Experiment Number: **G08015C**

Test Type: **Genetic Toxicology - In Vivo Alkaline Comet Assay**

Route: **Whole body**

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

G01: In Vivo Alkaline Comet Summary Data

Test Compound: **CDMA Radiofrequency**

CAS Number: **CELLPRADCDMA**

Date Report Requested: **04/18/2018**

Time Report Requested: **15:29:26**

NTP Study Number:	G08015C
Study Duration:	19 week
Male Study Result:	Positive
Female Study Result:	Negative

Experiment Number: **G08015C**

Test Type: **Genetic Toxicology - In Vivo Alkaline Comet Assay**

Route: **Whole body**

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

G01: In Vivo Alkaline Comet Summary Data

Test Compound: **CDMA Radiofrequency**

CAS Number: **CELLPRADCDMA**

Date Report Requested: **04/18/2018**

Time Report Requested: **15:29:26**

Sex: Male; Method: 100-cell

		Blood			Cerebellum	
Dose (W/kg)	**N**	**Percent Tail DNA**	**p-Value**	**N**	**Percent Tail DNA**	**p-Value**
Vehicle Control[1]	5	1.477 ± 0.287		5	5.569 ± 0.920	
1.5	5	1.217 ± 0.445	0.5963	5	5.600 ± 0.709	1.0000
3.0	5	2.133 ± 0.344	0.1561	5	10.701 ± 3.663	0.5040
6.0	5	2.082 ± 0.425	0.1665	5	10.581 ± 3.515	0.7307
Trend p-Value		0.0713			0.1564	

Experiment Number: **G08015C**

Test Type: **Genetic Toxicology - In Vivo Alkaline Comet Assay**

Route: **Whole body**

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

G01: In Vivo Alkaline Comet Summary Data

Test Compound: **CDMA Radiofrequency**

CAS Number: **CELLPRADCDMA**

Date Report Requested: **04/18/2018**

Time Report Requested: **15:29:26**

Sex: Male; Method: 100-cell

		Frontal Cortex			Hippocampus	
Dose (W/kg)	**N**	**Percent Tail DNA**	**p-Value**	**N**	**Percent Tail DNA**	**p-Value**
Vehicle Control[1]	5	6.176 ± 0.719		5	5.875 ± 0.389	
1.5	5	5.995 ± 0.479	1.0000	5	8.064 ± 1.201	0.1346
3.0	5	9.509 ± 1.174	0.0815	5	8.159 ± 0.980	0.1511
6.0	5	12.779 ± 3.959	0.0488	5	10.420 ± 2.183	0.0187 *
Trend p-Value		0.0043 *			0.0138 *	

Experiment Number: **G08015C**

Test Type: **Genetic Toxicology - In Vivo Alkaline Comet Assay**

Route: **Whole body**

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

G01: In Vivo Alkaline Comet Summary Data

Test Compound: **CDMA Radiofrequency**

CAS Number: **CELLPRADCDMA**

Date Report Requested: **04/18/2018**

Time Report Requested: **15:29:26**

Sex: Male; Method: 100-cell

		Liver	
Dose (W/kg)	**N**	**Percent Tail DNA**	**p-Value**
Vehicle Control[1]	5	13.806 ± 2.884	
1.5	5	22.986 ± 2.774	0.0810
3.0	5	16.041 ± 2.144	0.0975
6.0	5	20.792 ± 3.100	0.0571
Trend p-Value		0.1535	

Experiment Number: **G08015C**

Test Type: **Genetic Toxicology - In Vivo Alkaline Comet Assay**

Route: **Whole body**

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

G01: In Vivo Alkaline Comet Summary Data

Test Compound: **CDMA Radiofrequency**

CAS Number: **CELLPRADCDMA**

Date Report Requested: **04/18/2018**

Time Report Requested: **15:29:26**

Sex: Male; Method: 150-cell

		Blood			Cerebellum	
Dose (W/kg)	**N**	**Percent Tail DNA**	**p-Value**	**N**	**Percent Tail DNA**	**p-Value**
Vehicle Control[1]	5	0.687 ± 0.204		5	4.897 ± 0.820	
1.5	5	1.157 ± 0.474	0.2955	5	6.328 ± 0.996	0.6814
3.0	5	1.827 ± 0.735	0.1210	5	13.746 ± 6.008	0.5040
6.0	5	2.571 ± 0.803	0.0259	5	15.857 ± 5.907	0.1632
Trend p-Value		0.0117 *			0.0608	

