

Experiment Number: 97011-13
Test Type: 18-33 DAYS
Route: GAVAGE
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: 04:57:52
First Dose M/F: NA / NA
Lab: MBA

C Number:	C97011M
Lock Date:	03/31/1999
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 30 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = VEHICLE CONTROL

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 1.0 MG/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 2.0 MG/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 4.0 MG/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: MBA

Male MOUSE
FIRST TERMINAL SACRIFICE AT 30 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 8.0 MG/KG									
TOTAL 10		UNCENSORED DEATHS 1			CENSORED DEATHS 0			TERMINAL 9	
UNCENSORED DEATH DAYS									
24									
CENSORED DEATH DAYS									
none									

DOSE = 16.0 MG/KG									
TOTAL 10		UNCENSORED DEATHS 8			CENSORED DEATHS 0			TERMINAL 2	
UNCENSORED DEATH DAYS									
9	10	14	24	26	26	26	29		
CENSORED DEATH DAYS									
none									

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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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Lab: MBA

Male MOUSE
FIRST TERMINAL SACRIFICE AT 30 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	3	6	9	12	15	18	21	24	27	30(A)
VEHICLE CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1.0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2.0 MG/KG	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
8.0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	90.0	90.0	90.0
16.0 MG/KG	100.0	100.0	90.0	80.0	70.0	70.0	70.0	60.0	30.0	20.0

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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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Lab: MBA

Male MOUSE
FIRST TERMINAL SACRIFICE AT 30 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	VEHICLE CONTROL	1.0 MG/KG	2.0 MG/KG	4.0 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)	30.0 (0.0)	30.0 (0.0)	30.0 (0.0)	30.0 (0.0)

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Lab: MBA

Male MOUSE
FIRST TERMINAL SACRIFICE AT 30 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	8.0 MG/KG	16.0 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	90.0%	20.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=1.000	P=0.001
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	24.0 (.)	20.5 (2.9)
MEAN LIFE SPAN (D) (STANDARD ERROR)	29.4 (0.6)	22.4 (2.6)

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Lab: MBA

Female MOUSE
FIRST TERMINAL SACRIFICE AT 30 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = VEHICLE CONTROL			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

DOSE = 1.0 MG/KG			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

DOSE = 2.0 MG/KG			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

DOSE = 4.0 MG/KG			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

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Lab: MBA

Female MOUSE
FIRST TERMINAL SACRIFICE AT 30 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 8.0 MG/KG

TOTAL 10 UNCENSORED DEATHS 0 CENSORED DEATHS 0 TERMINAL 10

UNCENSORED DEATH DAYS

none

CENSORED DEATH DAYS

none

DOSE = 16.0 MG/KG

TOTAL 10 UNCENSORED DEATHS 2 CENSORED DEATHS 0 TERMINAL 8

UNCENSORED DEATH DAYS

7 8

CENSORED DEATH DAYS

none

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KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	3	6	9	12	15	18	21	24	27	30(A)
VEHICLE CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1.0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2.0 MG/KG	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
8.0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
16.0 MG/KG	100.0	100.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0

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Female MOUSE
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SURVIVAL SUMMARY STATISTICS

DOSE	VEHICLE CONTROL	1.0 MG/KG	2.0 MG/KG	4.0 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.020	-----	-----	-----
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)
	(.)	(.)	(.)	(.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	30.0	30.0	30.0	30.0
	(0.0)	(0.0)	(0.0)	(0.0)

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Female MOUSE
FIRST TERMINAL SACRIFICE AT 30 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	8.0 MG/KG	16.0 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	80.0%
SIGNIFICANCE (B) (LIFE TABLE)	-----	P=0.456
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	. (.)	7.5 (0.5)
MEAN LIFE SPAN (D) (STANDARD ERROR)	30.0 (0.0)	25.5 (3.0)

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**** END OF REPORT ****

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