

**Experiment Number:** C06100

**Test Type:** TOX

**Route:** Oral Gavage

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

**C Number:**

C06100

**Cage Range:**

All

**Date Range:**

All

**Reasons For Removal:**

All

**Removal Date Range:**

All

**Treatment Groups:**

All

**Study Gender:**

Male

**R07: Hormone Summary**

**Test Compound:** Perfluorohexane sulfonate potassium salt

**CAS Number:** 3871-99-6

**Date Report Requested:** 03/13/2017

**Time Report Requested:** 13:37:22

**Lab:** Battelle

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Terminal Sacrifice	Treatment Groups (mg/kg/day)				
	0	0.625	1.25	2.5	5
SD 28 - 28 Testosterone (ng/mL)	4.595 ± 0.680 (10)	7.739 ± 1.440 (10)	6.500 ± 1.660 (10)	8.111 ± 1.747 (10)	5.875 ± 1.141 (10)
SD 28 - 28 Thyroid Stimulating Hormone (ng/mL)	17.310 ± 2.386 (10)	18.583 ± 1.950 (10)	20.779 ± 1.819 (10)	21.875 ± 3.130 (10)	19.691 ± 1.750 (10)
SD 28 - 28 Triiodothyronine (ng/dL)	85.182 ± 5.736 (10) **	66.209 ± 4.202 (10) *	58.665 ± 2.867 (10) **	54.249 ± 2.309 (10) **	52.496 ± 1.421 (10) **
SD 28 - 28 Free Thyroxine (ng/dL)	1.737 ± 0.100 (10) **	0.817 ± 0.067 (10) **	0.481 ± 0.031 (10) **	0.357 ± 0.022 (10) **	0.386 ± 0.032 (10) **
SD 28 - 28 Total Thyroxine (ug/dL)	4.240 ± 0.229 (10) **	2.390 ± 0.078 (10) **	1.700 ± 0.058 (10) **	1.470 ± 0.070 (10) **	1.540 ± 0.093 (10) **

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Terminal Sacrifice	Treatment Groups (mg/kg/day)
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10

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SD 28 - 28	Testosterone (ng/mL)	7.142 ± 1.267 (10)
SD 28 - 28	Thyroid Stimulating Hormone (ng/mL)	24.962 ± 4.314 (10)
SD 28 - 28	Triiodothyronine (ng/dL)	56.831 ± 3.959 (10) **
SD 28 - 28	Free Thyroxine (ng/dL)	0.385 ± 0.027 (10) **
SD 28 - 28	Total Thyroxine (ug/dL)	1.660 ± 0.048 (10) **

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LEGEND

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Data are displayed as mean  $\pm$  SEM (N)

Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

Statistical significance for the control group indicates a significant trend test

\* Statistically significant at  $P \leq 0.05$

\*\* Statistically significant at  $P \leq 0.01$

SD – Study Day; GD – Gestation Day; LD – Lactation Day; PND – Postnatal Day, adults post-weaning

**\*\* END OF REPORT \*\***