MFI (> 645)	-	-	-	-	-	-	-	-	-	-
MTV	IFA	-	-	-	-	-	-	-	-	-	-
Polyoma	MFI (> 1,635)	-	-	-	-	-	-	-	-	-	-

NOTE: Serum IgG concentrations were determined for all samples. Unless otherwise stated in the summary, these values were within the normal range.

(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.



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: 23647-2008

RECEIVED ON: 12/18/2008

COMPLETED ON: 12/22/2008

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: mouse

DESCRIPTION: serum samples, diluted

NUMBER OF SPECIMENS: 10

FACILITY CODE: COM

PURCHASE ORDER #: V103399000766

<u>ID</u>	<u>Client ID</u>	<u>Investigator</u>	<u>Room #</u>	<u>Sex</u>
1	CN49730F-901	D Fallacara	7C-068	M
2	CN49730F-902	D Fallacara	7C-068	M
3	CN49730F-903	D Fallacara	7C-068	M
4	CN49730F-904	D Fallacara	7C-068	M
5	CN49730F-905	D Fallacara	7C-068	M
6	CN49730F-951	D Fallacara	7C-068	F
7	CN49730F-952	D Fallacara	7C-068	F
8	CN49730F-953	D Fallacara	7C-068	F
9	CN49730F-954	D Fallacara	7C-068	F
10	CN49730F-955	D Fallacara	7C-068	F

TESTS PERFORMED: Battelle Special Mouse Serology

Serologic evaluation for antibodies to: CAR bacillus, Ectromelia, *E. cuniculi*, EDIM, TMEV GDVII, Hantaan, K virus, LCM, MAD 1, MAD 2, MCMV, MHV, MVM, MNV, *M. pulmonis*, MPV, MTV, Parvo NS-1, Polyoma, PVM, REO3, Sendai

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
TRP 1/6/09
QC: BKB 1-20-09

CN49730F

Case Number: 23647-2008
Page 2

SEROLOGY:

		1	2	3	4	5	6	7	8	9	10
CAR bacillus	MFI (> 4,200)	-	-	-	-	-	-	-	-	-	-
<i>E. cuniculi</i>	MFI (> 1,200)	-	-	-	-	-	-	-	-	-	-
Ectromelia	MFI (> 1,200)	-	-	-	-	-	-	-	-	-	-
EDIM	MFI (> 5,570)	-	-	-	-	-	-	-	-	-	-
Hantaan	MFI (> 750)	-	-	-	-	-	-	-	-	-	-
K virus	MFI (> 1,450)	-	-	-	-	-	-	-	-	-	-
LCM	MFI (> 555)	-	-	-	-	-	-	-	-	-	-
<i>M. pulmonis</i>	MFI (> 2,800)	-	-	-	-	-	-	-	-	-	-
MAD 1	MFI (> 2,500)	-	-	-	-	-	-	-	-	-	-
MAD 2	MFI (> 4,500)	-	-	-	-	-	-	-	-	-	-
MCMV	MFI (> 645)	-	-	-	-	-	-	-	-	-	-
MHV	MFI (> 1,605)	-	-	-	-	-	-	-	-	-	-
MNV	MFI (> 2,450)	-	-	-	-	-	-	-	-	-	-
MTV	IFA	-	-	-	-	-	-	-	-	-	-
Parvo NS-1	MFI (> 3,995)	-	-	-	-	-	-	-	-	-	-
MPV	MFI (> 1,600)	-	-	-	-	-	-	-	-	-	-
MVM	MFI (> 1,450)	-	-	-	-	-	-	-	-	-	-
Polyoma	MFI (> 1,635)	-	-	-	-	-	-	-	-	-	-
PVM	MFI (> 995)	-	-	-	-	-	-	-	-	-	-
REO3	MFI (> 3,520)	-	-	-	-	-	-	-	-	-	-
TMEV GDVII	MFI (> 1,500)	-	-	-	-	-	-	-	-	-	-
Sendai	MFI (> 2,265)	-	-	-	-	-	-	-	-	-	-

NOTE: Serum IgG concentrations were determined for all samples. Unless otherwise stated in the summary, these values were within the normal range.

(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)

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