

Experiment Number: 91070 - 01

Test Type: 28-DAY

Route: GAVAGE

Species/Strain: RATS/HSD

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Perfluorooctanoic Acid

CAS Number: 335-67-1

Date Report Requested: 02/06/2018

Time Report Requested: 12:35:28

First Dose M/F: 01/31/12 / 02/01/12

Lab: BAT

PFOA_Final 1

NTP Study Number: C91070B
Lock Date: 04/25/2016
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: NONE

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MALE RATS

FIRST TERMINAL SACRIFICE AT 29 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 mg/kg/d M

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

DOSE = 0.625 mg/kg/d M

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

DOSE = 1.25 mg/kg/d M

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

DOSE = 2.5 mg/kg/d M

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

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MALE RATS

FIRST TERMINAL SACRIFICE AT 29 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 5 mg/kg/d M

TOTAL 10

UNCENSORED DEATHS 0

CENSORED DEATHS 0

TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

DOSE = 10 mg/kg/d M

TOTAL 10

UNCENSORED DEATHS 0

CENSORED DEATHS 0

TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

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MALE RATS

FIRST TERMINAL SACRIFICE AT 29 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	3	6	9	12	15	18	21	24	27	29(A)
0 mg/kg/d M	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.625 mg/kg/d M	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1.25 mg/kg/d M	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2.5 mg/kg/d M	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5 mg/kg/d M	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10 mg/kg/d M	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

(A) FIRST TERMINAL SACRIFICE

(B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

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

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

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Lab: BAT

MALE RATS

FIRST TERMINAL SACRIFICE AT 29 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 mg/kg/d M	0.625 mg/kg/d M	1.25 mg/kg/d M	2.5 mg/kg/d M
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	----	----	----	----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	29.0 (0.0)	29.0 (0.0)	29.0 (0.0)	29.0 (0.0)

DOSE	5 mg/kg/d M	10 mg/kg/d M
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	----	----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	29.0 (0.0)	29.0 (0.0)

(A) FIRST TERMINAL SACRIFICE

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

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Lab: BAT

FEMALE RATS

FIRST TERMINAL SACRIFICE AT 29 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 mg/kg/d F

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

DOSE = 6.25mg/kg/d F

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

DOSE = 12.5mg/kg/d F

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

DOSE = 25 mg/kg/d F

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

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Lab: BAT

FEMALE RATS

FIRST TERMINAL SACRIFICE AT 29 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 50 mg/kg/d F

TOTAL 10

UNCENSORED DEATHS 0

CENSORED DEATHS 0

TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

DOSE = 100 mg/kg/d F

TOTAL 10

UNCENSORED DEATHS 1

CENSORED DEATHS 0

TERMINAL 9

UNCENSORED DEATH DAYS

8

CENSORED DEATH DAYS

None

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Lab: BAT

FEMALE RATS

FIRST TERMINAL SACRIFICE AT 29 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	3	6	9	12	15	18	21	24	27	29(A)
0 mg/kg/d F	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6.25mg/kg/d F	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12.5mg/kg/d F	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 mg/kg/d F	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
50 mg/kg/d F	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100 mg/kg/d F	100.0	100.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0

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

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

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FEMALE RATS

FIRST TERMINAL SACRIFICE AT 29 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 mg/kg/d F	6.25mg/kg/d F	12.5mg/kg/d F	25 mg/kg/d F
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.213	-----	-----	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	29.0 (0.0)	29.0 (0.0)	29.0 (0.0)	29.0 (0.0)

DOSE	50 mg/kg/d F	100 mg/kg/d F
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	90.0%
SIGNIFICANCE (B) (LIFE TABLE)	-----	P=1.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	(.)	8.0 (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	29.0 (0.0)	26.9 (2.1)

*** END OF REPORT ***

(A) FIRST TERMINAL SACRIFICE

(B) THE FIRST ENTRY IS THE TREND TEST (TARONE, 1975) RESULT. SUBSEQUENT ENTRIES ARE THE RESULTS OF PAIRWISE TESTS (COX, 1972). NEGATIVE TRENDS ARE INDICATED BY "N".

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

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