

**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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Lab: BNW

MALE MICE

FIRST TERMINAL SACRIFICE AT 729 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = CONTROL

TOTAL	50	UNCENSORED DEATHS	19	CENSORED DEATHS	0	TERMINAL	31
UNCENSORED DEATH DAYS:							
491	503	509	561	583	584	589	606
676	676	702	705	725			
CENSORED DEATH DAYS:							
None							

DOSE = 16 PPM

TOTAL	50	UNCENSORED DEATHS	12	CENSORED DEATHS	0	TERMINAL	38
UNCENSORED DEATH DAYS:							
484	536	541	561	610	620	648	666
CENSORED DEATH DAYS:							
None							

DOSE = 31 PPM

TOTAL	50	UNCENSORED DEATHS	18	CENSORED DEATHS	0	TERMINAL	32
UNCENSORED DEATH DAYS:							
442	484	506	508	551	590	609	610
690	705	705	723				
CENSORED DEATH DAYS:							
None							

DOSE = 62.5 PPM

TOTAL	50	UNCENSORED DEATHS	13	CENSORED DEATHS	0	TERMINAL	37
UNCENSORED DEATH DAYS:							
442	554	555	563	581	583	659	659

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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)
<b>CONTROL</b>	100.0	100.0	100.0	100.0	100.0	100.0	94.0	86.0	74.0	62.0
<b>16 PPM</b>	100.0	100.0	100.0	100.0	100.0	98.0	94.0	92.0	86.0	76.0
<b>31 PPM</b>	100.0	100.0	100.0	100.0	100.0	96.0	92.0	88.0	76.0	64.0
<b>62.5 PPM</b>	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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Species/Strain: MICE/B6C3F1

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**

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

Lab: BNW

**MALE MICE**

FIRST TERMINAL SACRIFICE AT 729 DAYS

**SURVIVAL SUMMARY STATISTICS**

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

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

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**Lab:** BNW

**FEMALE MICE**  
FIRST TERMINAL SACRIFICE AT 731 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

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**DOSE = CONTROL**

TOTAL 50                      UNCENSORED DEATHS 18                      CENSORED DEATHS 0                      TERMINAL 32  
UNCENSORED DEATH DAYS:  
47    465    522    533    584    584    592    599    604    649    688    690    695    704  
705    705    712    726  
CENSORED DEATH DAYS:  
None

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**DOSE = 16 PPM**

TOTAL 50                      UNCENSORED DEATHS 15                      CENSORED DEATHS 0                      TERMINAL 35  
UNCENSORED DEATH DAYS:  
313    444    533    551    564    588    600    613    627    627    649    660    673    676  
677  
CENSORED DEATH DAYS:  
None

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**DOSE = 31 PPM**

TOTAL 50                      UNCENSORED DEATHS 14                      CENSORED DEATHS 0                      TERMINAL 36  
UNCENSORED DEATH DAYS:  
414    659    673    676    680    689    690    709    712    717    718    718    722    726  
CENSORED DEATH DAYS:  
None

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**DOSE = 62.5 PPM**

TOTAL 50                      UNCENSORED DEATHS 11                      CENSORED DEATHS 0                      TERMINAL 39  
UNCENSORED DEATH DAYS:  
610    626    635    653    656    662    664    684    704    708    719

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**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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SURVIVAL SUMMARY STATISTICS

DOSE	CONTROL	16 PPM	31 PPM	62.5 PPM
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	64.0%	70.0%	72.0%	78.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.113N	P=0.755N	P=0.364N	P=0.150N
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	600.2 (37.2)	586.3 (25.5)	678.8 (21.2)	665.5 (10.6)
<b>MEAN LIFE SPAN (D)</b> (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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(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)