Experiment Number: **G08015C**

Test Type: **Genetic Toxicology - In Vivo Alkaline Comet Assay**

Route: **Whole body**

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

G01: In Vivo Alkaline Comet Summary Data

Test Compound: **CDMA Radiofrequency**

CAS Number: **CELLPRADCDMA**

Date Report Requested: **04/18/2018**

Time Report Requested: **15:29:26**

Sex: Male; Method: 150-cell

		Frontal Cortex			Hippocampus	
Dose (W/kg)	**N**	**Percent Tail DNA**	**p-Value**	**N**	**Percent Tail DNA**	**p-Value**
Vehicle Control[1]	5	9.731 ± 0.808		5	8.995 ± 1.553	
1.5	5	8.242 ± 0.393	1.0000	5	12.268 ± 2.213	0.2439
3.0	5	18.769 ± 3.266	0.0426	5	15.460 ± 2.246	0.1070
6.0	5	23.619 ± 8.661	0.0921	5	16.769 ± 5.443	0.0686
Trend p-Value		0.0053 *			0.0428	

Experiment Number: **G08015C**

Test Type: **Genetic Toxicology - In Vivo Alkaline Comet Assay**

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

G01: In Vivo Alkaline Comet Summary Data

Test Compound: **CDMA Radiofrequency**

CAS Number: **CELLPRADCDMA**

Date Report Requested: **04/18/2018**

Time Report Requested: **15:29:26**

Sex: Male; Method: 150-cell

		Liver	
Dose (W/kg)	**N**	**Percent Tail DNA**	**p-Value**
Vehicle Control[1]	5	25.711 ± 8.712	
1.5	5	55.412 ± 7.912	0.1360
3.0	5	19.107 ± 2.282	0.1642
6.0	5	40.010 ± 7.899	0.1140
Trend p-Value		0.3853	

Experiment Number: **G08015C**

Test Type: **Genetic Toxicology - In Vivo Alkaline Comet Assay**

Route: **Whole body**

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

G01: In Vivo Alkaline Comet Summary Data

Test Compound: **CDMA Radiofrequency**

CAS Number: **CELLPRADCDMA**

Date Report Requested: **04/18/2018**

Time Report Requested: **15:29:26**

Sex: Female; Method: 100-cell

		Blood			Cerebellum	
Dose (W/kg)	**N**	**Percent Tail DNA**	**p-Value**	**N**	**Percent Tail DNA**	**p-Value**
Vehicle Control[1]	5	3.149 ± 0.398		5	5.942 ± 0.975	
1.5	5	3.769 ± 1.187	0.3715	5	4.913 ± 0.579	0.6707
3.0	5	4.125 ± 0.544	0.3611	5	5.462 ± 0.825	0.7474
6.0	5	6.063 ± 2.183	0.0817	5	5.863 ± 0.838	0.6503
Trend p-Value		0.0477			0.4210	

Experiment Number: **G08015C**

Test Type: **Genetic Toxicology - In Vivo Alkaline Comet Assay**

Route: **Whole body**

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

G01: In Vivo Alkaline Comet Summary Data

Test Compound: **CDMA Radiofrequency**

CAS Number: **CELLPRADCDMA**

Date Report Requested: **04/18/2018**

Time Report Requested: **15:29:26**

Sex: Female; Method: 100-cell

		Frontal Cortex			Hippocampus	
Dose (W/kg)	**N**	**Percent Tail DNA**	**p-Value**	**N**	**Percent Tail DNA**	**p-Value**
Vehicle Control[1]	5	7.028 ± 1.211		4	13.137 ± 1.204	
1.5	5	12.702 ± 5.154	0.2047	5	14.943 ± 0.704	0.3460
3.0	5	9.500 ± 2.266	0.2490	5	15.237 ± 1.967	0.3793
6.0	5	12.996 ± 3.630	0.1496	5	19.107 ± 5.269	0.1259
Trend p-Value		0.1661			0.0799	

