

**Experiment Number:** 55301-07  
**Test Type:** 26-WEEK  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/P53(C57BL/6)

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
**Test Compound:** Transgenic LECM (Pyridine)  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 13:14:00  
**First Dose M/F:** NA / NA  
**Lab:** ILS

<b>C Number:</b>	C55301C
<b>Lock Date:</b>	08/21/1997
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

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**Male MOUSE**  
**FIRST TERMINAL SACRIFICE AT 185 DAYS**  
**INDIVIDUAL SURVIVAL TIMES (DAYS)**

DOSE = 0 PPM	UNCENSORED DEATHS	CENSORED DEATHS	TERMINAL
TOTAL 10	1	0	9
<b>UNCENSORED DEATH DAYS</b>			
119			
<b>CENSORED DEATH DAYS</b>			
none			
<b>DOSE = 250 PPM</b>			
TOTAL 10	0	0	10
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			
<b>DOSE = 500 PPM</b>			
TOTAL 10	2	1	7
<b>UNCENSORED DEATH DAYS</b>			
61      69			
<b>CENSORED DEATH DAYS</b>			
91			
<b>DOSE = 1000 PPM</b>			
TOTAL 10	1	0	9
<b>UNCENSORED DEATH DAYS</b>			
119			
<b>CENSORED DEATH DAYS</b>			
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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**Male MOUSE**  
**FIRST TERMINAL SACRIFICE AT 185 DAYS**

**KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)**

DOSE	TIME (DAYS)									
	19	38	57	76	95	114	133	152	171	185(A)
<b>0 PPM</b>	100.0	100.0	100.0	100.0	100.0	100.0	90.0	90.0	90.0	90.0
<b>250 PPM</b>	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<b>500 PPM</b>	100.0	100.0	100.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
<b>1000 PPM</b>	100.0	100.0	100.0	100.0	100.0	100.0	90.0	90.0	90.0	90.0

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**Male MOUSE**  
**FIRST TERMINAL SACRIFICE AT 185 DAYS**

**SURVIVAL SUMMARY STATISTICS**

<b>DOSE</b>	<b>0 PPM</b>	<b>250 PPM</b>	<b>500 PPM</b>	<b>1000 PPM</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	90.0%	100.0%	80.0%	90.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.988	P=1.000N	P=0.894	P=1.000
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	119.0 (.)	. (.)	65.0 (4.0)	119.0 (.)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	178.4 (6.6)	185.0 (0.0)	151.6 (17.2)	178.4 (6.6)

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**Lab:** ILS

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

<b>DOSE = 0 PPM</b>			
TOTAL 10	UNCENSORED DEATHS 2	CENSORED DEATHS 0	TERMINAL 8
<b>UNCENSORED DEATH DAYS</b>			
119	155		
<b>CENSORED DEATH DAYS</b>			
none			
<b>DOSE = 125 PPM</b>			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			
<b>DOSE = 250 PPM</b>			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			
<b>DOSE = 500 PPM</b>			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			

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Female MOUSE  
 FIRST TERMINAL SACRIFICE AT 184 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	19	38	57	76	95	114	133	152	171	184(A)
0 PPM	100.0	100.0	100.0	100.0	100.0	100.0	90.0	90.0	80.0	80.0
125 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
250 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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**Female MOUSE**  
**FIRST TERMINAL SACRIFICE AT 184 DAYS**

**SURVIVAL SUMMARY STATISTICS**

DOSE	0 PPM	125 PPM	250 PPM	500 PPM
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	80.0%	100.0%	100.0%	100.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.222N	P=0.456N	P=0.456N	P=0.456N
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	137.0 (18.0)	. (.)	. (.)	. (.)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	174.6 (6.8)	184.0 (0.0)	184.0 (0.0)	184.0 (0.0)

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**\*\* END OF REPORT \*\***

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