

Experiment Number: 20011-04
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: 1-Bromopropane
CAS Number: 106-94-5

Date Report Requested: 10/18/2014
Time Report Requested: 17:03:48
First Dose M/F: NA / NA
Lab: BNW

C Number:	C20011
Lock Date:	06/13/2003
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 95 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = CONTROL

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 62.5 PPM

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 125 PPM

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 250 PPM

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 1 TERMINAL 9

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

23

(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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Lab: BNW

**Male MOUSE
FIRST TERMINAL SACRIFICE AT 95 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)**

DOSE = 500 PPM			
TOTAL 10	UNCENSORED DEATHS 4	CENSORED DEATHS 0	TERMINAL 6
UNCENSORED DEATH DAYS			
3 4 4	10		
CENSORED DEATH DAYS			
none			

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First Dose M/F: NA / NA

Lab: BNW

**Male MOUSE
FIRST TERMINAL SACRIFICE AT 95 DAYS**

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	10	20	30	40	50	60	70	80	90	95(A)
CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
62.5 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0

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

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Time Report Requested: 17:03:48

First Dose M/F: NA / NA

Lab: BNW

**Male MOUSE
FIRST TERMINAL SACRIFICE AT 95 DAYS**

SURVIVAL SUMMARY STATISTICS

DOSE	CONTROL	62.5 PPM	125 PPM	250 PPM
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.001	-----	-----	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)
	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	95.0	95.0	95.0	87.8
	(0.0)	(0.0)	(0.0)	(7.2)

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

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

Male MOUSE
FIRST TERMINAL SACRIFICE AT 95 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	500 PPM
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	60.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.095
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	5.3 (1.6)
MEAN LIFE SPAN (D) (STANDARD ERROR)	59.1 (14.7)

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First Dose M/F: NA / NA

Lab: BNW

Female MOUSE
FIRST TERMINAL SACRIFICE AT 96 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = CONTROL

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 62.5 PPM

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 125 PPM

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 250 PPM

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

(A) FIRST TERMINAL SACRIFICE

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Species/Strain: Mouse/B6C3F1

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First Dose M/F: NA / NA

Lab: BNW

**Female MOUSE
FIRST TERMINAL SACRIFICE AT 96 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)**

DOSE = 500 PPM					
TOTAL 10			UNCENSORED DEATHS 5	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS					
3	4	4	4	5	
CENSORED DEATH DAYS					
none					

(A) FIRST TERMINAL SACRIFICE

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First Dose M/F: NA / NA

Lab: BNW

Female MOUSE
FIRST TERMINAL SACRIFICE AT 96 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	10	20	30	40	50	60	70	80	90	96(A)
CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
62.5 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
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	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0

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First Dose M/F: NA / NA

Lab: BNW

Female MOUSE
FIRST TERMINAL SACRIFICE AT 96 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	CONTROL	62.5 PPM	125 PPM	250 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)	96.0 (0.0)	96.0 (0.0)	96.0 (0.0)	96.0 (0.0)

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First Dose M/F: NA / NA

Lab: BNW

**Female MOUSE
FIRST TERMINAL SACRIFICE AT 96 DAYS**

SURVIVAL SUMMARY STATISTICS

DOSE	500 PPM
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	50.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.040
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	4.0 (0.3)
MEAN LIFE SPAN (D) (STANDARD ERROR)	50.0 (15.3)

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Test Compound: 1-Bromopropane

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First Dose M/F: NA / NA

Lab: BNW

**** END OF REPORT ****

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