Experiment Number: **G08015C**

Test Type: **Genetic Toxicology - In Vivo Alkaline Comet Assay**

Route: **Whole body**

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

G01: In Vivo Alkaline Comet Summary Data

Test Compound: **CDMA Radiofrequency**

CAS Number: **CELLPRADCDMA**

Date Report Requested: **04/18/2018**

Time Report Requested: **15:29:26**

Sex: Female; Method: 100-cell

		Liver	
Dose (W/kg)	**N**	**Percent Tail DNA**	**p-Value**
Vehicle Control[1]	5	10.085 ± 0.866	
1.5	5	15.261 ± 3.351	0.6340
3.0	5	11.489 ± 2.047	1.0000
6.0	5	18.345 ± 3.439	0.1632
Trend p-Value		0.1129	

Experiment Number: **G08015C**

Test Type: **Genetic Toxicology - In Vivo Alkaline Comet Assay**

Route: **Whole body**

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

G01: In Vivo Alkaline Comet Summary Data

Test Compound: **CDMA Radiofrequency**

CAS Number: **CELLPRADCDMA**

Date Report Requested: **04/18/2018**

Time Report Requested: **15:29:26**

Sex: Female; Method: 150-cell

		Blood			Cerebellum	
Dose (W/kg)	**N**	**Percent Tail DNA**	**p-Value**	**N**	**Percent Tail DNA**	**p-Value**
Vehicle Control[1]	5	3.322 ± 0.091		5	4.933 ± 1.085	
1.5	5	4.450 ± 1.531	1.0000	5	4.614 ± 1.605	0.6213
3.0	5	3.940 ± 0.399	0.4647	5	3.888 ± 0.426	0.7092
6.0	5	12.760 ± 7.591	0.0280	5	5.876 ± 0.633	0.3421
Trend p-Value		0.0132 *			0.2485	

Experiment Number: **G08015C**

Test Type: **Genetic Toxicology - In Vivo Alkaline Comet Assay**

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Test Compound: **CDMA Radiofrequency**

CAS Number: **CELLPRADCDMA**

Date Report Requested: **04/18/2018**

Time Report Requested: **15:29:26**

Sex: Female; Method: 150-cell

		Frontal Cortex			Hippocampus	
Dose (W/kg)	**N**	**Percent Tail DNA**	**p-Value**	**N**	**Percent Tail DNA**	**p-Value**
Vehicle Control[1]	5	12.228 ± 2.180		4	18.079 ± 1.296	
1.5	5	25.375 ± 12.961	0.7819	5	20.575 ± 2.056	0.5308
3.0	5	18.698 ± 5.282	0.6340	5	20.626 ± 1.920	0.3820
6.0	5	33.488 ± 11.137	0.0921	5	29.549 ± 9.439	0.2177
Trend p-Value		0.0346			0.0683	

Experiment Number: **G08015C**

Test Type: **Genetic Toxicology - In Vivo Alkaline Comet Assay**

Route: **Whole body**

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CAS Number: **CELLPRADCDMA**

Date Report Requested: **04/18/2018**

Time Report Requested: **15:29:26**

Sex: Female; Method: 150-cell

		Liver	
Dose (W/kg)	**N**	**Percent Tail DNA**	**p-Value**
Vehicle Control[1]	5	12.408 ± 1.639	
1.5	5	26.150 ± 8.570	0.1454
3.0	5	16.170 ± 2.171	0.1761
6.0	5	26.651 ± 6.905	0.0593
Trend p-Value		0.1020	

LEGEND

CAS Number = Chemical Abstracts Service registry number
N = Number of subjects
Values given as Mean or Mean ± Standard Error Mean
*Statistically significant pairwise or trend at P<0.025 before rounding
Statistical analysis performed by Jonckheere or LinearTrend (trend) and Williams or Dunn (pairwise) tests
1: Vehicle Control: Air

** END OF REPORT **