

TDMS No. 99027-04
Test Type: CHRONIC
Route: DOSED FEED
Species/Strain: MICE/B6C3F1

P11: STATISTICAL ANALYSIS OF SURVIVAL DATA
CHROMIUM PICOLINATE MONOHYDRATE
CAS Number: 27882-76-4
Pathologist: HEATH, J. - Blackshear, P. - Unknown, U.
F1_M3

Date Report Requested: 09/26/2006
Time Report Requested: 8:27:17
First Dose M/F: 07/29/02 / 07/29/02
Lab: SRI

C Number:	C99027		
Lock Date:	05/03/2005		
Cage Range:	1 - 9999		
Date Range:	1-JAN-1940 to 17-SEP-2040		
Reasons For Removal:	25021 Terminal Sacrifice	25020 Natural Death	25019 Moribund Sacrifice
Removal Date Range:	JAN /1 /1940 - SEP /17 /2040		
Treatment Groups:	Include 1 0 PPM	Include 2 0 PPM	Include 3 2000 PPM
	Include 4 2000 PPM	Include 5 10000 PPM	Include 6 10000 PPM
	Include 7 50000 PPM	Include 8 50000 PPM	

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MALE MICE

FIRST TERMINAL SACRIFICE AT 729 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 PPM

TOTAL 50	UNCENSORED DEATHS 4	CENSORED DEATHS 0	TERMINAL 46
UNCENSORED DEATHS 283 600 618	695		
CENSORED DEATHS None			

DOSE = 2000 PPM

TOTAL 50	UNCENSORED DEATHS 7	CENSORED DEATHS 0	TERMINAL 43
UNCENSORED DEATHS 52 376 439	697 710 712 721		
CENSORED DEATHS None			

DOSE = 10000 PPM

TOTAL 50	UNCENSORED DEATHS 12	CENSORED DEATHS 0	TERMINAL 38
UNCENSORED DEATHS 101 584 635	666 670 671 676 676 684 704 717 724		
CENSORED DEATHS None			

DOSE = 50000 PPM

TOTAL 50	UNCENSORED DEATHS 5	CENSORED DEATHS 0	TERMINAL 45
UNCENSORED DEATHS 25 486 592	661 700		
CENSORED DEATHS			

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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	100.0	100.0	100.0	98.0	98.0	98.0	98.0	96.0	94.0	92.0
2000 PPM	98.0	98.0	98.0	98.0	96.0	94.0	94.0	94.0	94.0	86.0
10000 PPM	100.0	98.0	98.0	98.0	98.0	98.0	98.0	96.0	94.0	76.0
50000 PPM	98.0	98.0	98.0	98.0	98.0	98.0	96.0	94.0	92.0	90.0

- (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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SURVIVAL SUMMARY STATISTICS				
DOSE	0 PPM	2000 PPM	10000 PPM	50000 PPM
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	92.0%	86.0%	76.0%	90.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.783N	P=0.532	P=0.062	P=0.983
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	549.0 (91.0)	529.6 (96.4)	625.7 (48.9)	492.8 (122.5)
MEAN LIFE SPAN (D) (STANDARD ERROR)	714.6 (9.4)	701.1 (16.0)	704.2 (13.0)	705.4 (15.0)

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FEMALE MICE
FIRST TERMINAL SACRIFICE AT 729 DAYS
INDIVIDUAL SURVIVAL TIMES (DAYS)

DOSE = 0 PPM

TOTAL 50	UNCENSORED DEATHS 5	CENSORED DEATHS 0	TERMINAL 45
UNCENSORED DEATHS			
22 22 480	704 726		
CENSORED DEATHS			
None			

DOSE = 2000 PPM

TOTAL 49	UNCENSORED DEATHS 5	CENSORED DEATHS 0	TERMINAL 44
UNCENSORED DEATHS			
543 642 663	665 670		
CENSORED DEATHS			
None			

DOSE = 10000 PPM

TOTAL 50	UNCENSORED DEATHS 6	CENSORED DEATHS 0	TERMINAL 44
UNCENSORED DEATHS			
289 628 629	692 702 726		
CENSORED DEATHS			
None			

DOSE = 50000 PPM

TOTAL 50	UNCENSORED DEATHS 11	CENSORED DEATHS 0	TERMINAL 39
UNCENSORED DEATHS			
235 594 614	617 628 655 659 673 674 717 726		
CENSORED DEATHS			

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DOSE	TIME (DAYS)									
	90	180	270	365	425	485	545	605	665	729(A)
0 PPM	96.0	96.0	96.0	96.0	96.0	94.0	94.0	94.0	94.0	90.0
2000 PPM	100.0	100.0	100.0	100.0	100.0	100.0	98.0	98.0	91.8	89.8
10000 PPM	100.0	100.0	100.0	98.0	98.0	98.0	98.0	98.0	94.0	88.0
50000 PPM	100.0	100.0	98.0	98.0	98.0	98.0	98.0	96.0	86.0	78.0

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SURVIVAL SUMMARY STATISTICS				
DOSE	0 PPM	2000 PPM	10000 PPM	50000 PPM
SURVIVAL AT END OF STUDY (KAPLAN-MEIER)	90.0%	89.8%	88.0%	78.0%
SIGNIFICANCE (B) (LIFE TABLE)	P=0.063	P=1.000	P=1.000	P=0.179
MEAN DAY OF NATURAL DEATHS (C) (STANDARD ERROR)	390.8 (156.6)	636.6 (23.9)	611.0 (66.4)	617.5 (40.2)
MEAN LIFE SPAN (D) (STANDARD ERROR)	695.2 (20.3)	719.6 (4.6)	714.8 (9.2)	704.5 (10.8)

*** END OF REPORT ***

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