

Experiment Number: 20712 - 04
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: MICE/B6C3F1/N

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA

Tris(Chloropropyl)phosphate

CAS Number: 13674-84-5

Date Report Requested: 03/05/2020

Time Report Requested: 14:47:10

First Dose M/F: 10/25/11 / 10/24/11

Lab: BAT

Final 1 _Mice

NTP Study Number: C20712
Lock Date: 02/26/2018
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: NONE

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MALE MICE

FIRST TERMINAL SACRIFICE AT 731 DAYS

KAPLAN-MEIER SURVIVAL PROBABILITY ESTIMATES (%)										
DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	731(A)
0 ppm males	100.0	100.0	100.0	100.0	100.0	98.0	94.0	90.0	80.0	78.0
1250 ppm males	100.0	100.0	100.0	100.0	98.0	98.0	96.0	94.0	92.0	88.0
2500 ppm males	100.0	100.0	100.0	100.0	100.0	98.0	98.0	94.0	88.0	84.0
5000 ppm males	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	98.0	88.0

(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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FIRST TERMINAL SACRIFICE AT 731 DAYS

SURVIVAL SUMMARY STATISTICS				
DOSE	0 ppm males	1250 ppm males	2500 ppm males	5000 ppm males
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	78.0%	88.0%	84.0%	88.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.284N	P=0.266N	P=0.575N	P=0.225N
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	593.8 (23.3)	602.5 (47.7)	613.5 (24.5)	677.3 (19.0)
MEAN LIFE SPAN (D) (STANDARD ERROR)	700.8 (9.5)	715.6 (8.0)	712.2 (7.2)	724.6 (3.3)

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FEMALE MICE

FIRST TERMINAL SACRIFICE AT 729 DAYS

INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 ppm females

TOTAL 50 UNCENSORED DEATHS 4 CENSORED DEATHS 0 TERMINAL 46

UNCENSORED DEATH DAYS

639 695 700 716

CENSORED DEATH DAYS

None

DOSE = 2500 ppm females

TOTAL 50 UNCENSORED DEATHS 7 CENSORED DEATHS 0 TERMINAL 43

UNCENSORED DEATH DAYS

330 507 577 644 659 689 725

CENSORED DEATH DAYS

None

DOSE = 5000ppm females

TOTAL 50 UNCENSORED DEATHS 5 CENSORED DEATHS 0 TERMINAL 45

UNCENSORED DEATH DAYS

606 645 652 690 728

CENSORED DEATH DAYS

None

DOSE = 10000ppm females

TOTAL 50 UNCENSORED DEATHS 4 CENSORED DEATHS 0 TERMINAL 46

UNCENSORED DEATH DAYS

633 638 649 674

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	729(A)
0 ppm females	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	92.0
2500 ppm females	100.0	100.0	100.0	98.0	98.0	98.0	96.0	94.0	90.0	86.0
5000ppm females	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.0	90.0
10000ppm females	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	94.0	92.0

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SURVIVAL SUMMARY STATISTICS				
DOSE	0 ppm females	2500 ppm females	5000ppm females	10000ppm females
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	92.0%	86.0%	90.0%	92.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.890N	P=0.486	P=0.972	P=1.000
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	687.5 (16.8)	590.1 (51.3)	664.2 (20.8)	648.5 (9.1)
MEAN LIFE SPAN (D) (STANDARD ERROR)	725.7 (2.0)	709.6 (9.6)	722.5 (3.4)	722.6 (3.2)

*** END OF REPORT ***

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