

Experiment Number: C20617

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

C Number:

C20617

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: Perfluorooctane Sulfonate

CAS Number: 1763-23-1

Date Report Requested: 03/30/2017

Time Report Requested: 13:06:49

Lab: Battelle

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Male

Generation	Litter ID	Terminal Sac	Cohort	Treatment Groups (mg/kg/day)			
				0	1.25	2.5	5
		SD 28 - 28	No. Examined	10	10	10	10
			Testis Weight (g)	1.864 ± 0.025	1.746 ± 0.038	1.766 ± 0.037	1.848 ± 0.035
			Testicular Spermatid Count (10 ⁶)	267.0 ± 12.0	249.0 ± 10.2	262.5 ± 13.1	264.0 ± 14.4
			Testicular Spermatid Count per mg Testis (10 ³ /mg)	143.2 ± 6.4	142.7 ± 5.2	148.2 ± 5.6	142.4 ± 6.0
			Percent Motile Sperm	87.5 ± 0.4	87.8 ± 0.3	87.3 ± 0.4	88.4 ± 0.4
			Epididymis Weight (g)	0.545 ± 0.015	0.520 ± 0.010	0.509 ± 0.008	0.524 ± 0.014
			Cauda Epididymis Weight (g)	0.195 ± 0.007	0.182 ± 0.004	0.183 ± 0.006	0.195 ± 0.006
			Cauda Epididymis Sperm Count (millions)	114.0 ± 6.5	104.0 ± 6.9	107.5 ± 6.1	120.8 ± 8.6
			Sperm Count per mg Cauda Epididymis (10 ³ /mg)	591.1 ± 37.4	571.7 ± 35.3	592.3 ± 38.0	621.5 ± 40.1

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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 ****