

**Study Number:** I10482B

**Test Type:** TOX

**Route:** Dosing in Feed

**Species/Strain:** Rat/Harlan Sprague Dawley

**M09: Serum Antibody Concentrations for the T-Dependent Antigen Keyhole Limpet Hemocyanin (KLH)**

**Test Compound:** N-Butylbenzenesulfonamide

**CAS Number:** 3622-84-2

**Date Report Requested:** 09/01/2021

**Time Report Requested:** 08:10:38

**Lab:** Burleson Research Technologies

**Study Number:**

I10482B

**Study Gender:**

Both

**PWG Approval Date:**

See web page for date of PWG Approval

**Version:**

v1.3.2

**Stat Version:**

v2.5.2A

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**F1 Males: KLH**

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**Treatment Groups (ppm)**

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	<b>0</b>	<b>250</b>	<b>500</b>	<b>1000</b>	<b>15 mg/kg CPS</b>
anti-KLH IgM (ug/mL)	93.88 ± 29.22 (12)	63.65 ± 14.60 (12)	67.44 ± 12.15 (12)	64.78 ± 7.90 (12)	28.96 ± 3.22 (8) **
anti-KLH IgG (ug/mL)	35.067 ± 8.366 (12)	60.243 ± 36.713 (12)	28.884 ± 8.493 (12)	50.264 ± 13.964 (12)	0.780 ± 0.000 (8) **

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**F1 Females: KLH**

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**Treatment Groups (ppm)**

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	<b>0</b>	<b>250</b>	<b>500</b>	<b>1000</b>	<b>15 mg/kg CPS</b>
anti-KLH IgM (ug/mL)	68.65 ± 7.53 (12)	71.33 ± 8.04 (12)	65.94 ± 6.43 (12)	74.17 ± 12.28 (12)	36.73 ± 4.73 (8) **
anti-KLH IgG (ug/mL)	33.598 ± 12.244 (12)	41.169 ± 22.799 (12)	93.784 ± 44.901 (12)	28.963 ± 8.280 (12)	0.780 ± 0.000 (8) **

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#### LEGEND

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

Statistical analysis was performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

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  $P \leq 0.01$

KLH - Keyhole Limpet Hemocyanin; IgM - Immunoglobulin M; IgG - Immunoglobulin G

CPS = Cyclophosphamide

**\*\* END OF REPORT \*\***