

TDMS No. 20011 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

1-Bromopropane

CAS Number: 106-94-5

F1_M3

Date Report Requested: 10/01/2008

Time Report Requested: 09:42:38

First Dose M/F: 07/21/03 / 07/21/03

Lab: BNW

C Number: C20011
Lock Date: 06/15/2006
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.0.0

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MALE MICE

FIRST TERMINAL SACRIFICE AT 729 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = CONTROL

TOTAL 50 UNCENSORED DEATHS 13 CENSORED DEATHS 0 TERMINAL 37

UNCENSORED DEATH DAYS:

328 401 477 539 544 578 586 610 617 684 691 718 719

CENSORED DEATH DAYS:

None

DOSE = 62.5 PPM

TOTAL 50 UNCENSORED DEATHS 17 CENSORED DEATHS 0 TERMINAL 33

UNCENSORED DEATH DAYS:

424 425 451 520 540 568 577 631 649 655 660 661 684 684

696 709 719

CENSORED DEATH DAYS:

None

DOSE = 125 PPM

TOTAL 50 UNCENSORED DEATHS 18 CENSORED DEATHS 0 TERMINAL 32

UNCENSORED DEATH DAYS:

537 604 604 617 621 628 631 649 655 665 677 682 691 694

702 709 718 718

CENSORED DEATH DAYS:

None

DOSE = 250 PPM

TOTAL 50 UNCENSORED DEATHS 14 CENSORED DEATHS 0 TERMINAL 36

UNCENSORED DEATH DAYS:

47 47 360 385 417 468 470 562 577 604 645 684 702 708

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CENSORED DEATH DAYS:

None

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FIRST TERMINAL SACRIFICE AT 729 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	729(A)
CONTROL	100.0	100.0	100.0	98.0	96.0	94.0	90.0	86.0	82.0	74.0
62.5 PPM	100.0	100.0	100.0	100.0	96.0	94.0	90.0	86.0	76.0	66.0
125 PPM	100.0	100.0	100.0	100.0	100.0	100.0	98.0	94.0	80.0	64.0
250 PPM	96.0	96.0	96.0	94.0	90.0	86.0	86.0	80.0	78.0	72.0

(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 729 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	CONTROL	62.5 PPM	125 PPM	250 PPM
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	74.0%	66.0%	64.0%	72.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.934	P=0.526	P=0.486	P=0.888
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	576.3 (33.3)	603.1 (24.1)	655.7 (11.5)	476.9 (57.6)
MEAN LIFE SPAN (D) (STANDARD ERROR)	689.3 (12.7)	686.2 (11.7)	702.6 (6.5)	658.4 (22.5)

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FEMALE MICE

FIRST TERMINAL SACRIFICE AT 731 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = CONTROL

TOTAL 50	UNCENSORED DEATHS 14	CENSORED DEATHS 0	TERMINAL 36										
UNCENSORED DEATH DAYS:													
481	540	543	562	591	607	607	645	646	649	669	672	685	708
CENSORED DEATH DAYS:													
None													

DOSE = 62.5 PPM

TOTAL 50	UNCENSORED DEATHS 10	CENSORED DEATHS 0	TERMINAL 40						
UNCENSORED DEATH DAYS:									
505	547	583	625	660	673	678	687	709	723
CENSORED DEATH DAYS:									
None									

DOSE = 125 PPM

TOTAL 50	UNCENSORED DEATHS 13	CENSORED DEATHS 0	TERMINAL 37									
UNCENSORED DEATH DAYS:												
345	520	537	589	589	603	610	631	663	688	696	708	715
CENSORED DEATH DAYS:												
None												

DOSE = 250 PPM

TOTAL 50	UNCENSORED DEATHS 9	CENSORED DEATHS 0	TERMINAL 41					
UNCENSORED DEATH DAYS:								
470	554	568	649	655	663	703	719	730
CENSORED DEATH DAYS:								
None								

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KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	731(A)
CONTROL	100.0	100.0	100.0	100.0	100.0	98.0	94.0	90.0	80.0	72.0
62.5 PPM	100.0	100.0	100.0	100.0	100.0	100.0	98.0	94.0	90.0	80.0
125 PPM	100.0	100.0	100.0	98.0	98.0	98.0	94.0	88.0	82.0	74.0
250 PPM	100.0	100.0	100.0	100.0	100.0	98.0	98.0	94.0	88.0	82.0

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SURVIVAL SUMMARY STATISTICS

DOSE	CONTROL	62.5 PPM	125 PPM	250 PPM
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	72.0%	80.0%	74.0%	82.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.363N	P=0.413N	P=0.967N	P=0.298N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	614.6 (17.4)	639.0 (22.9)	607.2 (27.9)	634.6 (29.0)
MEAN LIFE SPAN (D) (STANDARD ERROR)	698.4 (8.8)	712.6 (6.8)	698.8 (10.5)	713.6 (7.3)

*** END OF REPORT ***

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