

Experiment Number: 05121-08
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
Test Compound: Scopolamine hydrobromide trihydrate
CAS Number: 6533-68-2

Date Report Requested: 10/16/2014
Time Report Requested: 06:22:54
First Dose M/F: NA / NA
Lab: BAT

C Number: C03098C
Lock Date: 05/13/1992
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date: 03/13/1995

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Male MOUSE
FIRST TERMINAL SACRIFICE AT 722 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 MG/KG 104/WEEK									
TOTAL 60		UNCENSORED DEATHS 1			CENSORED DEATHS 10			TERMINAL 49	
UNCENSORED DEATH DAYS									
515									
CENSORED DEATH DAYS									
456	456	456	456	456	456	456	456	456	456
DOSE = 0 MG/KG 20%/36M									
TOTAL 50		UNCENSORED DEATHS 2			CENSORED DEATHS 0			TERMINAL 28	
UNCENSORED DEATH DAYS									
108		620							
CENSORED DEATH DAYS									
none									
DOSE = 25 MG/KG104/WEEK									
TOTAL 60		UNCENSORED DEATHS 2			CENSORED DEATHS 10			TERMINAL 48	
UNCENSORED DEATH DAYS									
63		502							
CENSORED DEATH DAYS									
456	456	456	456	456	456	456	456	456	456
DOSE = 25 MG/KG20%/36M									
TOTAL 50		UNCENSORED DEATHS 1			CENSORED DEATHS 0			TERMINAL 37	
UNCENSORED DEATH DAYS									
214									
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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KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	722(A)
0 MG/KG 104/WEEK	100.0	100.0	100.0	100.0	100.0	100.0	98.0	98.0	98.0	98.0
0 MG/KG 20%/36M	100.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	96.0	96.0
25 MG/KG104/WEEK	98.3	98.3	98.3	98.3	98.3	98.3	96.3	96.3	96.3	96.3
25 MG/KG20%/36M	100.0	100.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

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FIRST TERMINAL SACRIFICE AT 722 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 MG/KG 104/WEEK	0 MG/KG 20%/36M	25 MG/KG104/WEEK	25 MG/KG20%/36M
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	98.0%	96.0%	96.3%	98.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=1.000N	-----	P=0.986	P=1.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	515.0 (.)	364.0 (256.0)	282.5 (219.5)	214.0 (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	674.2 (13.2)	698.1 (20.6)	663.0 (16.7)	708.6 (13.4)

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Female MOUSE
FIRST TERMINAL SACRIFICE AT 723 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 MG/KG 104/WEEK										
TOTAL 60			UNCENSORED DEATHS 3			CENSORED DEATHS 10			TERMINAL 47	
UNCENSORED DEATH DAYS										
492	562	628								
CENSORED DEATH DAYS										
456	456	456	456	456	456	456	456	456	456	456
DOSE = 0 MG/KG 20%/36M										
TOTAL 50			UNCENSORED DEATHS 5			CENSORED DEATHS 0			TERMINAL 20	
UNCENSORED DEATH DAYS										
537	555	555	611	673						
CENSORED DEATH DAYS										
none										
DOSE = 25 MG/KG104/WEEK										
TOTAL 60			UNCENSORED DEATHS 5			CENSORED DEATHS 11			TERMINAL 44	
UNCENSORED DEATH DAYS										
400	538	597	644	666						
CENSORED DEATH DAYS										
378	456	456	456	456	456	456	456	456	456	456
DOSE = 25 MG/KG20%/36M										
TOTAL 50			UNCENSORED DEATHS 5			CENSORED DEATHS 0			TERMINAL 19	
UNCENSORED DEATH DAYS										
13	561	679	699	703						
CENSORED DEATH DAYS										
none										

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KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	723(A)
0 MG/KG 104/WEEK	100.0	100.0	100.0	100.0	100.0	100.0	98.0	96.0	94.0	94.0
0 MG/KG 20%/36M	100.0	100.0	100.0	100.0	100.0	100.0	98.0	94.0	92.0	90.0
25 MG/KG104/WEEK	100.0	100.0	100.0	100.0	98.3	98.3	96.3	94.2	92.2	90.1
25 MG/KG20%/36M	98.0	98.0	98.0	98.0	98.0	98.0	98.0	96.0	96.0	90.0

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SURVIVAL SUMMARY STATISTICS

DOSE	0 MG/KG 104/WEEK	0 MG/KG 20%/36M	25 MG/KG104/WEEK	25 MG/KG20%/36M
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	94.0%	90.0%	90.1%	90.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.769	-----	P=0.691	P=0.120
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	560.7 (39.3)	586.2 (25.0)	569.0 (47.6)	531.0 (132.1)
MEAN LIFE SPAN (D) (STANDARD ERROR)	670.4 (13.4)	695.6 (12.1)	659.9 (14.6)	683.0 (29.9)

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