

Experiment Number: 95003 - 02
Test Type: 90-DAY
Route: DOSED FEED
Species/Strain: MICE/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Methyl trans-styryl ketone

CAS Number: 1896-62-4

Date Report Requested: 08/31/2016

Time Report Requested: 11:36:31

First Dose M/F: 12/20/01 / 12/21/01

Lab: MBA

NTP Study Number: C95003B
Lock Date: 01/08/2003
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 MICE

FIRST TERMINAL SACRIFICE AT 92 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = VEHICLE CONTROL

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

DOSE = 0.025%

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

DOSE = 0.05%

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

DOSE = 0.1%

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

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MALE MICE

FIRST TERMINAL SACRIFICE AT 92 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0.2%

TOTAL 10

UNCENSORED DEATHS 0

CENSORED DEATHS 0

TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

DOSE = 0.4%

TOTAL 10

UNCENSORED DEATHS 0

CENSORED DEATHS 0

TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

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FIRST TERMINAL SACRIFICE AT 92 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	10	20	30	40	50	60	70	80	90	92(A)
VEHICLE CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.025%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.05%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.1%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.2%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.4%	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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MALE MICE

FIRST TERMINAL SACRIFICE AT 92 DAYS

SURVIVAL SUMMARY STATISTICS				
DOSE	VEHICLE CONTROL	0.025%	0.05%	0.1%
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)	92.0 (0.0)	92.0 (0.0)	92.0 (0.0)	92.0 (0.0)

DOSE	0.2%	0.4%
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)	92.0 (0.0)	92.0 (0.0)

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FEMALE MICE

FIRST TERMINAL SACRIFICE AT 92 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = VEHICLE CONTROL

TOTAL 10	UNCENSORED DEATHS 1	CENSORED DEATHS 0	TERMINAL 9
UNCENSORED DEATH DAYS			
78			
CENSORED DEATH DAYS			
None			

DOSE = 0.025%

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

DOSE = 0.05%

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

DOSE = 0.1%

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

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INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0.2%

TOTAL 10

UNCENSORED DEATHS 0

CENSORED DEATHS 0

TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

DOSE = 0.4%

TOTAL 10

UNCENSORED DEATHS 0

CENSORED DEATHS 0

TERMINAL 10

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

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DOSE	TIME (DAYS)									
	10	20	30	40	50	60	70	80	90	92(A)
VEHICLE CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	90.0	90.0	90.0
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0.05%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.1%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.2%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.4%	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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SURVIVAL SUMMARY STATISTICS

DOSE	VEHICLE CONTROL	0.025%	0.05%	0.1%
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	90.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.832N	P=1.000N	P=1.000N	P=1.000N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	78.0 (.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	90.6 (1.4)	92.0 (0.0)	92.0 (0.0)	92.0 (0.0)
DOSE	0.2%	0.4%		
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%		
SIGNIFICANCE (B) (LIFE TABLE)	P=1.000N	P=1.000N		
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	(.)	(.)		
MEAN LIFE SPAN (D) (STANDARD ERROR)	92.0 (0.0)	92.0 (0.0)		

*** END OF REPORT ***

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