

Study Number: I11054

Test Type: TOX

Route: Oral Gavage

Species/Strain: Mouse/B6C3F1/N

C Number:

I11054

Study Gender:

Female

PWG Approval Date

See web page for date of PWG Approval

M07: TDAR SRBC: Spleen AFC

Test Compound: Sulfolane

CAS Number: 126-33-0

Date Report Requested: 09/12/2018

Time Report Requested: 09:05:25

Lab: Burleson Research Technologies

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Females

Treatment Groups (mg/kg)

	0	1	10	30
Spleen Weight (g)	0.1040 ± 0.0040 (8)	0.1033 ± 0.0027 (8)	0.1115 ± 0.0050 (8)	0.1054 ± 0.0030 (7)
Spleen Cells (x10 ⁶)	88.95 ± 5.21 (8)	93.60 ± 8.60 (8)	107.33 ± 8.93 (8)	98.31 ± 4.11 (7)
AFC/10 ⁶ Spleen Cells	1093.0 ± 238.5 (8)	599.4 ± 97.2 (8)	832.4 ± 415.0 (3)	530.3 ± 81.9 (7)
AFC/Spleen (x10 ²)	925.3 ± 143.1 (8)	572.6 ± 119.1 (8)	912.0 ± 425.2 (3)	538.1 ± 103.9 (7)

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Females

Treatment Groups (mg/kg)

	100	300	50 mg/kg CPS
Spleen Weight (g)	0.1049 ± 0.0023 (8)	0.1128 ± 0.0041 (8)	0.0544 ± 0.0022 (8) **
Spleen Cells (x10 ⁶)	93.34 ± 3.77 (8)	93.11 ± 3.20 (8)	24.66 ± 1.94 (8) **
AFC/10 ⁶ Spleen Cells	601.4 ± 124.6 (8)	937.5 ± 130.6 (8)	0.0 ± 0.0 (8) **
AFC/Spleen (x10 ²)	583.9 ± 131.0 (8)	885.9 ± 144.9 (8)	0.0 ± 0.0 (8) **

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LEGEND

Data are displayed as mean \pm SEM (N) unless otherwise noted.

Statistical analysis for F0 data performed by Jonckheere (trend) and then a pairwise test. Williams/Dunnett pairwise tests are used for organ weights, Shirley/Dunn pairwise tests are used for all other endpoints.

Statistical analysis for the positive control group compared to the vehicle control group was performed using the Kruskal-Wallis test.

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

TDAR - T-Dependent Antibody Response; SRBC - Sheep Red Blood Cells; AFC - Antibody-Forming Cells

CPS = Cyclophosphamide

**** END OF REPORT ****