

Experiment Number: 97011-23
Test Type: 26-WEEK
Route: SKIN APPLICATION
Species/Strain: Mouse/FVB/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
Test Compound: Transgenic model evaluation (Melphalan)
CAS Number: 148-82-3

Date Report Requested: 10/20/2014
Time Report Requested: 04:53:28
First Dose M/F: NA / NA
Lab: MBA

C Number: C97011C
Lock Date: 07/21/2000
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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Male MOUSE
FIRST TERMINAL SACRIFICE AT 186 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = VEHICLE CONTROL

TOTAL 15 UNCENSORED DEATHS 1 CENSORED DEATHS 0 TERMINAL 14

UNCENSORED DEATH DAYS

144

CENSORED DEATH DAYS

none

DOSE = 4.0 MG/KG

TOTAL 15 UNCENSORED DEATHS 5 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

133 145 148 173 182

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 186 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	19	38	57	76	95	114	133	152	171	186(A)
VEHICLE CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.3	93.3	93.3
4.0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	93.3	80.0	80.0	66.7

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Male MOUSE
FIRST TERMINAL SACRIFICE AT 186 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	VEHICLE CONTROL	4.0 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	93.3%	66.7%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.181	P=0.181
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	144.0 (.)	156.2 (9.2)
MEAN LIFE SPAN (D) (STANDARD ERROR)	183.2 (2.8)	176.1 (4.7)

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Female MOUSE
FIRST TERMINAL SACRIFICE AT 185 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = VEHICLE CONTROL

TOTAL 15 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 15

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 4.0 MG/KG

TOTAL 15 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 15

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

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KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	19	38	57	76	95	114	133	152	171	185(A)
VEHICLE CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
4.0 MG/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	VEHICLE CONTROL	4.0 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	-----	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	.	.
	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	185.0	185.0
	(0.0)	(0.0)

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**** END OF REPORT ****

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