

Experiment Number: 50215-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Acrylonitrile
CAS Number: 107-13-1

Date Report Requested: 10/22/2014
Time Report Requested: 06:44:41
First Dose M/F: NA / NA
Lab: BAT

C Number:	C50215B
Lock Date:	05/17/1996
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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Lab: BAT

Male MOUSE
FIRST TERMINAL SACRIFICE AT 92 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 MG/KG			
TOTAL 10	UNCENSORED DEATHS 1	CENSORED DEATHS 0	TERMINAL 9
UNCENSORED DEATH DAYS			
63			
CENSORED DEATH DAYS			
none			
<hr/>			
DOSE = 5 MG/KG			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
<hr/>			
DOSE = 10 MG/KG			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
<hr/>			
DOSE = 20 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: BAT

Male MOUSE
FIRST TERMINAL SACRIFICE AT 92 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 40 MG/KG									
TOTAL 10			UNCENSORED DEATHS 9			CENSORED DEATHS 0			TERMINAL 1
UNCENSORED DEATH DAYS									
1	1	1	1	1	1	1	1	4	
CENSORED DEATH DAYS									
none									

DOSE = 60 MG/KG									
TOTAL 10			UNCENSORED DEATHS 10			CENSORED DEATHS 0			TERMINAL 0
UNCENSORED DEATH DAYS									
1	1	1	1	1	1	1	1	1	1
CENSORED DEATH DAYS									
none									

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(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

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Lab: BAT

Male MOUSE
FIRST TERMINAL SACRIFICE AT 92 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	10	20	30	40	50	60	70	80	90	92(A)
0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	90.0	90.0	90.0	90.0
5 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
20 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
40 MG/KG	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
60 MG/KG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(A) FIRST TERMINAL SACRIFICE

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(C) MEAN OF ALL UNCENSORED DEATHS PRIOR TO TERMINAL SACRIFICE

(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Experiment Number: 50215-01
Test Type: 90-DAY
Route: GAVAGE
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Date Report Requested: 10/22/2014
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First Dose M/F: NA / NA
Lab: BAT

Male MOUSE
FIRST TERMINAL SACRIFICE AT 92 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 MG/KG	5 MG/KG	10 MG/KG	20 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	90.0%	100.0%	100.0%	100.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.000	P=1.000N	P=1.000N	P=1.000N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	63.0 (.)	. (.)	. (.)	. (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	89.1 (2.9)	92.0 (0.0)	92.0 (0.0)	92.0 (0.0)

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(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Experiment Number: 50215-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
Test Compound: Acrylonitrile
CAS Number: 107-13-1

Date Report Requested: 10/22/2014
Time Report Requested: 06:44:41
First Dose M/F: NA / NA
Lab: BAT

Male MOUSE
FIRST TERMINAL SACRIFICE AT 92 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	40 MG/KG	60 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	10.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.000	P=0.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	1.3 (0.3)	1.0 (.)
MEAN LIFE SPAN (D) (STANDARD ERROR)	10.4 (9.1)	1.0 (0.0)

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(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Experiment Number: 50215-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
Test Compound: Acrylonitrile
CAS Number: 107-13-1

Date Report Requested: 10/22/2014
Time Report Requested: 06:44:41
First Dose M/F: NA / NA
Lab: BAT

Female MOUSE
FIRST TERMINAL SACRIFICE AT 92 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

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

DOSE = 5 MG/KG			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

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

DOSE = 20 MG/KG			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

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(D) MEAN OF ALL DEATHS (UNCENSORED, CENSORED, TERMINAL SACRIFICE)

Experiment Number: 50215-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Test Compound: Acrylonitrile
CAS Number: 107-13-1

Date Report Requested: 10/22/2014
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First Dose M/F: NA / NA
Lab: BAT

Female MOUSE
FIRST TERMINAL SACRIFICE AT 92 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 40 MG/KG									
TOTAL 10			UNCENSORED DEATHS 3			CENSORED DEATHS 0			TERMINAL 7
UNCENSORED DEATH DAYS									
1	1	1							
CENSORED DEATH DAYS									
none									

DOSE = 60 MG/KG									
TOTAL 10			UNCENSORED DEATHS 10			CENSORED DEATHS 0			TERMINAL 0
UNCENSORED DEATH DAYS									
1	1	1	1	1	1	1	1	1	2
CENSORED DEATH DAYS									
none									

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Experiment Number: 50215-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
Test Compound: Acrylonitrile
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First Dose M/F: NA / NA
Lab: BAT

Female MOUSE
FIRST TERMINAL SACRIFICE AT 92 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)

DOSE	TIME (DAYS)									
	10	20	30	40	50	60	70	80	90	92(A)
0 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
5 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
20 MG/KG	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
40 MG/KG	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
60 MG/KG	0.0	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

Female MOUSE
FIRST TERMINAL SACRIFICE AT 92 DAYS

SURVIVAL SUMMARY STATISTICS

DOSE	0 MG/KG	5 MG/KG	10 MG/KG	20 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)	92.0 (0.0)	92.0 (0.0)	92.0 (0.0)	92.0 (0.0)

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

**Female MOUSE
FIRST TERMINAL SACRIFICE AT 92 DAYS**

SURVIVAL SUMMARY STATISTICS

DOSE	40 MG/KG	60 MG/KG
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	70.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.222	P=0.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	1.0 (.)	1.1 (0.1)
MEAN LIFE SPAN (D) (STANDARD ERROR)	64.7 (13.9)	1.1 (0.1)

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Species/Strain: Mouse/B6C3F1

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Test Compound: Acrylonitrile

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First Dose M/F: NA / NA

Lab: BAT

**** END OF REPORT ****

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