

**Experiment Number:** 99023-02  
**Test Type:** 90-DAY  
**Species/Strain:** Mouse/B6C3F1

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**

**Test Compound:** beta-Myrcene  
**CAS Number:** 123-35-3

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 17:28:21  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>C Number:</b>	C99023
<b>Lock Date:</b>	10/17/2001
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

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First Dose M/F: NA / NA

Lab: BAT

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

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**DOSE = 0 G/KG**

TOTAL 10                      UNCENSORED DEATHS 0                      CENSORED DEATHS 0                      TERMINAL 10

**UNCENSORED DEATH DAYS**

none

**CENSORED DEATH DAYS**

none

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**DOSE = 0.25 G/KG**

TOTAL 10                      UNCENSORED DEATHS 0                      CENSORED DEATHS 0                      TERMINAL 10

**UNCENSORED DEATH DAYS**

none

**CENSORED DEATH DAYS**

none

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**DOSE = 0.5 G/KG**

TOTAL 10                      UNCENSORED DEATHS 0                      CENSORED DEATHS 0                      TERMINAL 10

**UNCENSORED DEATH DAYS**

none

**CENSORED DEATH DAYS**

none

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**DOSE = 1.0 G/KG**

TOTAL 10                      UNCENSORED DEATHS 0                      CENSORED DEATHS 0                      TERMINAL 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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Lab: BAT

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

---

DOSE = 2.0 G/KG

TOTAL 10

UNCENSORED DEATHS 9

CENSORED DEATHS 0

TERMINAL 1

UNCENSORED DEATH DAYS

7      8      21

21      22      22      23      23      24

CENSORED DEATH DAYS

none

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DOSE = 4.0 G/KG

TOTAL 10

UNCENSORED DEATHS 10

CENSORED DEATHS 0

TERMINAL 0

UNCENSORED DEATH DAYS

2      2      3

3      3      3      3      3      3      3

CENSORED DEATH DAYS

none

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

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

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 G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.25 G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.5 G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1.0 G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2.0 G/KG	80.0	80.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
4.0 G/KG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

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

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

Male MOUSE  
FIRST TERMINAL SACRIFICE AT 93 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/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)

(A) FIRST TERMINAL SACRIFICE

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(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

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

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**First Dose M/F:** NA / NA  
**Lab:** BAT

**Male MOUSE**  
**FIRST TERMINAL SACRIFICE AT 93 DAYS**

**SURVIVAL SUMMARY STATISTICS**

<b>DOSE</b>	<b>2.0 G/KG</b>	<b>4.0 G/KG</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	10.0%	0.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.000	P=0.000
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	19.0 (2.2)	2.8 (0.1)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	26.4 (7.7)	2.8 (0.1)

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(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

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Test Type: 90-DAY

Species/Strain: Mouse/B6C3F1

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First Dose M/F: NA / NA

Lab: BAT

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

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<b>DOSE = 0 G/KG</b>			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			
<hr/>			
<b>DOSE = 0.25 G/KG</b>			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			
<hr/>			
<b>DOSE = 0.5 G/KG</b>			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			
<hr/>			
<b>DOSE = 1.0 G/KG</b>			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
<b>UNCENSORED DEATH DAYS</b>			
none			
<b>CENSORED DEATH DAYS</b>			
none			

(A) FIRST TERMINAL SACRIFICE

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Species/Strain: Mouse/B6C3F1

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First Dose M/F: NA / NA

Lab: BAT

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

---

DOSE = 2.0 G/KG

TOTAL 10

UNCENSORED DEATHS 8

CENSORED DEATHS 0

TERMINAL 2

UNCENSORED DEATH DAYS

3      4      5      8      23      23      23      23

CENSORED DEATH DAYS

none

---

DOSE = 4.0 G/KG

TOTAL 10

UNCENSORED DEATHS 10

CENSORED DEATHS 0

TERMINAL 0

UNCENSORED DEATH DAYS

2      2      2      2      2      2      2      2      3      3

CENSORED DEATH DAYS

none

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Female 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 G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.25 G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.5 G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1.0 G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2.0 G/KG	60.0	60.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
4.0 G/KG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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

Female MOUSE  
FIRST TERMINAL SACRIFICE AT 93 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/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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**Lab:** BAT

**Female MOUSE**  
**FIRST TERMINAL SACRIFICE AT 93 DAYS**

**SURVIVAL SUMMARY STATISTICS**

<b>DOSE</b>	<b>2.0 G/KG</b>	<b>4.0 G/KG</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	20.0%	0.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.002	P=0.000
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	14.0 (3.4)	2.2 (0.1)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	29.8 (10.9)	2.2 (0.1)

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

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