

**Experiment Number:** C20105-78

**Test Type:** TOX

**Route:** Whole Body Exposure

**Species/Strain:** Mouse/B6C3F1/N

**PA06: Organ Weights Summary**

**Test Compound:** Cell Phone Radiation: GSM

**CAS Number:** CELLPRADGSM

**Date Report Requested:** 07/05/2017

**Time Report Requested:** 13:30:50

**Lab:** NTP

**C Number:** C20105-78

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Both

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	Males											
	Treatment Groups (W/kg)											
	0			2.5			5			10		
Terminal Body Wt.	34.8	± 0.8	(10)	33.3	± 0.8	(10)	34.3	± 0.6	(10)	33.0	± 0.5	(10)
Brain												
Absolute (g)	0.48	± 0.01	(10)	0.48	± 0.00	(10)	0.47	± 0.00	(10)	0.47	± 0.01	(10)
Relative (mg/g)	13.74	± 0.43	(10)	14.44	± 0.39	(10)	13.73	± 0.28	(10)	14.18	± 0.22	(10)
R. Epididymis												
Absolute (g)	0.0504	± 0.0024	(10)	0.0466	± 0.0023	(10)	0.0471	± 0.0029	(10)	0.0489	± 0.0016	(10)
Relative (mg/g)	1.45	± 0.06	(10)	1.40	± 0.05	(10)	1.37	± 0.07	(10)	1.49	± 0.05	(10)
L. Epididymis												
Absolute (g)	0.0478	± 0.0019	(10)	0.0499	± 0.0026	(10)	0.0500	± 0.0026	(10)	0.0468	± 0.0023	(10)
Relative (mg/g)	1.38	± 0.06	(10)	1.50	± 0.07	(10)	1.46	± 0.07	(10)	1.43	± 0.09	(10)
Heart												
Absolute (g)	0.16	± 0.00	(9)	0.17	± 0.01	(10)	0.16	± 0.00	(9)	0.16	± 0.01	(10)
Relative (mg/g)	4.52	± 0.09	(9)	5.06	± 0.18	(10)	4.75	± 0.13	(9)	4.87	± 0.21	(10)
R. Kidney												
Absolute (g)	0.27	± 0.01	(10) **	0.26	± 0.01	(10)	0.25	± 0.00	(10) *	0.25	± 0.01	(10) **
Relative (mg/g)	7.80	± 0.17	(10)	7.89	± 0.18	(10)	7.44	± 0.14	(10)	7.63	± 0.19	(10)
L. Kidney												
Absolute (g)	0.26	± 0.01	(10) **	0.25	± 0.01	(10)	0.25	± 0.01	(10)	0.23	± 0.00	(10) **
Relative (mg/g)	7.54	± 0.15	(10) *	7.65	± 0.15	(10)	7.20	± 0.16	(10)	7.08	± 0.16	(10)
Liver												
Absolute (g)	1.54	± 0.05	(10) *	1.44	± 0.05	(10)	1.38	± 0.03	(9) *	1.39	± 0.03	(9) *
Relative (mg/g)	44.27	± 0.73	(10)	43.18	± 0.85	(10)	40.73	± 0.82	(9) *	42.31	± 1.01	(9)
Lung												
Absolute (g)	0.28	± 0.02	(10)	0.29	± 0.02	(10)	0.24	± 0.01	(10)	0.27	± 0.02	(10)
Relative (mg/g)	7.84	± 0.58	(10)	8.62	± 0.58	(10)	6.98	± 0.34	(10)	8.24	± 0.68	(10)
R. Testis												
Absolute (g)	0.110	± 0.002	(10)	0.111	± 0.004	(10)	0.102	± 0.008	(10)	0.109	± 0.002	(10)
Relative (mg/g)	3.16	± 0.10	(10)	3.34	± 0.11	(10)	2.98	± 0.22	(10)	3.31	± 0.09	(10)

