

Study Number: I10482

Test Type: TOX

Route: Dosing in Feed

Species/Strain: Mouse/B6C3F1/N

M07: TDAR SRBC: Spleen AFC
Test Compound: N-Butylbenzenesulfonamide
CAS Number: 3622-84-2

Date Report Requested: 11/04/2020

Time Report Requested: 14:08:00

Lab: Burleson Research Technologies

Study Number:

I10482

Study Gender:

Female

PWG Approval Date:

See web page for date of PWG Approval

Version:

v1.0.9

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Females: SRBC

Treatment Groups (ppm)

	0	313	625	1250
Spleen Weight (g)	0.1116 ± 0.0057 (8) *	0.1045 ± 0.0047 (8)	0.1030 ± 0.0044 (8)	0.0996 ± 0.0046 (8)
Spleen Cells (x10 ⁶)	55.80 ± 4.22 (8) **	49.65 ± 5.28 (8)	50.40 ± 5.68 (8)	45.34 ± 5.22 (8)
AFC/10 ⁶ Spleen Cells	1214.6 ± 114.0 (8) **	1261.8 ± 166.6 (8)	1100.1 ± 149.3 (8)	826.1 ± 108.8 (8)
AFC/Spleen (x10 ²)	691.9 ± 101.8 (8) **	615.4 ± 93.3 (8)	570.9 ± 114.7 (8)	389.8 ± 78.4 (8) *

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Treatment Groups (ppm)

	2500	5000	50 mg/kg CPS
Spleen Weight (g)	0.1053 ± 0.0032 (8)	0.0891 ± 0.0038 (8) **	0.0491 ± 0.0016 (8) **
Spleen Cells (x10 ⁶)	45.97 ± 1.34 (8)	31.32 ± 2.45 (8) **	11.34 ± 0.85 (8) **
AFC/10 ⁶ Spleen Cells	607.9 ± 101.6 (8) **	632.5 ± 73.2 (8) **	76.1 ± 13.0 (7) **
AFC/Spleen (x10 ²)	282.4 ± 51.4 (8) **	201.4 ± 32.0 (8) **	8.4 ± 1.5 (7) **

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LEGEND

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

Statistical analysis 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.

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

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

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

CPS = Cyclophosphamide

**** END OF REPORT ****