

**Experiment Number:** C20613

**Test Type:** TOX

**Route:** Oral Gavage

**Species/Strain:** Rat/Harlan Sprague Dawley

**C Number:**

C20613

**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:** Perfluorohexanoic acid

**CAS Number:** 307-24-4

**Date Report Requested:** 03/30/2017

**Time Report Requested:** 13:05:54

**Lab:** Battelle

Experiment Number: C20613

Test Type: TOX

Route: Oral Gavage

Species/Strain: Rat/Harlan Sprague Dawley

R06: Andrology Summary

Test Compound: Perfluorohexanoic acid

CAS Number: 307-24-4

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Lab: Battelle

Male

Generation	Litter ID	Terminal Sac	Cohort	Treatment Groups (mg/kg/day)			
				0	250	500	1000
		SD 28 - 28	No. Examined	10	10	10	10
			Testis Weight (g)	1.814 ± 0.035	1.821 ± 0.028	1.851 ± 0.057	1.798 ± 0.043
			Testicular Spermatid Count (10 <sup>6</sup> )	377.0 ± 7.9	356.5 ± 11.0	376.0 ± 11.6	352.3 ± 12.4
			Testicular Spermatid Count per mg Testis (10 <sup>3</sup> /mg)	208.3 ± 4.8	195.9 ± 5.4	203.9 ± 6.1	196.0 ± 5.0
			Percent Motile Sperm	87.9 ± 0.4	87.8 ± 0.3	87.2 ± 0.4	87.4 ± 0.4
			Epididymis Weight (g)	0.527 ± 0.010	0.523 ± 0.013	0.524 ± 0.011	0.496 ± 0.014
			Cauda Epididymis Weight (g)	0.190 ± 0.005	0.195 ± 0.005	0.186 ± 0.005	0.176 ± 0.005
			Cauda Epididymis Sperm Count (millions)	111.9 ± 8.4 **	102.5 ± 5.2	105.1 ± 4.3	83.7 ± 4.7 **
			Sperm Count per mg Cauda Epididymis (10 <sup>3</sup> /mg)	586.4 ± 34.9	526.7 ± 25.8	566.4 ± 20.2	478.3 ± 28.2

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LEGEND

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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 \*\***