

Experiment Number: 20614 - 02

Test Type: CHRONIC

Route: DOSED FEED

Species/Strain: RATS/HSD

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 06/29/2018

Time Report Requested: 16:50:26

First Dose M/F: 07/27/09 / NA

Lab: BAT

MALE RATS

FIRST TERMINAL SACRIFICE AT 743 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 300/0 ppm

TOTAL 50 [25]	UNCENSORED DEATHS 15	CENSORED DEATHS 0	TERMINAL 35
UNCENSORED DEATH DAYS			
247 351 366 478 484 568 583 617 617 660 673 739 739 739			
742			
CENSORED DEATH DAYS			
None			

DOSE = 300/20 ppm

TOTAL 50 [25]	UNCENSORED DEATHS 12	CENSORED DEATHS 0	TERMINAL 38
UNCENSORED DEATH DAYS			
238 241 465 478 485 599 683 693 711 734 739 739			
CENSORED DEATH DAYS			
None			

DOSE = 300/40 ppm

TOTAL 50 [25]	UNCENSORED DEATHS 12	CENSORED DEATHS 0	TERMINAL 38
UNCENSORED DEATH DAYS			
116 260 561 624 645 648 683 701 708 715 722 739			
CENSORED DEATH DAYS			
None			

DOSE = 300/80 ppm

TOTAL 50 [26]	UNCENSORED DEATHS 11	CENSORED DEATHS 0	TERMINAL 39
UNCENSORED DEATH DAYS			
134 298 505 527 550 617 629 670 689 715 739			
CENSORED DEATH DAYS			
None			

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KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	743(A)
300/0 ppm	100.0	100.0	98.0	96.0	94.0	90.0	90.0	86.0	80.0	70.0
300/20 ppm	100.0	100.0	96.0	96.0	96.0	90.0	90.0	88.0	88.0	76.0
300/40 ppm	100.0	98.0	96.0	96.0	96.0	96.0	96.0	94.0	88.0	76.0
300/80 ppm	100.0	98.0	98.0	96.0	96.0	96.0	92.0	90.0	86.0	78.0

(A) FIRST TERMINAL SACRIFICE

(B) THE FIRST ENTRY IS THE TREND TEST RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS. NEGATIVE TRENDS ARE INDICATED BY "N". TREND AND PAIRWISE TESTS USE A PROPORTIONAL HAZARDS MODEL WITH DAMID AS A RANDOM EFFECT.

(C) MEAN OF LITTER MEANS OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF LITTER MEANS OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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SURVIVAL SUMMARY STATISTICS

DOSE	300/0 ppm	300/20 ppm	300/40 ppm	300/80 ppm
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	70.0%	76.0%	76.0%	78.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.429N	P=0.507N	P=0.486N	P=0.387N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	575.5 (38.6)	565.1 (56.9)	590.1 (61.8)	544.6 (59.9)
MEAN LIFE SPAN (D) (STANDARD ERROR)	692.2 (14.7)	700.8 (15.8)	707.1 (15.6)	699.9 (16.5)

*** END OF REPORT ***

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