

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
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 MG/KG

TOTAL 50 UNCENSORED DEATHS 10 CENSORED DEATHS 0 TERMINAL 40
UNCENSORED DEATH DAYS
476 498 568 581 598 603 604 631 649 677
CENSORED DEATH DAYS
None

DOSE = 3 MG/KG

TOTAL 50 UNCENSORED DEATHS 7 CENSORED DEATHS 1 TERMINAL 42
UNCENSORED DEATH DAYS
529 654 654 663 674 687 715
CENSORED DEATH DAYS
4

DOSE = 6 MG/KG

TOTAL 50 UNCENSORED DEATHS 9 CENSORED DEATHS 0 TERMINAL 41
UNCENSORED DEATH DAYS
589 664 675 677 688 691 696 698 704
CENSORED DEATH DAYS
None

DOSE = 12 MG/KG

TOTAL 50 UNCENSORED DEATHS 13 CENSORED DEATHS 0 TERMINAL 37
UNCENSORED DEATH DAYS
4 456 470 518 545 579 604 608 619 652 677 691 709
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	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
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	80.0%	85.7%	82.0%	74.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.336	P=0.526N	P=0.834N	P=0.624
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	588.5 (19.8)	653.7 (22.3)	675.8 (11.6)	548.6 (50.5)
MEAN LIFE SPAN (D) (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)

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			

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		

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			

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
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	77.1%	76.7%	80.0%	82.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.500N	P=1.000N	P=0.878N	P=0.640N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	553.8 (53.8)	636.9 (22.6)	634.0 (19.4)	662.4 (20.8)
MEAN LIFE SPAN (D) (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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