

Experiment Number: C20105-59
Test Type: TOX
Route: Whole Body Exposure
Species/Strain: Rat/Harlan Sprague Dawley

PA06: Organ Weights Summary
Test Compound: Cell Phone Radiation: GSM
CAS Number: CELLPRADGSM

Date Report Requested: 06/30/2017
Time Report Requested: 13:03:34
Lab: NTP

C Number:	C20105-59
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both

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F1 Males: F1 Interim Males

	Treatment Groups (W/kg)											
	0			1.5			3			6		
Terminal Body Wt.	444.2	± 8.5	(10) *	426.2	± 9.9	(10)	429.8	± 7.3	(10)	410.1	± 6.8	(10) *
Brain												
Absolute (g)	1.92	± 0.02	(10)	1.94	± 0.02	(10)	1.94	± 0.02	(10)	1.88	± 0.02	(10)
Relative (mg/g)	4.34	± 0.08	(10)	4.58	± 0.11	(10)	4.53	± 0.06	(10)	4.59	± 0.06	(10)
R. Epididymis												
Absolute (g)	0.6423	± 0.0278	(10)	0.6370	± 0.0191	(10)	0.6245	± 0.0173	(10)	0.6332	± 0.0312	(10)
Relative (mg/g)	1.45	± 0.06	(10)	1.50	± 0.05	(10)	1.46	± 0.06	(10)	1.54	± 0.06	(10)
L. Epididymis												
Absolute (g)	0.6404	± 0.0208	(10)	0.6430	± 0.0178	(10)	0.6219	± 0.0168	(10)	0.6435	± 0.0290	(10)
Relative (mg/g)	1.44	± 0.05	(10)	1.51	± 0.04	(10)	1.45	± 0.05	(10)	1.56	± 0.05	(10)
Heart												
Absolute (g)	1.52	± 0.03	(10)	1.46	± 0.03	(10)	1.42	± 0.04	(10)	1.44	± 0.03	(10)
Relative (mg/g)	3.42	± 0.06	(10)	3.42	± 0.04	(10)	3.30	± 0.05	(10)	3.51	± 0.04	(10)
R. Kidney												
Absolute (g)	1.59	± 0.04	(10) *	1.43	± 0.06	(10) *	1.50	± 0.02	(10)	1.41	± 0.04	(10) *
Relative (mg/g)	3.58	± 0.09	(10)	3.37	± 0.11	(10)	3.50	± 0.06	(10)	3.44	± 0.07	(10)
L. Kidney												
Absolute (g)	1.58	± 0.04	(10) **	1.43	± 0.05	(10) *	1.47	± 0.02	(10) *	1.35	± 0.05	(10) **
Relative (mg/g)	3.57	± 0.09	(10) *	3.34	± 0.09	(10)	3.42	± 0.05	(10)	3.28	± 0.09	(10) *
Liver												
Absolute (g)	16.49	± 0.31	(10) *	14.97	± 0.46	(10)	15.23	± 0.35	(10)	14.85	± 0.59	(10) *
Relative (mg/g)	37.17	± 0.61	(10)	35.12	± 0.63	(10)	35.47	± 0.73	(10)	36.12	± 0.97	(10)
Lung												
Absolute (g)	2.20	± 0.06	(10)	2.08	± 0.06	(10)	2.03	± 0.06	(10)	2.00	± 0.08	(10)
Relative (mg/g)	4.96	± 0.15	(10)	4.89	± 0.13	(10)	4.73	± 0.16	(10)	4.88	± 0.17	(10)
R. Testis												
Absolute (g)	2.071	± 0.051	(10)	1.982	± 0.049	(10)	2.055	± 0.041	(10)	1.930	± 0.056	(10)
Relative (mg/g)	4.68	± 0.16	(10)	4.66	± 0.11	(10)	4.80	± 0.15	(10)	4.70	± 0.10	(10)

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Treatment Groups (W/kg)

