

Toxicological evaluation of smokeless tobacco: 90-day feeding studies

ug n H Th oph us J hnn eR Hay s Ryan J P t s Pau H Ay s C a d a D W ams Cha es D Ga ne
R e s e a r c h e r s a t R e s e a r c h T r a i n i n g C e n t e r f o r T o b a c c o C o m p a n y 50 R e n o d s B l u e W a s h i n g t o n S a m NC 27 05 USA

Introduction

- RJRT nt od ced smo e ss oba co p duc s n he US ma k t and c nduc ed ode ttox o gysud s n uppo t of uch p odu ts
- Th s po te p se ts 90 day tu y e u s n m ce and a s
- Goa d f ne t e sub h on c ox co og ca ef ec s of a m ke ess oba co b nd and ts queo s ext ct adm n se d o o en s nd et

Materials and methods

Te t a r t c s c n t o s and d e s

- Smoke ss t bac o b nd (B) nd aqu ous ex act o th t b end (E)
- Aqu ous e t act 1 8) ext a t d t 100°F (37 8°C) fo 1 h → e apo a ed at 37 8°C → 8% so ds
- T st a t c es s ab e (b sed on n co ne)
- Neg t ve Cont o (C) d et Pos t ve Co t o N co ne Ta t a e NT)
- B and E o mu a ed mon h y n o d e s us ng NTP 2000 eed
- D ts s ab e and h m gen ous (as d n n ot ne)

Exp r me ta es gn

<i>R</i>													
								D					
				K			K						
								B	B				
								B	B				
								B	B				

				K			K						
								B	B				
								B	B				
								B	B				

An ma s

- W sta Han ts a d CD 1 m ce 5-7 we ks o d Cha s R ve L bo ato es Ra e gh NC)
- An ma s a dom ed us ng PATH TOX 4 2 2 Xyb on Med a S s ems Co po a on Ce a Kno s NJ)
- R sea ch c ndu ted n AAALAC acc ed ed f c ty
- An ma s ma ta ned cco d ng to he Gu e o he Ca e and Use of L bo ato y An ma s
- F ed and f e h m n c pa wa e *ad b um*

En po ts

- Mo b nd ty mo a y che ks x ay
- C n a ob e vat o s b fo e exp su e we k y on tu y n c psy
- B dy we g ts be o e a oc t on we k y n t dy ec opsy
- F ed co sumpt n week y
- Op tha m c exams be o e xpo u e s udy end
- TK wee s 2 4 8 3 (t) 3 5 9 14 (m e)
- C n a ch m s y h m to gy co gu at on u na ys s
- e m na ody we lts g oss at o gy h top t o gy (co e t su styp a of 0-d yst d s)
- A so ute o g n we g ts o an body a d o g n b a n we ght at os

S at t cs

- ANOVA hen Ba t e t s t s t o va nce om gene y
- Homo ene us da a Du ne t s t s t
- No -h m gen ous da a C ch an and Cox s mod f ed t est
- S gn f c nce 5% 2-s ed c e a
- C vs NT B E NT vs h h ose B E co e pond ng B vs E d se g ou s

Results

Body we gh s

<i>R</i>	<i>R</i>	<i>R</i>			
B			B		
B			B		
B			B		
			B	B	