

**Experiment Number:** C20105-59

**Test Type:** TOX

**Route:** Whole Body Exposure

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

**C Number:**

C20105-59

**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:** Cell Phone Radiation: GSM

**CAS Number:** CELLPRADGSM

**Date Report Requested:** 03/23/2017

**Time Report Requested:** 10:13:28

**Lab:** NTP

Experiment Number: C20105-59

Test Type: TOX

Route: Whole Body Exposure

Species/Strain: Rat/Harlan Sprague Dawley

R06: Andrology Summary

Test Compound: Cell Phone Radiation: GSM

CAS Number: CELLPRADGSM

Date Report Requested: 03/23/2017

Time Report Requested: 10:13:28

Lab: NTP

Male

Generation	Litter ID	Terminal Sac	Cohort	Treatment Groups (W/kg)							
				0		1.5		3		6	
		SD 94 - 94	No. Examined	10		10		10		10	
			Testis Weight (g)	2.083 ± 0.059		2.028 ± 0.051		2.049 ± 0.039		1.954 ± 0.055	
			Testicular Spermatid Count (10 <sup>6</sup> )	305.1 ± 11.2		280.3 ± 8.9		263.4 ± 12.3		297.4 ± 12.5	
			Testicular Spermatid Count per mg Testis (10 <sup>3</sup> /mg)	147.3 ± 6.0		138.6 ± 4.2		128.5 ± 5.2		152.7 ± 6.8	
			Epididymis Weight (g)	0.640 ± 0.021		0.643 ± 0.018		0.622 ± 0.017		0.643 ± 0.029	
			Cauda Epididymis Weight (g)	0.266 ± 0.011		0.271 ± 0.008		0.257 ± 0.009		0.269 ± 0.011	
			Cauda Epididymis Sperm Count (millions)	247.7 ± 68.9		285.5 ± 71.3		283.7 ± 57.5		220.3 ± 34.9	
			Sperm Count per mg Cauda Epididymis (10 <sup>3</sup> /mg)	909.3 ± 243.5		1081.1 ± 282.6		1085.0 ± 210.7		834.8 ± 139.5	
			Percent Motile Sperm	91.5 ± 1.4		74.0 ± 8.0		91.5 ± 1.4		89.4 ± 2.2	

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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 \*\***