

**TDMS No.** 99037 - 06  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**  
alpha/beta Thujone mixture  
**CAS Number:** THUJONEMIXAB

**Date Report Requested:** 09/09/2010  
**Time Report Requested:** 12:54:20  
**First Dose M/F:** 06/30/03 / 06/30/03  
**Lab:** SRI

Spec. Run excl. high dose

**C Number:** C99037B  
**Lock Date:** 11/20/2006  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:**  
Include 001 0 MG/KG  
Include 004 3 MG/KG  
Include 007 12 MG/KG  
**Study Gender:** Both  
**TDMSE Version:** 2.2.0

Include 002 0 MG/KG  
Include 005 6 MG/KG  
Include 008 12 MG/KG

Include 003 3 MG/KG  
Include 006 6 MG/KG



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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)
0 MG/KG	100.0	100.0	100.0	100.0	100.0	98.0	96.0	86.0	82.0	80.0
3 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	98.0	98.0	91.8	85.7
6 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	96.0	82.0
12 MG/KG	98.0	98.0	98.0	98.0	98.0	94.0	90.0	86.0	80.0	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	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	80.0%	85.7%	82.0%	74.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.336	P=0.526N	P=0.834N	P=0.624
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	588.5 (19.8)	653.7 (22.3)	675.8 (11.6)	548.6 (50.5)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	700.9 (8.9)	704.0 (15.0)	719.4 (3.5)	682.1 (17.0)

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**FEMALE MICE**

FIRST TERMINAL SACRIFICE AT 729 DAYS  
INDIVIDUAL SURVIVAL TIMES (DAYS)

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**DOSE = 0 MG/KG**

TOTAL 50	UNCENSORED DEATHS 11	CENSORED DEATHS 2	TERMINAL 37
UNCENSORED DEATH DAYS			
246 296 320 564	580 628 669 683	691 700 715	
CENSORED DEATH DAYS			
95 142			

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**DOSE = 3 MG/KG**

TOTAL 49	UNCENSORED DEATHS 10	CENSORED DEATHS 6	TERMINAL 33
UNCENSORED DEATH DAYS			
524 554 566 585	669 677 677 694	704 719	
CENSORED DEATH DAYS			
3 3 4 5	5 6		

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**DOSE = 6 MG/KG**

TOTAL 50	UNCENSORED DEATHS 10	CENSORED DEATHS 0	TERMINAL 40
UNCENSORED DEATH DAYS			
483 609 617 624	638 646 652 682	691 698	
CENSORED DEATH DAYS			
None			

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**DOSE = 12 MG/KG**

TOTAL 50	UNCENSORED DEATHS 9	CENSORED DEATHS 0	TERMINAL 41
UNCENSORED DEATH DAYS			
543 579 647 668	691 694 710 711	719	
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)
0 MG/KG	100.0	100.0	97.9	93.8	93.8	93.8	93.8	89.6	87.5	77.1
3 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	97.7	90.7	90.7	76.7
6 MG/KG	100.0	100.0	100.0	100.0	100.0	98.0	98.0	98.0	86.0	80.0
12 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	98.0	96.0	94.0	82.0

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SURVIVAL SUMMARY STATISTICS				
DOSE	0 MG/KG	3 MG/KG	6 MG/KG	12 MG/KG
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	77.1%	76.7%	80.0%	82.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.500N	P=1.000N	P=0.878N	P=0.640N
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	553.8 (53.8)	636.9 (22.6)	634.0 (19.4)	662.4 (20.8)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	666.0 (22.2)	621.5 (34.0)	710.0 (6.6)	717.0 (5.1)

\*\*\* END OF REPORT \*\*\*

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