

Experiment Number: 91005-02
Test Type: 18-33 DAYS
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
Test Compound: Methylene blue trihydrate
CAS Number: 7220-79-3

Date Report Requested: 10/21/2014
Time Report Requested: 08:54:54
First Dose M/F: NA / NA
Lab: BAT

C Number:	C91005
Lock Date:	12/16/1992
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 = 0 G/KG										
TOTAL 10			UNCENSORED DEATHS 0			CENSORED DEATHS 0			TERMINAL 10	
UNCENSORED DEATH DAYS										
none										
CENSORED DEATH DAYS										
none										
DOSE = 0.125 G/KG										
TOTAL 10			UNCENSORED DEATHS 0			CENSORED DEATHS 0			TERMINAL 10	
UNCENSORED DEATH DAYS										
none										
CENSORED DEATH DAYS										
none										
DOSE = 0.25 G/KG										
TOTAL 10			UNCENSORED DEATHS 2			CENSORED DEATHS 0			TERMINAL 8	
UNCENSORED DEATH DAYS										
6		13								
CENSORED DEATH DAYS										
none										
DOSE = 0.5 G/KG										
TOTAL 10			UNCENSORED DEATHS 10			CENSORED DEATHS 0			TERMINAL 0	
UNCENSORED DEATH DAYS										
6		7	8	8	8	9	9	9	9	9
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 30 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 1.0 G/KG									
TOTAL 10			UNCENSORED DEATHS 10			CENSORED DEATHS 0			TERMINAL 0
UNCENSORED DEATH DAYS									
3	3	4	4	5	5	5	5	6	7
CENSORED DEATH DAYS									
none									

DOSE = 2.0 G/KG									
TOTAL 10			UNCENSORED DEATHS 10			CENSORED DEATHS 0			TERMINAL 0
UNCENSORED DEATH DAYS									
2	2	2	3	3	3	3	3	3	4
CENSORED DEATH DAYS									
none									

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- (C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE
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Lab: BAT

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)
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	90.0	90.0	90.0	80.0	80.0	80.0	80.0	80.0	80.0
0.5 G/KG	100.0	90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0 G/KG	80.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.0 G/KG	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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First Dose M/F: NA / NA
Lab: BAT

Male MOUSE
FIRST TERMINAL SACRIFICE AT 30 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 G/KG	0.125 G/KG	0.25 G/KG	0.5 G/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	80.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.000	----	P=0.456	P=0.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	.	.	9.5	8.2
	(.)	(.)	(3.5)	(0.3)
MEAN LIFE SPAN (D) (STANDARD ERROR)	30.0	30.0	25.9	8.2
	(0.0)	(0.0)	(2.8)	(0.3)

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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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First Dose M/F: NA / NA
Lab: BAT

Male MOUSE
FIRST TERMINAL SACRIFICE AT 30 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	1.0 G/KG	2.0 G/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	0.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.000	P=0.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	4.7 (0.4)	2.8 (0.2)
MEAN LIFE SPAN (D) (STANDARD ERROR)	4.7 (0.4)	2.8 (0.2)

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First Dose M/F: NA / NA
Lab: BAT

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

DOSE = 0 G/KG									
TOTAL 10		UNCENSORED DEATHS 0			CENSORED DEATHS 0			TERMINAL 10	
UNCENSORED DEATH DAYS									
none									
CENSORED DEATH DAYS									
none									
DOSE = 0.125 G/KG									
TOTAL 10		UNCENSORED DEATHS 0			CENSORED DEATHS 0			TERMINAL 10	
UNCENSORED DEATH DAYS									
none									
CENSORED DEATH DAYS									
none									
DOSE = 0.25 G/KG									
TOTAL 10		UNCENSORED DEATHS 2			CENSORED DEATHS 0			TERMINAL 8	
UNCENSORED DEATH DAYS									
16	18								
CENSORED DEATH DAYS									
none									
DOSE = 0.5 G/KG									
TOTAL 10		UNCENSORED DEATHS 10			CENSORED DEATHS 0			TERMINAL 0	
UNCENSORED DEATH DAYS									
7	8	8	8	8	8	8	8	8	8
CENSORED DEATH DAYS									
none									

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

DOSE = 1.0 G/KG									
TOTAL 10			UNCENSORED DEATHS 10			CENSORED DEATHS 0			TERMINAL 0
UNCENSORED DEATH DAYS									
5	6	7	7	7	7	8	8	8	8
CENSORED DEATH DAYS									
none									

DOSE = 2.0 G/KG									
TOTAL 10			UNCENSORED DEATHS 10			CENSORED DEATHS 0			TERMINAL 0
UNCENSORED DEATH DAYS									
2	2	2	3	3	3	3	3	4	4
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)
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	80.0	80.0	80.0	80.0	80.0
0.5 G/KG	100.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0 G/KG	100.0	80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2.0 G/KG	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Female MOUSE
 FIRST TERMINAL SACRIFICE AT 30 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 G/KG	0.125 G/KG	0.25 G/KG	0.5 G/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	100.0%	100.0%	80.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.000	----	P=0.456	P=0.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	.	.	17.0	7.9
	(.)	(.)	(1.0)	(0.1)
MEAN LIFE SPAN (D) (STANDARD ERROR)	30.0	30.0	27.4	7.9
	(0.0)	(0.0)	(1.7)	(0.1)

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Female MOUSE
FIRST TERMINAL SACRIFICE AT 30 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	1.0 G/KG	2.0 G/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	0.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.000	P=0.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	7.1 (0.3)	2.9 (0.2)
MEAN LIFE SPAN (D) (STANDARD ERROR)	7.1 (0.3)	2.9 (0.2)

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**** END OF REPORT ****

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