

Study Number: I11054B

Test Type: TOX

Route: Dosing in Water

Species/Strain: Rat/Harlan Sprague Dawley

C Number:

I11054B

Study Gender:

Both

PWG Approval Date

See web page for date of PWG Approval

M19: TDAR SRBC: ELISpot

Test Compound: Sulfolane

CAS Number: 126-33-0

Date Report Requested: 12/07/2018

Time Report Requested: 07:31:59

Lab: Burleson Research Technologies

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F1 Males

Treatment Groups (mg/L)

	0	30	100	300	1000	15 mg/kg CPS
IgM AFC/10 ⁶ Spleen Cells	184.6 ± 49.1 (12)	216.3 ± 69.3 (12)	198.8 ± 47.8 (12)	195.8 ± 52.5 (12)	215.8 ± 34.9 (12)	27.5 ± 3.1 (8)
IgM AFC/Spleen (x10 ³)	67.22 ± 16.66 (12)	82.85 ± 28.34 (12)	76.33 ± 20.85 (12)	80.80 ± 22.81 (12)	85.98 ± 13.80 (12)	3.24 ± 0.48 (8) **

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F1 Females

Treatment Groups (mg/L)

	0	30	100	300	1000	15 mg/kg CPS
IgM AFC/10 ⁶ Spleen Cells	230.4 ± 30.6 (12)	301.7 ± 47.8 (12)	357.3 ± 107.8 (12)	379.0 ± 91.2 (12)	278.3 ± 40.3 (12)	21.3 ± 4.9 (8) **
IgM AFC/Spleen (x10 ³)	76.42 ± 11.23 (12)	104.58 ± 17.97 (12)	127.19 ± 35.75 (12)	152.24 ± 26.44 (12) *	105.19 ± 14.13 (12)	2.51 ± 0.55 (8) **

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LEGEND

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

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

Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests (unless otherwise noted).

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

CPS = Cyclophosphamide

**** END OF REPORT ****