

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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