

**Study Number:** R88007

**Test Type:** RACB - Range Finding

**Route:** Dosing in Feed

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

**C Number:**

**Study Gender:**

**PWG Approval Date**

**R02: Reproductive Performance Summary**

**Test Compound:** Butyl Paraben

**CAS Number:** 94-26-8

R88007

Both

See web page for date of PWG Approval

**Date Report Requested:** 12/11/2018

**Time Report Requested:** 14:04:56

**Lab:** RTI

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F0 Female

Treatment Groups (ppm)

Litter ID	0	5000	10000	20000	40000
A					
No. Females Paired	11	11	8	8	11
No. Females Mated	10	11	7	8	10
No. Females Pregnant	9	11	7	7	10
No. Females Littering	6	8	7	7	7
Percent of Mated Females/ Paired <sup>a</sup>	90.9	100.0	87.5	100.0	90.9
Percent of Littered Females/ Paired <sup>a</sup>	75.0	100.0	87.5	100.0	87.5
Percent of Pregant Females/ Mated <sup>a</sup>	90.0	100.0	100.0	87.5	100.0
Percent of Littered Females/ Mated <sup>a</sup>	85.7	100.0	100.0	100.0	100.0
Percent of Littered Females/ Pregnant <sup>a</sup>	100.0	100.0	100.0	100.0	100.0
Pre-coital Interval <sup>b</sup>	2.3 ± 0.5 (10)	3.7 ± 0.8 (11)	4.1 ± 1.2 (7)	3.6 ± 1.1 (7)	2.6 ± 0.5 (10)
Gestational Length <sup>b</sup>	22.2 ± 0.2 (6)	22.0 ± 0.0 (8)	22.6 ± 0.2 (7)	22.2 ± 0.2 (6)	22.0 ± 0.0 (7)

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LEGEND

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When reported, pre-coital interval in days is calculated for sperm positive females; results shown as mean  $\pm$  SEM (N)

Gestation length in days calculated for sperm positive females that delivered a litter; results shown as mean  $\pm$  SEM (N)

Animals removed from study between mating and littering excluded from calculations of percent littered females

<sup>a</sup>Statistical analysis performed by Cochran-Armitage (trend) and Fisher Exact (pairwise) 2-sided tests.

<sup>b</sup>Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

\* 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

In multiple breeding/littering studies Litter A is the default designation for the first litter; subsequent litters would be B, C etc.

Three females each in the 0, 5000, and 40000 ppm groups were removed for biological sampling on gestational day 18.

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