

Experiment Number: 88004-02
Test Type: 14-DAY
Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
Test Compound: Divinylbenzene
CAS Number: 1321-74-0

Date Report Requested: 10/19/2014
Time Report Requested: 04:21:17
First Dose M/F: NA / NA
Lab: BNW

C Number: C88004B
Lock Date: 05/18/1998
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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First Dose M/F: NA / NA

Lab: BNW

Male MOUSE
FIRST TERMINAL SACRIFICE AT 18 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = CONTROL

TOTAL 5 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 5

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 25 PPM

TOTAL 5 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 5

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 50 PPM

TOTAL 5 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 5

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 100 PPM

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

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Lab: BNW

Male MOUSE
FIRST TERMINAL SACRIFICE AT 18 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 200 PPM

TOTAL 5

UNCENSORED DEATHS 2

CENSORED DEATHS 0

TERMINAL 3

UNCENSORED DEATH DAYS

4 8

CENSORED DEATH DAYS

none

DOSE = 400 PPM

TOTAL 5

UNCENSORED DEATHS 5

CENSORED DEATHS 0

TERMINAL 0

UNCENSORED DEATH DAYS

1 1 2 2 2

CENSORED DEATH DAYS

none

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FIRST TERMINAL SACRIFICE AT 18 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	2	4	6	8	10	12	14	16	18(A)	18(A)
CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
50 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200 PPM	100.0	80.0	80.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
400 PPM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Male MOUSE
FIRST TERMINAL SACRIFICE AT 18 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	CONTROL	25 PPM	50 PPM	100 PPM
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)	18.0	18.0	18.0	18.0
	(0.0)	(0.0)	(0.0)	(0.0)

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

Male MOUSE
FIRST TERMINAL SACRIFICE AT 18 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	200 PPM	400 PPM
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	60.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.431	P=0.015
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	6.0 (2.0)	1.6 (0.2)
MEAN LIFE SPAN (D) (STANDARD ERROR)	13.2 (3.0)	1.6 (0.2)

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First Dose M/F: NA / NA

Lab: BNW

Female MOUSE
FIRST TERMINAL SACRIFICE AT 18 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = CONTROL

TOTAL 5 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 5

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 25 PPM

TOTAL 5 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 5

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 50 PPM

TOTAL 5 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 5

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 100 PPM

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: BNW

Female MOUSE
FIRST TERMINAL SACRIFICE AT 18 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 200 PPM

TOTAL 5

UNCENSORED DEATHS 2

CENSORED DEATHS 0

TERMINAL 3

UNCENSORED DEATH DAYS

6 11

CENSORED DEATH DAYS

none

DOSE = 400 PPM

TOTAL 5

UNCENSORED DEATHS 5

CENSORED DEATHS 0

TERMINAL 0

UNCENSORED DEATH DAYS

2 2 2 2 2

CENSORED DEATH DAYS

none

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DOSE	TIME (DAYS)									
	2	4	6	8	10	12	14	16	18(A)	18(A)
CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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50 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200 PPM	100.0	100.0	80.0	80.0	80.0	60.0	60.0	60.0	60.0	60.0
400 PPM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Female MOUSE
FIRST TERMINAL SACRIFICE AT 18 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	CONTROL	25 PPM	50 PPM	100 PPM
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)	18.0	18.0	18.0	18.0
	(0.0)	(0.0)	(0.0)	(0.0)

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SURVIVAL SUMMARY STATISTICS

DOSE	200 PPM	400 PPM
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	60.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.431	P=0.016
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	8.5 (2.5)	2.0 (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	14.2 (2.5)	2.0 (0.0)

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**** END OF REPORT ****

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