

Experiment Number: C20605-02

Test Type: TOX

Route: Oral Gavage

Species/Strain: Mouse/B6C3F1/N

C Number:

C20605-02

Cage Range:

All

Date Range:

All

Reasons For Removal:

All

Removal Date Range:

All

Treatment Groups:

All

Study Gender:

Both

R06: Andrology Summary

Test Compound: Gum Guggul Extract

CAS Number: GUMGUGGULEXT

Date Report Requested: 05/04/2017

Time Report Requested: 14:08:26

Lab: NTP

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R06: Andrology Summary
Test Compound: Gum Guggul Extract
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Male

Generation	Litter ID	Terminal Sac	Cohort	Treatment Groups (mg/kg)				
				0	62.5	125	250	
		SD 92 - 92	Day 92 Males	No. Examined	10	10	10	10
				Testis Weight (g)	0.111 ± 0.001 *	0.109 ± 0.002	0.110 ± 0.003	0.098 ± 0.008
				Testicular Spermatid Count (10 ⁶)	28.2 ± 1.7 **	21.8 ± 1.0 *	23.1 ± 2.0 *	17.7 ± 2.3 **
				Testicular Spermatid Count per mg Testis (10 ³ /mg)	253.1 ± 14.3 **	200.3 ± 8.2 **	209.7 ± 15.5 *	172.1 ± 16.6 **
				Percent Motile Sperm	85.9 ± 0.5	85.5 ± 0.9	85.6 ± 0.3	85.2 ± 0.5
				Epididymis Weight (g)	0.040 ± 0.003	0.042 ± 0.001	0.042 ± 0.001	0.040 ± 0.002
				Cauda Epididymis Weight (g)	0.015 ± 0.001	0.015 ± 0.001	0.014 ± 0.000	0.014 ± 0.001
				Cauda Epididymis Sperm Count (millions)	23.3 ± 1.3	19.9 ± 1.2	20.3 ± 1.8	17.8 ± 2.4
				Sperm Count per mg Cauda Epididymis (10 ³ /mg)	1604.5 ± 99.8	1399.7 ± 106.2	1418.9 ± 101.6	1192.1 ± 151.9

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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 ****