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<b>Males</b>				
<b>Treatment Groups (W/kg)</b>				
	<b>0</b>	<b>2.5</b>	<b>5</b>	<b>10</b>
L. Testis				
Absolute (g)	0.104 ± 0.002 (10)	0.107 ± 0.002 (10)	0.101 ± 0.007 (10)	0.105 ± 0.002 (10)
Relative (mg/g)	3.01 ± 0.12 (10)	3.22 ± 0.09 (10)	2.96 ± 0.21 (10)	3.20 ± 0.09 (10)
Thymus				
Absolute (g)	0.035 ± 0.002 (10)	0.037 ± 0.002 (10)	0.037 ± 0.002 (10)	0.036 ± 0.002 (10)
Relative (mg/g)	1.02 ± 0.07 (10)	1.10 ± 0.04 (10)	1.07 ± 0.05 (10)	1.10 ± 0.04 (10)

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Females

Treatment Groups (W/kg)

	0			2.5			5			10		
Terminal Body Wt.	24.4	± 0.4	(10)	24.9	± 0.5	(10)	25.0	± 0.5	(10)	26.2	± 0.7	(10) *
Brain												
Absolute (g)	0.49	± 0.00	(10)	0.49	± 0.00	(10)	0.49	± 0.00	(10)	0.49	± 0.01	(10)
Relative (mg/g)	20.21	± 0.32	(10) *	19.85	± 0.37	(10)	19.78	± 0.36	(10)	18.86	± 0.40	(10) *
Heart												
Absolute (g)	0.15	± 0.01	(10)	0.16	± 0.01	(10)	0.16	± 0.01	(10)	0.16	± 0.01	(10)
Relative (mg/g)	6.24	± 0.25	(10)	6.34	± 0.25	(10)	6.31	± 0.22	(10)	6.11	± 0.28	(10)
R. Kidney												
Absolute (g)	0.18	± 0.00	(10)	0.18	± 0.00	(10)	0.17	± 0.00	(10)	0.17	± 0.01	(10)
Relative (mg/g)	7.26	± 0.13	(10) **	7.08	± 0.18	(10)	6.92	± 0.23	(10)	6.65	± 0.17	(10) *
L. Kidney												
Absolute (g)	0.16	± 0.00	(10)	0.16	± 0.00	(10)	0.15	± 0.00	(10)	0.16	± 0.01	(10)
Relative (mg/g)	6.52	± 0.16	(10)	6.35	± 0.08	(10)	6.19	± 0.15	(10)	6.20	± 0.16	(10)
Liver												
Absolute (g)	1.21	± 0.03	(10)	1.24	± 0.03	(10)	1.22	± 0.02	(10)	1.28	± 0.05	(10)
Relative (mg/g)	49.60	± 0.66	(10)	49.76	± 0.59	(10)	48.96	± 0.75	(10)	48.94	± 1.28	(10)
Lung												
Absolute (g)	0.31	± 0.02	(10)	0.34	± 0.02	(10)	0.32	± 0.01	(10)	0.31	± 0.01	(10)
Relative (mg/g)	12.59	± 0.60	(10)	13.45	± 0.73	(10)	12.75	± 0.39	(10)	11.75	± 0.60	(10)
R. Ovary												
Absolute (g)	0.0077	± 0.0004	(10)	0.0072	± 0.0006	(10)	0.0067	± 0.0009	(10)	0.0070	± 0.0006	(10)
Relative (mg/g)	0.32	± 0.02	(10)	0.29	± 0.02	(10)	0.27	± 0.04	(10)	0.27	± 0.02	(10)
L. Ovary												
Absolute (g)	0.0069	± 0.0009	(10)	0.0058	± 0.0006	(10)	0.0053	± 0.0008	(10)	0.0064	± 0.0003	(10)
Relative (mg/g)	0.28	± 0.04	(10)	0.23	± 0.02	(10)	0.21	± 0.03	(10)	0.25	± 0.01	(10)
Thymus												
Absolute (g)	0.041	± 0.003	(10) *	0.044	± 0.001	(10)	0.043	± 0.002	(10)	0.049	± 0.002	(10) *
Relative (mg/g)	1.66	± 0.10	(10)	1.75	± 0.04	(10)	1.73	± 0.04	(10)	1.86	± 0.06	(10)

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#### LEGEND

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

Relative organ weights (organ-weight-to-body-weight ratios) are given as mg organ weight/g body weight

Statistical analysis performed by Jonckheere (trend) and William or Dunnett (pairwise) tests unless otherwise noted.

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

\* Statistically significant at  $P \leq 0.05$

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

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