

Study Number: C08004-03
Test Type: TOX
Route: Dosing in Water
Species/Strain: Rat/Harlan Sprague Dawley

R02: Reproductive Performance Summary

Test Compound: Vanadyl sulfate

CAS Number: 27774-13-6

Date Report Requested: 08/02/2021

Time Report Requested: 07:22:37

Lab: Battelle

Study Number: C08004-03
Study Gender: Both
PWG Approval Date: See web page for date of PWG Approval
Version: v1.2.8
Stat Version: S

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F0 Female

Treatment Groups (mg/L)

	0	21	41.9	83.8	168	335
No. Females Mated	16	16	16	16	16	16
No. Females Pregnant	15	16	16	16	15	16
No. Pregnant Females Removed Prior to Littering	0	0	0	0	0	1
No. Females Littering	15	16	16	16	15	15
Percent of Pregnant Females/Mated	93.8	100.0	100.0	100.0	93.8	100.0
Percent of Littered Females/Mated	93.8	100.0	100.0	100.0	93.8	100.0
Percent of Littered Females/Pregnant	100.0	100.0	100.0	100.0	100.0	100.0
Gestational Length	21.9 ± 0.1 (15)	21.9 ± 0.1 (16)	22.1 ± 0.1 (16)	22.2 ± 0.1 (16)	21.8 ± 0.1 (15)	21.9 ± 0.1 (15)

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LEGEND

F0 time mated females were vendor provided so endpoints involving number of females paired, and pre-coital interval were not calculated. Pregnancy was defined as evidence of implantation or littering. Vendor's time of confirmation of mating was utilized for calculation of F0 gestational length.

Gestation length in days calculated for sperm positive females that delivered a litter.

Percent of Littered Females / Mated = $100 * (\text{No. Females Littered} / (\text{No. Females Mated} - \text{No. Pregnant Females Removed Prior to Littering}))$

Percent of Littered Females / Pregnant = $100 * (\text{No. Females Littered} / (\text{No. Females Pregnant} - \text{No. Pregnant Females Removed Prior to Littering}))$

Statistical analysis performed by Cochran-Armitage (trend) and Fisher Exact (pairwise) 2-sided tests for Percent of Mated Females/Paired; Percent of Littered Females/Paired; Percent of Pregnant Females/Mated; Percent of Littered Females/Mated; Percent of Littered Females/Pregnant endpoints if present.

Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests for the Pre-coital Interval and Gestational Length endpoints if present.

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 $P \leq 0.01$

**** END OF REPORT ****