

**Experiment Number:** 97011-25  
**Test Type:** 26-WEEK  
**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:** 04:55:40  
**First Dose M/F:** NA / NA  
**Lab:** MBA

<b>C Number:</b>	C97011D
<b>Lock Date:</b>	07/21/2000
<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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**Lab:** MBA

**Male MOUSE**  
**FIRST TERMINAL SACRIFICE AT 187 DAYS**  
**INDIVIDUAL SURVIVAL TIMES (DAYS)**

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**DOSE = VEHICLE CONTROL**

TOTAL 15                      UNCENSORED DEATHS 1                      CENSORED DEATHS 0                      TERMINAL 14

**UNCENSORED DEATH DAYS**

169

**CENSORED DEATH DAYS**

none

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**DOSE = 4.0 MG/KG**

TOTAL 15                      UNCENSORED DEATHS 1                      CENSORED DEATHS 0                      TERMINAL 14

**UNCENSORED DEATH DAYS**

148

**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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**Male MOUSE**  
**FIRST TERMINAL SACRIFICE AT 187 DAYS**

**KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)**

DOSE	TIME (DAYS)									
	19	38	57	76	95	114	133	152	171	187(A)
VEHICLE CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.3	93.3
4.0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	93.3	93.3	93.3

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**Male MOUSE**  
**FIRST TERMINAL SACRIFICE AT 187 DAYS**

**SURVIVAL SUMMARY STATISTICS**

<b>DOSE</b>	<b>VEHICLE CONTROL</b>	<b>4.0 MG/KG</b>
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	93.3%	93.3%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=1.000	P=1.000
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	169.0 (.)	148.0 (.)
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	185.8 (1.2)	184.4 (2.6)

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**Lab:** MBA

**Female MOUSE**  
**FIRST TERMINAL SACRIFICE AT 186 DAYS**  
**INDIVIDUAL SURVIVAL TIMES (DAYS)**

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**DOSE = VEHICLE CONTROL**

TOTAL 15                      UNCENSORED DEATHS 0                      CENSORED DEATHS 0                      TERMINAL 15

**UNCENSORED DEATH DAYS**

none

**CENSORED DEATH DAYS**

none

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**DOSE = 4.0 MG/KG**

TOTAL 15                      UNCENSORED DEATHS 1                      CENSORED DEATHS 0                      TERMINAL 14

**UNCENSORED DEATH DAYS**

84

**CENSORED DEATH DAYS**

none

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Female MOUSE  
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	100.0	100.0	100.0
4.0 MG/KG	100.0	100.0	100.0	100.0	93.3	93.3	93.3	93.3	93.3	93.3

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Female MOUSE  
FIRST TERMINAL SACRIFICE AT 186 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	VEHICLE CONTROL	4.0 MG/KG
<b>SURVIVAL AT END OF STUDY</b> (KAPLAN-MEIER)	100.0%	93.3%
<b>SIGNIFICANCE (B)</b> (LIFE TABLE)	P=1.000	P=1.000
<b>MEAN DAY OF NATURAL DEATHS (C)</b> (STANDARD ERROR)	.	84.0
<b>MEAN LIFE SPAN (D)</b> (STANDARD ERROR)	(.)	(.)
	186.0	179.2
	(0.0)	(6.8)

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

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