

Study Number: C20323-03
Test Type: TOX
Route: Oral Gavage
Species/Strain: Rat/Wistar Han

R02: Reproductive Performance Summary

Test Compound: Resveratrol
CAS Number: 501-36-0

Date Report Requested: 05/26/2020
Time Report Requested: 07:29:05
Lab: NTP

Study Number:

C20323-03

Study Gender:

Both

PWG Approval Date

See web page for date of PWG Approval

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F0 Female

Treatment Groups (mg/kg)

	0	78	156	312.5	625	1250
No. Females Mated	33	33	16	33	16	33
No. Females Pregnant	28	31	15	29	13	27
No. Females Littering	19	22	14	19	11	18
Percent of Pregnant Females/Mated	84.8	93.9	93.8	87.9	81.3	81.8
Percent of Littered Females/Mated	79.2	95.7	87.5	82.6	68.8	78.3
Percent of Littered Females/Pregnant	100.0	100.0	93.3	95.0	84.6	100.0
Gestational Length	22.6 ± 0.1 (19)	22.7 ± 0.1 (22)	22.9 ± 0.1 (14)	22.9 ± 0.1 (19)	22.7 ± 0.2 (11)	22.7 ± 0.1 (18)

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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.

Nine females from the 0 mg/kg group and ten from each of the 78, 312.5, and 1250 mg/kg groups were removed for biological sampling on gestational day 18 and therefore are not included in any Percent Littered calculations.

Statistical analysis performed by Cochran-Armitage (trend) and Fisher Exact (pairwise) 2-sided tests for the 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 ****