

Experiment Number: 88050-02
Test Type: 14-DAY
Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Methacrylonitrile
CAS Number: 126-98-7

Date Report Requested: 10/19/2014
Time Report Requested: 10:04:47
First Dose M/F: NA / NA
Lab: BAT

C Number:	C88050
Lock Date:	03/23/1993
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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Lab: BAT

Male MOUSE
FIRST TERMINAL SACRIFICE AT 15 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 G/L

TOTAL 5

UNCENSORED DEATHS 0

CENSORED DEATHS 0

TERMINAL 5

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 0.15 G/L

TOTAL 5

UNCENSORED DEATHS 1

CENSORED DEATHS 0

TERMINAL 4

UNCENSORED DEATH DAYS

7

CENSORED DEATH DAYS

none

DOSE = 0.3 G/L

TOTAL 5

UNCENSORED DEATHS 0

CENSORED DEATHS 0

TERMINAL 5

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 0.6 G/L

TOTAL 5

UNCENSORED DEATHS 0

CENSORED DEATHS 0

TERMINAL 5

UNCENSORED DEATH DAYS

none

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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Male MOUSE
FIRST TERMINAL SACRIFICE AT 15 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 1.2 G/L

TOTAL 5

UNCENSORED DEATHS 1

CENSORED DEATHS 0

TERMINAL 4

UNCENSORED DEATH DAYS

4

CENSORED DEATH DAYS

none

DOSE = 2.4 G/L

TOTAL 5

UNCENSORED DEATHS 1

CENSORED DEATHS 0

TERMINAL 4

UNCENSORED DEATH DAYS

2

CENSORED DEATH DAYS

none

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Lab: BAT

Male MOUSE
FIRST TERMINAL SACRIFICE AT 15 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	2	4	6	8	10	12	14	16	18	15(A)
0 G/L	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.15 G/L	100.0	100.0	100.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
0.3 G/L	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.6 G/L	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1.2 G/L	100.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
2.4 G/L	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0

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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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First Dose M/F: NA / NA
Lab: BAT

Male MOUSE
FIRST TERMINAL SACRIFICE AT 15 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 G/L	0.15 G/L	0.3 G/L	0.6 G/L
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	80.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.489	P=1.000	-----	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	.	7.0	.	.
	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	15.0	13.4	15.0	15.0
	(0.0)	(1.6)	(0.0)	(0.0)

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

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First Dose M/F: NA / NA
Lab: BAT

Male MOUSE
FIRST TERMINAL SACRIFICE AT 15 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	1.2 G/L	2.4 G/L
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	80.0%	80.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=1.000	P=1.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	4.0 (.)	2.0 (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	12.8 (2.2)	12.4 (2.6)

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Species/Strain: Mouse/B6C3F1

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Date Report Requested: 10/19/2014

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First Dose M/F: NA / NA

Lab: BAT

Female MOUSE
FIRST TERMINAL SACRIFICE AT 15 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 G/L

TOTAL 5

UNCENSORED DEATHS 0

CENSORED DEATHS 0

TERMINAL 5

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 0.15 G/L

TOTAL 5

UNCENSORED DEATHS 0

CENSORED DEATHS 0

TERMINAL 5

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 0.3 G/L

TOTAL 5

UNCENSORED DEATHS 0

CENSORED DEATHS 0

TERMINAL 5

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 0.6 G/L

TOTAL 5

UNCENSORED DEATHS 0

CENSORED DEATHS 0

TERMINAL 5

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

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First Dose M/F: NA / NA
Lab: BAT

Female MOUSE
FIRST TERMINAL SACRIFICE AT 15 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	2	4	6	8	10	12	14	16	18	15(A)
0 G/L	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.15 G/L	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.3 G/L	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.6 G/L	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1.2 G/L	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.4 G/L	100.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0

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First Dose M/F: NA / NA
Lab: BAT

Female MOUSE
FIRST TERMINAL SACRIFICE AT 15 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 G/L	0.15 G/L	0.3 G/L	0.6 G/L
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.000	-----	-----	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	. (.)	. (.)	. (.)	. (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	15.0 (0.0)	15.0 (0.0)	15.0 (0.0)	15.0 (0.0)

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First Dose M/F: NA / NA
Lab: BAT

Female MOUSE
FIRST TERMINAL SACRIFICE AT 15 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	1.2 G/L	2.4 G/L
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	0.0%	20.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.016	P=0.066
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	3.0 (.)	3.0 (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	3.0 (0.0)	5.4 (2.4)

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**** END OF REPORT ****

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