

Experiment Number: 00058 - 04

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: MICE/B6C3F1/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Black Cohosh

CAS Number: 84776-26-1

Date Report Requested: 12/10/2020

Time Report Requested: 11:32:38

First Dose M/F: NA / 04/09/12

Lab: BAT

FEMALE MICE

FIRST TERMINAL SACRIFICE AT 729 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 1000 mg/kg

TOTAL 50

UNCENSORED DEATHS 12

CENSORED DEATHS 0

TERMINAL 38

UNCENSORED DEATH DAYS

171 382 470 548 589 610 666 666 691 695 705 716

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	92.0	90.0	88.0	80.0
30 mg/kg	100.0	100.0	100.0	100.0	100.0	100.0	98.0	94.0	90.0	80.0
100 mg/kg	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	96.0	88.0
300 mg/kg	100.0	100.0	100.0	100.0	100.0	98.0	98.0	96.0	85.8	79.6
1000 mg/kg	100.0	98.0	98.0	98.0	96.0	94.0	94.0	90.0	88.0	76.0

(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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FIRST TERMINAL SACRIFICE AT 729 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 mg/kg	30 mg/kg	100 mg/kg	300 mg/kg
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	80.0%	80.0%	88.0%	79.6%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.389	P=1.000N	P=0.393N	P=1.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	599.9 (32.6)	658.0 (22.4)	661.5 (13.6)	634.9 (21.2)
MEAN LIFE SPAN (D) (STANDARD ERROR)	703.2 (9.7)	714.8 (5.9)	720.9 (3.5)	707.0 (7.3)

DOSE	1000 mg/kg
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	76.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.785
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	575.8 (47.3)
MEAN LIFE SPAN (D) (STANDARD ERROR)	692.2 (14.4)

*** END OF REPORT ***

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

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