

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

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

Date Report Requested: 10/22/2014
Time Report Requested: 21:13:42
First Dose M/F: NA / NA
Lab: SRI

C Number:	C99037B
Lock Date:	04/04/2003
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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Lab: SRI

Male MOUSE
FIRST TERMINAL SACRIFICE AT 93 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 MG/KG	UNCENSORED DEATHS	CENSORED DEATHS	TERMINAL
TOTAL 10	0	0	10
UNCENSORED DEATH DAYS	none		
CENSORED DEATH DAYS	none		
DOSE = 6.25 MG/KG	UNCENSORED DEATHS	CENSORED DEATHS	TERMINAL
TOTAL 10	0	0	10
UNCENSORED DEATH DAYS	none		
CENSORED DEATH DAYS	none		
DOSE = 12.5 MG/KG	UNCENSORED DEATHS	CENSORED DEATHS	TERMINAL
TOTAL 10	0	0	10
UNCENSORED DEATH DAYS	none		
CENSORED DEATH DAYS	none		
DOSE = 25 MG/KG	UNCENSORED DEATHS	CENSORED DEATHS	TERMINAL
TOTAL 10	0	0	10
UNCENSORED DEATH DAYS	none		
CENSORED DEATH DAYS	none		

(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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FIRST TERMINAL SACRIFICE AT 93 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 50		MG/KG	UNCENSORED DEATHS			CENSORED DEATHS			TERMINAL
TOTAL		10	9			0			1
UNCENSORED DEATH DAYS									
42	55	55	55	63	76	76	87	90	
CENSORED DEATH DAYS									
none									
DOSE = 75		MG/KG	UNCENSORED DEATHS			CENSORED DEATHS			TERMINAL
TOTAL		10	10			0			0
UNCENSORED DEATH DAYS									
35	38	38	42	42	43	43	49	51	55
CENSORED DEATH DAYS									
none									

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Male MOUSE
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	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	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	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	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	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	0.0

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Male MOUSE
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=0.000	-----	-----	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)
	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	93.0	93.0	93.0	93.0
	(0.0)	(0.0)	(0.0)	(0.0)

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First Dose M/F: NA / NA
Lab: SRI

Male MOUSE
FIRST TERMINAL SACRIFICE AT 93 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	50 MG/KG	75 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	10.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.000	P=0.000
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 MOUSE
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 MOUSE
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	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	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	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	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	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	0.0

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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=0.000	-----	-----	-----
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)

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Female MOUSE
FIRST TERMINAL SACRIFICE AT 93 DAYS

SURVIVAL SUMMARY STATISTICS

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=0.000
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)

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