

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

**R06: Andrology Summary**  
**Test Compound:** Resveratrol  
**CAS Number:** 501-36-0

**Date Report Requested:** 06/05/2019  
**Time Report Requested:** 11:57:53  
**Lab:** NTP

**C Number:**

C20323-03

**Study Gender:**

Both

**PWG Approval Date**

See web page for date of PWG Approval

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

**R06: Andrology Summary**  
**Test Compound:** Resveratrol  
**CAS Number:** 501-36-0

**Date Report Requested:** 06/05/2019  
**Time Report Requested:** 11:57:53  
**Lab:** NTP

Male

Generation	Litter ID	Terminal Sac	Cohort	Treatment Groups (mg/kg)			
				0	312.5	625	1250
F1		SD 95 - 95					
			No. Examined (Litters)	10 (5)	10 (5)	10 (5)	10 (5)
			Testis Weight (g)	1.873 ± 0.043	1.785 ± 0.106	1.898 ± 0.064	1.799 ± 0.062
			Testicular Spermatid Count (10 <sup>6</sup> )	260.1 ± 18.7	293.4 ± 29.4	274.5 ± 28.6	303.3 ± 17.9
			Testicular Spermatid Count per g Testis (10 <sup>6</sup> /g)	139.6 ± 10.7	163.7 ± 10.6	145.1 ± 14.2	169.9 ± 10.5
			Percent Motile Sperm	87.0 ± 0.6	85.6 ± 0.5	85.0 ± 0.4	85.6 ± 1.0
			Epididymis Weight (g)	0.588 ± 0.014	0.575 ± 0.029	0.596 ± 0.011	0.570 ± 0.020
			Cauda Epididymis Weight (g)	0.172 ± 0.005	0.171 ± 0.012	0.170 ± 0.006	0.172 ± 0.005
			Cauda Epididymis Sperm Count (millions)	122.2 ± 8.5	102.8 ± 10.3	120.9 ± 4.7	113.1 ± 3.0
			Sperm Count per mg Cauda Epididymis (10 <sup>3</sup> /mg)	711.5 ± 31.8	600.8 ± 42.9	710.4 ± 24.4	659.9 ± 22.3

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

**R06: Andrology Summary**  
**Test Compound:** Resveratrol  
**CAS Number:** 501-36-0

**Date Report Requested:** 06/05/2019  
**Time Report Requested:** 11:57:53  
**Lab:** NTP

## LEGEND

---

Data are displayed as mean  $\pm$  SEM.

Data are displayed as the means and standard errors of the litter means.

Statistical analysis of F1 organ weight endpoints performed using linear mixed models with the dam ID as the random effect for both trend and pairwise test, and using the Dunnett-Hsu adjustment for multiple comparisons. For endpoints other than organ weights for F1 animals, a bootstrapped Jonckheere trend test was used, and pairwise comparisons were done using the Datta-Satten modified Wilcoxon test with Hommel adjustment for multiple comparisons.

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 \*\***