	0	1.5	3	6
L. Testis				
Absolute (g)	2.083 ± 0.059 (10)	2.028 ± 0.051 (10)	2.049 ± 0.039 (10)	1.954 ± 0.055 (10)
Relative (mg/g)	4.71 ± 0.17 (10)	4.77 ± 0.11 (10)	4.79 ± 0.15 (10)	4.76 ± 0.08 (10)
Thymus				
Absolute (g)	0.349 ± 0.023 (10)	0.361 ± 0.026 (10)	0.372 ± 0.024 (10)	0.360 ± 0.017 (10)
Relative (mg/g)	0.79 ± 0.05 (10)	0.84 ± 0.04 (10)	0.86 ± 0.05 (10)	0.87 ± 0.03 (10)

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F1 Females: F1 Interim Females

	Treatment Groups (W/kg)											
	0			1.5			3			6		
Terminal Body Wt.	274.1	± 7.8	(10) *	248.5	± 5.9	(10) *	264.8	± 8.3	(10)	243.6	± 5.3	(10) **
Brain												
Absolute (g)	1.79	± 0.02	(10)	1.80	± 0.03	(10)	1.81	± 0.02	(10)	1.78	± 0.02	(10)
Relative (mg/g)	6.58	± 0.18	(10) *	7.28	± 0.14	(10) **	6.90	± 0.18	(10)	7.33	± 0.11	(10) **
Heart												
Absolute (g)	1.02	± 0.03	(10)	0.95	± 0.02	(10)	0.98	± 0.03	(10)	0.94	± 0.03	(10)
Relative (mg/g)	3.74	± 0.09	(10)	3.84	± 0.08	(10)	3.70	± 0.06	(10)	3.87	± 0.04	(10)
R. Kidney												
Absolute (g)	0.97	± 0.03	(10) **	0.91	± 0.02	(10)	0.89	± 0.02	(10) *	0.85	± 0.02	(10) **
Relative (mg/g)	3.54	± 0.08	(10)	3.65	± 0.05	(10)	3.37	± 0.10	(10)	3.50	± 0.07	(10)
L. Kidney												
Absolute (g)	0.97	± 0.04	(10) **	0.87	± 0.02	(10) *	0.88	± 0.02	(10) *	0.83	± 0.02	(10) **
Relative (mg/g)	3.53	± 0.11	(10)	3.51	± 0.04	(10)	3.33	± 0.08	(10)	3.41	± 0.08	(10)
Liver												
Absolute (g)	10.07	± 0.56	(10) *	8.41	± 0.25	(10) *	9.36	± 0.40	(10)	8.03	± 0.22	(10) **
Relative (mg/g)	36.55	± 1.16	(10) **	33.85	± 0.61	(10)	35.27	± 0.63	(10)	32.94	± 0.46	(10) **
Lung												
Absolute (g)	1.85	± 0.05	(10) *	1.67	± 0.05	(10)	1.90	± 0.07	(10)	1.56	± 0.03	(10) **
Relative (mg/g)	6.79	± 0.24	(10)	6.74	± 0.18	(10)	7.22	± 0.29	(10)	6.42	± 0.11	(10)
R. Ovary												
Absolute (g)	0.0598	± 0.0042	(10)	0.0581	± 0.0047	(10)	0.0569	± 0.0038	(10)	0.0565	± 0.0025	(10)
Relative (mg/g)	0.22	± 0.02	(10)	0.23	± 0.02	(10)	0.21	± 0.01	(10)	0.23	± 0.01	(10)
L. Ovary												
Absolute (g)	0.0511	± 0.0031	(10)	0.0496	± 0.0040	(10)	0.0532	± 0.0045	(10)	0.0521	± 0.0035	(10)
Relative (mg/g)	0.19	± 0.01	(10)	0.20	± 0.01	(10)	0.20	± 0.01	(10)	0.21	± 0.01	(10)
Thymus												
Absolute (g)	0.299	± 0.016	(10) *	0.244	± 0.013	(10) *	0.274	± 0.020	(10)	0.234	± 0.013	(10) *
Relative (mg/g)	1.10	± 0.06	(10)	0.98	± 0.05	(10)	1.03	± 0.07	(10)	0.96	± 0.04	(10)

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LEGEND

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 ****