

**Experiment Number:** 20007 - 02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** MICE/B6C3F1

**P11: STATISTICAL ANALYSIS OF SURVIVAL DATA**

Kava kava extract  
**CAS Number:** 9000-38-8

**Date Report Requested:** 09/15/2016  
**Time Report Requested:** 15:39:43  
**First Dose M/F:** 02/18/03 / 02/18/03  
**Lab:** BAT

**NTP Study Number:** C20007  
**Lock Date:** 04/22/2003  
**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 18 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

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**DOSE = 0 G/KG**

TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

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**DOSE = 0.125 G/KG**

TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

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**DOSE = 0.25 G/KG**

TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

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**DOSE = 0.5 G/KG**

TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

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**MALE MICE**

FIRST TERMINAL SACRIFICE AT 18 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

---

**DOSE = 1.0 G/KG**

TOTAL 5

UNCENSORED DEATHS 0

CENSORED DEATHS 0

TERMINAL 5

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

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**DOSE = 2.0 G/KG**

TOTAL 5

UNCENSORED DEATHS 2

CENSORED DEATHS 0

TERMINAL 3

UNCENSORED DEATH DAYS

2 3

CENSORED DEATH DAYS

None

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Lab: BAT

MALE MICE

FIRST TERMINAL SACRIFICE AT 18 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	2	4	6	8	10	12	14	16	18(A)	18(A)
0 G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.125 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	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0

(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)

Experiment Number: 20007 - 02

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Lab: BAT

MALE MICE

FIRST TERMINAL SACRIFICE AT 18 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 G/KG	0.125 G/KG	0.25 G/KG	0.5 G/KG
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=0.017	----	----	----
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	(.)	(.)	(.)	(.)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	18.0 (0.0)	18.0 (0.0)	18.0 (0.0)	18.0 (0.0)

  

DOSE	1.0 G/KG	2.0 G/KG
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	100.0%	60.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	----	P=0.431
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	(.)	2.5 (0.5)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	18.0 (0.0)	11.8 (3.8)

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Lab: BAT

**FEMALE MICE**

FIRST TERMINAL SACRIFICE AT 18 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

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**DOSE = 0 G/KG**

TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

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**DOSE = 0.125 G/KG**

TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

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**DOSE = 0.25 G/KG**

TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

---

**DOSE = 0.5 G/KG**

TOTAL 5	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 5
UNCENSORED DEATH DAYS			
None			
CENSORED DEATH DAYS			
None			

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FIRST TERMINAL SACRIFICE AT 18 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

---

**DOSE = 1.0 G/KG**

TOTAL 5                      UNCENSORED DEATHS 0                      CENSORED DEATHS 0                      TERMINAL 5

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

---

**DOSE = 2.0 G/KG**

TOTAL 5                      UNCENSORED DEATHS 0                      CENSORED DEATHS 0                      TERMINAL 5

UNCENSORED DEATH DAYS

None

CENSORED DEATH DAYS

None

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DOSE	TIME (DAYS)									
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0 G/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0.125 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	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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SURVIVAL SUMMARY STATISTICS

DOSE	0 G/KG	0.125 G/KG	0.25 G/KG	0.5 G/KG
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	----	----	----	----
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	(.)	(.)	(.)	(.)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	18.0 (0.0)	18.0 (0.0)	18.0 (0.0)	18.0 (0.0)

  

DOSE	1.0 G/KG	2.0 G/KG
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	100.0%	100.0%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	----	----
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	(.)	(.)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	18.0 (0.0)	18.0 (0.0)

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

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