

TDMS No. 93025 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Tetralin

CAS Number: 119-64-2

Date Report Requested: 05/22/2008

Time Report Requested: 06:34:08

First Dose M/F: 06/23/03 / 06/23/03

Lab: BNW

C Number: C93025
Lock Date: 03/22/2006
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 14 CENSORED DEATHS 0 TERMINAL 36

UNCENSORED DEATH DAYS:

422 452 516 592 593 597 604 618 635 663 677 705 720 725

CENSORED DEATH DAYS:

None

DOSE = 30 PPM

TOTAL 50 UNCENSORED DEATHS 15 CENSORED DEATHS 0 TERMINAL 35

UNCENSORED DEATH DAYS:

454 576 582 592 602 611 624 642 645 663 668 690 705 705

718

CENSORED DEATH DAYS:

None

DOSE = 60 PPM

TOTAL 50 UNCENSORED DEATHS 12 CENSORED DEATHS 0 TERMINAL 38

UNCENSORED DEATH DAYS:

493 521 523 593 593 607 643 656 694 700 707 716

CENSORED DEATH DAYS:

None

DOSE = 120 PPM

TOTAL 50 UNCENSORED DEATHS 14 CENSORED DEATHS 0 TERMINAL 36

UNCENSORED DEATH DAYS:

444 478 496 498 563 586 591 592 649 687 704 705 705 712

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	100.0	98.0	96.0	94.0	86.0	80.0	72.0
30 PPM	100.0	100.0	100.0	100.0	100.0	98.0	98.0	90.0	80.0	70.0
60 PPM	100.0	100.0	100.0	100.0	100.0	100.0	94.0	90.0	84.0	76.0
120 PPM	100.0	100.0	100.0	100.0	100.0	96.0	92.0	84.0	82.0	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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FIRST TERMINAL SACRIFICE AT 729 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	CONTROL	30 PPM	60 PPM	120 PPM
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	72.0%	70.0%	76.0%	72.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=1.000N	P=1.000	P=0.784N	P=1.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	608.5 (24.8)	631.8 (17.5)	620.5 (22.6)	600.7 (25.4)
MEAN LIFE SPAN (D) (STANDARD ERROR)	695.3 (10.3)	699.8 (8.2)	703.0 (8.4)	693.1 (10.8)

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FEMALE MICE

FIRST TERMINAL SACRIFICE AT 731 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	731(A)
CONTROL	100.0	98.0	98.0	98.0	94.0	92.0	84.0	78.0	76.0	62.0
30 PPM	100.0	100.0	100.0	98.0	96.0	96.0	94.0	90.0	86.0	76.0
60 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.0	84.0
120 PPM	100.0	100.0	100.0	100.0	100.0	100.0	98.0	98.0	96.0	86.0

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SURVIVAL SUMMARY STATISTICS

DOSE	CONTROL	30 PPM	60 PPM	120 PPM
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	62.0%	76.0%	84.0%	86.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.004N	P=0.157N	P=0.012N	P=0.006N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	553.2 (33.8)	595.1 (38.3)	691.0 (8.3)	673.9 (25.8)
MEAN LIFE SPAN (D) (STANDARD ERROR)	663.4 (17.7)	698.4 (12.2)	724.6 (2.4)	723.0 (4.4)

*** END OF REPORT ***

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