

Experiment Number: 20614 - 01

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: 16:36:05

First Dose M/F: 10/27/08 / 10/28/08

Lab: BAT

FEMALE RATS

FIRST TERMINAL SACRIFICE AT 744 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0/300 ppm

TOTAL 50 [29]

UNCENSORED DEATHS 22

CENSORED DEATHS 0

TERMINAL 28

UNCENSORED DEATH DAYS

250	470	470	484	533	574	574	589	638	643	659	676	687	690
695	695	695	695	707	718	737	739						

CENSORED DEATH DAYS

None

DOSE = 150/300 ppm

TOTAL 50 [29]

UNCENSORED DEATHS 18

CENSORED DEATHS 0

TERMINAL 32

UNCENSORED DEATH DAYS

295	322	349	351	368	533	533	564	589	622	634	638	695	714
718	718	739	742										

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	744(A)
0/300 ppm	100.0	100.0	98.0	98.0	98.0	92.0	90.0	84.0	78.0	56.0
150/300 ppm	100.0	100.0	100.0	92.0	90.0	90.0	86.0	82.0	76.0	64.0

(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	0/300 ppm	150/300 ppm
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	56.0%	64.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.688N	P=0.688N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	624.8 (31.4)	574.0 (38.9)
MEAN LIFE SPAN (D) (STANDARD ERROR)	695.3 (13.8)	681.1 (18.3)

*** END OF REPORT ***

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