

Experiment Number: 88124-02
Test Type: 90-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Mouse/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
Test Compound: Indium phosphide
CAS Number: 22398-80-7

Date Report Requested: 10/20/2014
Time Report Requested: 04:23:43
First Dose M/F: NA / NA
Lab: BNW

C Number:	C88124
Lock Date:	01/24/1996
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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Male MOUSE
 FIRST TERMINAL SACRIFICE AT 96 DAYS
 INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = CONTROL			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
DOSE = 1.0 MG/M3			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
DOSE = 3.0 MG/M3			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
DOSE = 10.0 MG/M3			
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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Male MOUSE FIRST TERMINAL SACRIFICE AT 96 DAYS INDIVIDUAL SURVIVAL TIMES (DAYS)									
<hr/>									
DOSE = 30.0 MG/M3									
TOTAL 10		UNCENSORED DEATHS 1				CENSORED DEATHS 0			TERMINAL 9
UNCENSORED DEATH DAYS									
91									
CENSORED DEATH DAYS									
none									
<hr/>									
DOSE = 100.0 MG/M3									
TOTAL 10		UNCENSORED DEATHS 10				CENSORED DEATHS 0			TERMINAL 0
UNCENSORED DEATH DAYS									
47	47	51	53	53	56	60	61	63	73
CENSORED DEATH DAYS									
none									

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First Dose M/F: NA / NA

Lab: BNW

**Male MOUSE
FIRST TERMINAL SACRIFICE AT 96 DAYS**

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	10	20	30	40	50	60	70	80	90	96(A)
CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1.0 MG/M3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3.0 MG/M3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10.0 MG/M3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30.0 MG/M3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	90.0
100.0 MG/M3	100.0	100.0	100.0	100.0	80.0	30.0	10.0	0.0	0.0	0.0

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

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

Male MOUSE FIRST TERMINAL SACRIFICE AT 96 DAYS				
SURVIVAL SUMMARY STATISTICS				
DOSE	CONTROL	1.0 MG/M3	3.0 MG/M3	10.0 MG/M3
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)	96.0 (0.0)	96.0 (0.0)	96.0 (0.0)	96.0 (0.0)

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

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

Male MOUSE FIRST TERMINAL SACRIFICE AT 96 DAYS		
SURVIVAL SUMMARY STATISTICS		
DOSE	30.0 MG/M3	100.0 MG/M3
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	90.0%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=1.000	P=0.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	91.0 (.)	56.4 (2.5)
MEAN LIFE SPAN (D) (STANDARD ERROR)	95.5 (0.5)	56.4 (2.5)

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Lab: BNW

Female MOUSE
 FIRST TERMINAL SACRIFICE AT 96 DAYS
 INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = CONTROL			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
DOSE = 1.0 MG/M3			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
DOSE = 3.0 MG/M3			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			
DOSE = 10.0 MG/M3			
TOTAL 10	UNCENSORED DEATHS 0	CENSORED DEATHS 0	TERMINAL 10
UNCENSORED DEATH DAYS			
none			
CENSORED DEATH DAYS			
none			

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Female MOUSE																
FIRST TERMINAL SACRIFICE AT 96 DAYS																
INDIVIDUAL SURVIVAL TIMES (DAYS)																
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DOSE = 30.0 MG/M3																
TOTAL 10			UNCENSORED DEATHS 3			CENSORED DEATHS 1			TERMINAL 6							
UNCENSORED DEATH DAYS																
76	80	94														
CENSORED DEATH DAYS																
24																
<hr/>																
DOSE = 100.0 MG/M3																
TOTAL 10			UNCENSORED DEATHS 10			CENSORED DEATHS 0			TERMINAL 0							
UNCENSORED DEATH DAYS																
57	57	57	58	59	60	60	61	62	63							
CENSORED DEATH DAYS																
none																

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**Female MOUSE
FIRST TERMINAL SACRIFICE AT 96 DAYS**

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	10	20	30	40	50	60	70	80	90	96(A)
CONTROL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1.0 MG/M3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
3.0 MG/M3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10.0 MG/M3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
30.0 MG/M3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	77.8	77.8	66.7
100.0 MG/M3	100.0	100.0	100.0	100.0	100.0	30.0	0.0	0.0	0.0	0.0

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

Female MOUSE FIRST TERMINAL SACRIFICE AT 96 DAYS				
SURVIVAL SUMMARY STATISTICS				
DOSE	CONTROL	1.0 MG/M3	3.0 MG/M3	10.0 MG/M3
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)	96.0 (0.0)	96.0 (0.0)	96.0 (0.0)	96.0 (0.0)

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

Female MOUSE FIRST TERMINAL SACRIFICE AT 96 DAYS		
SURVIVAL SUMMARY STATISTICS		
DOSE	30.0 MG/M3	100.0 MG/M3
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	66.7%	0.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.173	P=0.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	83.3 (5.5)	59.4 (0.7)
MEAN LIFE SPAN (D) (STANDARD ERROR)	85.0 (7.2)	59.4 (0.7)

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