

Study Number: C11054B-02
Test Type: TOX
Route: Dosing in Water
Species/Strain: Mouse/B6C3F1/N

PA11: Statistical Analysis of Survival Data
Test Compound: Sulfolane
CAS Number: 126-33-0

Date Report Requested: 08/25/2021
Time Report Requested: 13:49:42
Lab: Battelle

Study Number: C11054B-02
Study Sex: Both
PWG Approval Date: See web page for date of PWG Approval
Version: v1.3.0
Stat Version: v2.6.7A

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Males: Core Animals
First Terminal Sacrifice at 730 Days
Individual Survival Times (Study Days)

Dose = 0 mg/L

Total: 50

Uncensored Deaths: 16

Censored Deaths: 0

Terminal: 34

UNCENSORED DEATH DAYS

464	538	596	608	610	632	635	652	658	660	663	671	679	706
720	720												

CENSORED DEATH DAYS

None

Dose = 30 mg/L

Total: 50

Uncensored Deaths: 22

Censored Deaths: 0

Terminal: 28

UNCENSORED DEATH DAYS

538	544	552	566	577	583	593	621	640	641	648	650	652	661
674	692	693	698	719	722	724	726						

CENSORED DEATH DAYS

None

Dose = 100 mg/L

Total: 50

Uncensored Deaths: 15

Censored Deaths: 0

Terminal: 35

UNCENSORED DEATH DAYS

379	500	523	545	556	566	586	586	599	633	675	686	704	727
728													

CENSORED DEATH DAYS

None

Males: Core Animals

First Terminal Sacrifice at 730 Days

Individual Survival Times (Study Days)

Dose = 300 mg/L													
Total: 50			Uncensored Deaths: 18			Censored Deaths: 0			Terminal: 32				
UNCENSORED DEATH DAYS													
403	418	536	538	581	586	588	595	626	631	637	645	674	704
709	718	726	729										
CENSORED DEATH DAYS													
None													
Dose = 1000 mg/L													
Total: 50			Uncensored Deaths: 20			Censored Deaths: 0			Terminal: 30				
UNCENSORED DEATH DAYS													
386	542	549	565	567	582	622	627	628	641	643	643	652	666
682	688	690	700	726	726								
CENSORED DEATH DAYS													
None													

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Males: Core Animals
First Terminal Sacrifice at 730 Days

Dose (mg/L)	Kaplan-Meier Survival Probability Estimates (%)									
	Time (Study Days)									
	90	180	270	365	425	485	545	605	665	730(A)
0	100.0	100.0	100.0	100.0	100.0	98.0	96.0	94.0	78.0	68.0
30	100.0	100.0	100.0	100.0	100.0	100.0	96.0	86.0	72.0	56.0
100	100.0	100.0	100.0	100.0	98.0	98.0	92.0	82.0	80.0	70.0
300	100.0	100.0	100.0	100.0	96.0	96.0	92.0	84.0	76.0	64.0
1000	100.0	100.0	100.0	100.0	98.0	98.0	96.0	88.0	74.0	60.0

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First Terminal Sacrifice at 730 Days

Survival Summary Statistics					
Dose	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
Survival At End Of Study (Kaplan-Meier)	68.0%	56.0%	70.0%	64.0%	60.0%
Significance (B) (Life Table)	P=0.641	P=0.972	P=1.000N	P=1.000	P=1.000
Mean Day Of Natural Deaths (C) (Standard Error)	638.3 (16.6)	641.5 (13.2)	599.5 (24.8)	613.6 (22.6)	626.3 (17.7)
Mean Life Span (D) (Standard Error)	700.6 (8.0)	691.1 (8.5)	690.9 (11.2)	688.1 (11.3)	688.5 (10.1)

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Females: Core Animals
First Terminal Sacrifice at 728 Days
Individual Survival Times (Study Days)

Dose = 0 mg/L

Total: 50

Uncensored Deaths: 15

Censored Deaths: 0

Terminal: 35

UNCENSORED DEATH DAYS

495 511 567 576 587 630 674 674 675 694 695 695 710 722
726

CENSORED DEATH DAYS

None

Dose = 30 mg/L

Total: 50

Uncensored Deaths: 11

Censored Deaths: 0

Terminal: 39

UNCENSORED DEATH DAYS

380 494 542 562 628 659 669 706 714 716 719

CENSORED DEATH DAYS

None

Dose = 100 mg/L

Total: 50

Uncensored Deaths: 16

Censored Deaths: 0

Terminal: 34

UNCENSORED DEATH DAYS

308 512 549 560 598 623 652 653 656 667 694 706 707 712
717 717

CENSORED DEATH DAYS

None

Dose = 300 mg/L

Total: 50

Uncensored Deaths: 16

Censored Deaths: 0

Terminal: 34

UNCENSORED DEATH DAYS

304 422 513 529 533 574 624 624 651 664 692 715 715 717
720 724

CENSORED DEATH DAYS

None

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Females: Core Animals
First Terminal Sacrifice at 728 Days
Individual Survival Times (Study Days)

Dose = 1000 mg/L

Total: 50 Uncensored Deaths: 13 Censored Deaths: 0 Terminal: 37

UNCENSORED DEATH DAYS

294 364 420 464 574 592 631 680 700 705 706 713 725

CENSORED DEATH DAYS

None

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First Terminal Sacrifice at 728 Days

Dose (mg/L)	Kaplan-Meier Survival Probability Estimates (%)									
	Time (Study Days)									
	90	180	270	365	425	485	545	605	665	728(A)
0	100.0	100.0	100.0	100.0	100.0	100.0	96.0	90.0	88.0	70.0
30	100.0	100.0	100.0	100.0	98.0	98.0	94.0	92.0	88.0	78.0
100	100.0	100.0	100.0	98.0	98.0	98.0	96.0	90.0	82.0	68.0
300	100.0	100.0	100.0	98.0	96.0	96.0	90.0	88.0	80.0	68.0
1000	100.0	100.0	100.0	96.0	94.0	92.0	92.0	88.0	86.0	74.0

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First Terminal Sacrifice at 728 Days

Survival Summary Statistics					
Dose	0 mg/L	30 mg/L	100 mg/L	300 mg/L	1000 mg/L
Survival At End Of Study (Kaplan-Meier)	70.0%	78.0%	68.0%	68.0%	74.0%
Significance (B) (Life Table)	P=0.969N	P=0.945N	P=0.945	P=0.945	P=0.945N
Mean Day Of Natural Deaths (C) (Standard Error)	642.1 (19.7)	617.2 (33.3)	626.9 (26.7)	607.6 (30.4)	582.2 (41.2)
Mean Life Span (D) (Standard Error)	702.2 (8.1)	703.6 (9.6)	695.7 (10.7)	689.5 (12.5)	690.1 (13.8)

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LEGEND

(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).

Survival at end of study is calculated as the number of animals alive at the first terminal sacrifice day / number of animals in the dose group.

Pairwise p-values do not include corrections for multiple comparisons.

**** END OF REPORT ****