

Experiment Number: C07040

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

C Number:

C07040

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: Perfluorobutane sulfonate

CAS Number: 375-73-5

Date Report Requested: 03/30/2017

Time Report Requested: 13:06:25

Lab: Battelle

Experiment Number: C07040

Test Type: TOX

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R06: Andrology Summary

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Male

Generation	Litter ID	Terminal Sac	Cohort	Treatment Groups (mg/kg/day)			
				0	125	250	500
		SD 28 - 28	No. Examined	10	10	10	10
			Testis Weight (g)	1.786 ± 0.026	1.818 ± 0.041	1.828 ± 0.053	1.891 ± 0.033
			Testicular Spermatid Count (10 ⁶)	300.5 ± 12.0	295.4 ± 10.9	269.9 ± 12.9	287.9 ± 10.2
			Testicular Spermatid Count per mg Testis (10 ³ /mg)	168.3 ± 6.5 *	163.0 ± 5.9	147.4 ± 4.6	152.3 ± 5.0
			Percent Motile Sperm	87.9 ± 0.2	87.0 ± 0.6	88.0 ± 0.3	86.8 ± 0.5
			Epididymis Weight (g)	0.531 ± 0.008	0.517 ± 0.011	0.532 ± 0.014	0.532 ± 0.010
			Cauda Epididymis Weight (g)	0.195 ± 0.005	0.181 ± 0.007	0.194 ± 0.007	0.195 ± 0.005
			Cauda Epididymis Sperm Count (millions)	132.9 ± 12.0	113.0 ± 8.2	115.6 ± 4.7	112.3 ± 7.3
			Sperm Count per mg Cauda Epididymis (10 ³ /mg)	677.2 ± 53.0	632.4 ± 51.2	599.4 ± 27.0	575.1 ± 29.7

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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 ****