

Experiment Number: 05182-05
Test Type: 1-YEAR
Route: DOSED FEED
Species/Strain: Mouse/P53(C57BL/6)

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
Test Compound: Transgenic model evaluation (Phenolphthalein)
CAS Number: 77-09-8

Date Report Requested: 10/19/2014
Time Report Requested: 08:22:21
First Dose M/F: NA / NA
Lab: ILS

C Number:	C55798C
Lock Date:	11/25/1996
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 183 DAYS
 INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 PPM			
TOTAL 20	UNCENSORED DEATHS 1	CENSORED DEATHS 0	TERMINAL 19
UNCENSORED DEATH DAYS			
123			
CENSORED DEATH DAYS			
none			
DOSE = 200 PPM			
TOTAL 20	UNCENSORED DEATHS 1	CENSORED DEATHS 0	TERMINAL 19
UNCENSORED DEATH DAYS			
155			
CENSORED DEATH DAYS			
none			
DOSE = 375 PPM			
TOTAL 20	UNCENSORED DEATHS 1	CENSORED DEATHS 0	TERMINAL 19
UNCENSORED DEATH DAYS			
149			
CENSORED DEATH DAYS			
none			
DOSE = 750 PPM			
TOTAL 20	UNCENSORED DEATHS 3	CENSORED DEATHS 0	TERMINAL 17
UNCENSORED DEATH DAYS			
134 164 179			
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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FIRST TERMINAL SACRIFICE AT 183 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 3000 PPM													
TOTAL 20			UNCENSORED DEATHS 14				CENSORED DEATHS 0			TERMINAL 6			
UNCENSORED DEATH DAYS													
109	113	113	113	133	136	141	141	150	164	165	169	172	182
CENSORED DEATH DAYS													
none													

DOSE = 12000 PPM													
TOTAL 20			UNCENSORED DEATHS 4				CENSORED DEATHS 0			TERMINAL 16			
UNCENSORED DEATH DAYS													
164	172	176	178										
CENSORED DEATH DAYS													
none													

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KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	19	38	57	76	95	114	133	152	171	183(A)
0 PPM	100.0	100.0	100.0	100.0	100.0	100.0	95.0	95.0	95.0	95.0
200 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.0	95.0
375 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.0	95.0	95.0
750 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.0	90.0	85.0
3000 PPM	100.0	100.0	100.0	100.0	100.0	80.0	75.0	55.0	40.0	30.0
12000 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	95.0	80.0

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FIRST TERMINAL SACRIFICE AT 183 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 PPM	200 PPM	375 PPM	750 PPM
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	95.0%	95.0%	95.0%	85.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.274	P=1.000N	P=1.000N	P=0.617
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	123.0 (.)	155.0 (.)	149.0 (.)	159.0 (13.2)
MEAN LIFE SPAN (D) (STANDARD ERROR)	180.0 (3.0)	181.6 (1.4)	181.3 (1.7)	179.4 (2.6)

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SURVIVAL SUMMARY STATISTICS

DOSE	3000 PPM	12000 PPM
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	30.0%	80.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.000	P=0.357
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	142.9 (6.6)	172.5 (3.1)
MEAN LIFE SPAN (D) (STANDARD ERROR)	155.0 (6.2)	180.9 (1.1)

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