

Experiment Number: 99037 - 04
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: MICE/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
alpha/beta Thujone mixture
CAS Number: 76231-76-0

Date Report Requested: 09/20/2016
Time Report Requested: 15:14:27
First Dose M/F: 08/14/02 / 08/15/02
Lab: SRI

NTP Study Number: C99037B
Lock Date: 04/04/2003
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: NONE

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MALE MICE

FIRST TERMINAL SACRIFICE AT 93 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 MG/KG

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

DOSE = 6.25 MG/KG

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

DOSE = 12.5 MG/KG

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

DOSE = 25 MG/KG

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

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MALE MICE

FIRST TERMINAL SACRIFICE AT 93 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 50 MG/KG

TOTAL 10

UNCENSORED DEATHS 9

CENSORED DEATHS 0

TERMINAL 1

UNCENSORED DEATH DAYS

42 55 55 55 63 76 76 87 90

CENSORED DEATH DAYS

None

DOSE = 75 MG/KG

TOTAL 10

UNCENSORED DEATHS 10

CENSORED DEATHS 0

TERMINAL 0

UNCENSORED DEATH DAYS

35 38 38 42 42 43 43 49 51 55

CENSORED DEATH DAYS

None

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MALE MICE

FIRST TERMINAL SACRIFICE AT 93 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	10	20	30	40	50	60	70	80	90	93(A)
0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6.25 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12.5 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
50 MG/KG	100.0	100.0	100.0	100.0	90.0	60.0	50.0	30.0	10.0	10.0
75 MG/KG	100.0	100.0	100.0	70.0	20.0	0.0	0.0	0.0	0.0	0.0

(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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Lab: SRI

MALE MICE

FIRST TERMINAL SACRIFICE AT 93 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P<0.001	----	----	----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	93.0 (0.0)	93.0 (0.0)	93.0 (0.0)	93.0 (0.0)

DOSE	50 MG/KG	75 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	10.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	P<0.001	P<0.001
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	66.6 (5.5)	43.6 (2.0)
MEAN LIFE SPAN (D) (STANDARD ERROR)	69.2 (5.6)	43.6 (2.0)

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FEMALE MICE

FIRST TERMINAL SACRIFICE AT 93 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 MG/KG

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

DOSE = 6.25 MG/KG

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

DOSE = 12.5 MG/KG

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

DOSE = 25 MG/KG

TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

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FEMALE MICE

FIRST TERMINAL SACRIFICE AT 93 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 50 MG/KG

TOTAL 10

UNCENSORED DEATHS 7

CENSORED DEATHS 0

TERMINAL 3

UNCENSORED DEATH DAYS

63 65 72 75 75 76 83

CENSORED DEATH DAYS

None

DOSE = 75 MG/KG

TOTAL 10

UNCENSORED DEATHS 10

CENSORED DEATHS 0

TERMINAL 0

UNCENSORED DEATH DAYS

42 42 48 48 49 49 51 51 51 56

CENSORED DEATH DAYS

None

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DOSE	TIME (DAYS)									
	10	20	30	40	50	60	70	80	90	93(A)
0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6.25 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12.5 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
50 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	80.0	40.0	30.0	30.0
75 MG/KG	100.0	100.0	100.0	100.0	40.0	0.0	0.0	0.0	0.0	0.0

(A) FIRST TERMINAL SACRIFICE

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SURVIVAL SUMMARY STATISTICS

DOSE	0 MG/KG	6.25 MG/KG	12.5 MG/KG	25 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P<0.001	----	----	----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	93.0 (0.0)	93.0 (0.0)	93.0 (0.0)	93.0 (0.0)

DOSE	50 MG/KG	75 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	30.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.004	P<0.001
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	72.7 (2.6)	48.7 (1.3)
MEAN LIFE SPAN (D) (STANDARD ERROR)	78.8 (3.6)	48.7 (1.3)

*** END OF REPORT ***

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