

TDMS No. 99017 - 06

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Diethylamine

CAS Number: 109-89-7

F1_M3

Date Report Requested: 10/23/2008

Time Report Requested: 13:20:12

First Dose M/F: 08/18/03 / 08/18/03

Lab: BNW

C Number: C99017
Lock Date: 08/01/2006
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)

CENSORED DEATH DAYS:

None

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MALE MICE
 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	100.0	100.0	94.0	86.0	74.0	62.0
16 PPM	100.0	100.0	100.0	100.0	100.0	98.0	94.0	92.0	86.0	76.0
31 PPM	100.0	100.0	100.0	100.0	100.0	96.0	92.0	88.0	76.0	64.0
62.5 PPM	100.0	100.0	100.0	100.0	100.0	98.0	98.0	88.0	82.0	74.0

- (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	16 PPM	31 PPM	62.5 PPM
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	62.0%	76.0%	64.0%	74.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.416N	P=0.174N	P=0.943N	P=0.267N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	616.1 (15.8)	621.8 (22.0)	611.9 (19.7)	619.2 (22.2)
MEAN LIFE SPAN (D) (STANDARD ERROR)	686.1 (9.8)	703.3 (8.3)	686.9 (10.6)	700.5 (8.9)

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Lab: BNW

FEMALE MICE

FIRST TERMINAL SACRIFICE AT 731 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

CENSORED DEATH DAYS:

None

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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	98.0	98.0	98.0	98.0	98.0	96.0	92.0	82.0	80.0	64.0
16 PPM	100.0	100.0	100.0	98.0	98.0	96.0	94.0	86.0	76.0	70.0
31 PPM	100.0	100.0	100.0	100.0	98.0	98.0	98.0	98.0	96.0	72.0
62.5 PPM	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	86.0	78.0

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FIRST TERMINAL SACRIFICE AT 731 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	CONTROL	16 PPM	31 PPM	62.5 PPM
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	64.0%	70.0%	72.0%	78.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.113N	P=0.755N	P=0.364N	P=0.150N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	600.2 (37.2)	586.3 (25.5)	678.8 (21.2)	665.5 (10.6)
MEAN LIFE SPAN (D) (STANDARD ERROR)	683.9 (15.9)	687.6 (12.1)	716.4 (6.7)	716.6 (4.5)

*** END OF REPORT ***

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