

Experiment Number: 05136-10
Test Type: 26-WEEK
Species/Strain: Mouse/TG.AC HEMI

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Chloroprene
CAS Number: 126-99-8

Date Report Requested: 10/23/2014
Time Report Requested: 14:19:45
First Dose M/F: NA / NA
Lab: NIEHS

C Number: C50522D
Lock Date: 09/08/1997
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Female
PWG Approval Date: NONE

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**Female MOUSE
 FIRST TERMINAL SACRIFICE AT 184 DAYS
 INDIVIDUAL SURVIVAL TIMES (DAYS)**

DOSE = CONTROL						
TOTAL 20		UNCENSORED DEATHS 7		CENSORED DEATHS 0		TERMINAL 13
UNCENSORED DEATH DAYS						
38	68	103	106	153	158	169
CENSORED DEATH DAYS						
none						
DOSE = 02.0 PPM						
TOTAL 20		UNCENSORED DEATHS 7		CENSORED DEATHS 0		TERMINAL 13
UNCENSORED DEATH DAYS						
43	95	130	141	154	158	163
CENSORED DEATH DAYS						
none						
DOSE = 12.8 PPM						
TOTAL 20		UNCENSORED DEATHS 7		CENSORED DEATHS 0		TERMINAL 13
UNCENSORED DEATH DAYS						
51	71	75	86	156	175	177
CENSORED DEATH DAYS						
none						
DOSE = 80 PPM						
TOTAL 20		UNCENSORED DEATHS 4		CENSORED DEATHS 0		TERMINAL 16
UNCENSORED DEATH DAYS						
37	58	93	166			
CENSORED DEATH DAYS						
none						

(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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KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	19	38	57	76	95	114	133	152	171	184(A)
CONTROL	100.0	95.0	95.0	90.0	90.0	80.0	80.0	80.0	65.0	65.0
02.0 PPM	100.0	100.0	95.0	95.0	90.0	90.0	85.0	80.0	65.0	65.0
12.8 PPM	100.0	100.0	95.0	85.0	80.0	80.0	80.0	80.0	75.0	65.0
80 PPM	100.0	95.0	95.0	90.0	85.0	85.0	85.0	85.0	80.0	80.0

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FIRST TERMINAL SACRIFICE AT 184 DAYS**

SURVIVAL SUMMARY STATISTICS

DOSE	CONTROL	02.0 PPM	12.8 PPM	80 PPM
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	65.0%	65.0%	65.0%	80.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.359N	P=1.000N	P=1.000N	P=0.512N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	113.6 (18.6)	126.3 (16.4)	113.0 (20.5)	88.5 (28.3)
MEAN LIFE SPAN (D) (STANDARD ERROR)	159.4 (9.9)	163.8 (8.3)	159.2 (10.3)	164.9 (10.1)

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**** END OF REPORT ****

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