

Experiment Number: C20605-01

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

R06: Andrology Summary

Test Compound: Gum Guggul Extract

CAS Number: GUMGUGGULEXT

Date Report Requested: 05/04/2017

Time Report Requested: 14:09:35

Lab: NTP

C Number: C20605-01

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

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Male

Generation	Litter ID	Terminal Sac	Cohort	Treatment Groups (mg/kg)				
				0	250	500	1000	
		SD 92 - 92	Day 92 Males	No. Examined	10	10	10	10
				Testis Weight (g)	1.884 ± 0.047	1.862 ± 0.043	1.865 ± 0.044	1.898 ± 0.053
				Testicular Spermatid Count (10 ⁶)	291.8 ± 12.2 *	332.7 ± 9.5	299.6 ± 15.1	342.9 ± 17.6 *
				Testicular Spermatid Count per mg Testis (10 ³ /mg)	155.0 ± 5.7	179.2 ± 5.2 *	160.0 ± 5.9	180.0 ± 5.6 *
				Percent Motile Sperm	83.6 ± 0.6	85.1 ± 0.6	85.3 ± 0.6	85.0 ± 0.3
				Epididymis Weight (g)	0.602 ± 0.012	0.591 ± 0.009	0.601 ± 0.012	0.590 ± 0.011
				Cauda Epididymis Weight (g)	0.211 ± 0.007	0.211 ± 0.006	0.216 ± 0.006	0.204 ± 0.005
				Cauda Epididymis Sperm Count (millions)	160.4 ± 6.9	163.4 ± 8.1	171.5 ± 7.0	155.4 ± 9.2
				Sperm Count per mg Cauda Epididymis (10 ³ /mg)	760.8 ± 28.7	776.9 ± 36.6	796.3 ± 30.3	764.1 ± 51.3

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LEGEND

Data are displayed as mean \pm SEM

Statistical analysis performed by Jonckheere (trend) and then a pairwise test. William/Dunnett pairwise tests are used for organ weights, Shirley/Dunn pairwise tests are used for all other endpoints.

* 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

**** END OF REPORT ****