Experiment Number: **A04322**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Diisopropylcarbodiimide**
CAS Number: **693-13-0**

Date Report Requested: **09/19/2018**
Time Report Requested: **23:15:31**

NTP Study Number:	A04322
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Equivocal

Experiment Number: **A04322**
Test Type: **Genetic Toxicology - Micronucleus**
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Date Report Requested: **09/19/2018**
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Tissue: Blood; Sex: Male; Number of Treatments: 1; Time interval between final treatment and cell sampling: 48 h

		MN PCE/1000		% PCE
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	5	3.00 ± 0.27		64.80 ± 1.98
20.0	5	1.90 ± 0.29	0.9422	64.00 ± 3.61
40.0	5	3.40 ± 0.29	0.3083	53.40 ± 6.53
60.0	5	3.90 ± 0.40	0.1389	43.00 ± 3.60
80.0	4	4.13 ± 0.47	0.1021	44.25 ± 4.76
100.0	5	3.10 ± 0.19	0.4490	36.50 ± 1.35
Trend p-Value		0.0630		
Positive Control[2]	5	7.10 ± 1.74	< 0.001 *	71.40 ± 1.85

Trial Summary: Equivocal

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Test Type: **Genetic Toxicology - Micronucleus**

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Tissue: Blood; Sex: Male; Number of Treatments: 1; Time interval between final treatment and cell sampling: 48 h

		MN PCE/1000		% PCE
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	5	2.90 ± 0.24		3.06 ± 0.24
40.0	5	3.90 ± 0.80	0.1122	3.06 ± 0.44
60.0	4	4.75 ± 1.36	0.0214	3.78 ± 0.19
80.0	5	4.60 ± 0.62	0.0246	3.28 ± 0.24
Trend p-Value		0.0160 *		
Positive Control[2]	5	17.60 ± 3.44	< 0.001 *	3.06 ± 0.45

Trial Summary: Equivocal

Experiment Number: **A04322**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Intraperitoneal Injection**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Diisopropylcarbodiimide**

CAS Number: **693-13-0**

Date Report Requested: **09/19/2018**

Time Report Requested: **23:15:31**

Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

		MN PCE/1000		% PCE
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	5	3.30 ± 0.72		52.20 ± 8.57
4.375	5	1.00 ± 0.45	0.9998	58.30 ± 5.60
8.75	4	2.13 ± 0.55	0.9317	57.75 ± 3.51
17.5	5	2.10 ± 0.43	0.9490	59.20 ± 5.49
35.0	3	1.33 ± 0.44	0.9914	59.33 ± 4.18
Trend p-Value		0.9440		
Positive Control[2]	5	18.80 ± 1.87	< 0.001 *	54.20 ± 4.31

Trial Summary: Equivocal

Experiment Number: **A04322**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Diisopropylcarbodiimide**
CAS Number: **693-13-0**

Date Report Requested: **09/19/2018**
Time Report Requested: **23:15:31**

Tissue: Bone marrow; Sex: Male; Number of Treatments: 1; Time interval between final treatment and cell sampling: 48 h

		MN PCE/1000		% PCE
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	5	2.90 ± 0.29		5.10 ± 0.57
20.0	5	3.10 ± 0.40	0.4173	6.50 ± 0.63
40.0	5	4.50 ± 0.50	0.0661	5.72 ± 0.77
60.0	5	6.60 ± 1.91	0.0011 *	5.28 ± 0.53
80.0	4	5.13 ± 0.88	0.0271	5.13 ± 0.37
100.0	5	4.70 ± 0.68	0.0473	5.04 ± 0.24
Trend p-Value		0.0070 *		
Positive Control[2]	5	15.90 ± 2.36	< 0.001 *	5.38 ± 0.40

Trial Summary: Equivocal

Experiment Number: **A04322**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

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Test Compound: **Diisopropylcarbodiimide**
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Date Report Requested: **09/19/2018**
Time Report Requested: **23:15:31**

Tissue: Bone marrow; Sex: Male; Number of Treatments: 1; Time interval between final treatment and cell sampling: 24 h

		MN PCE/1000		% PCE
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	5	0.90 ± 0.37		57.00 ± 4.10
40.0	5	1.50 ± 0.57	0.1986	55.90 ± 1.96
60.0	5	1.30 ± 0.70	0.2778	49.70 ± 5.76
80.0	5	2.30 ± 0.46	0.0435	41.90 ± 3.66
Trend p-Value		0.0580		
Positive Control[2]	5	9.60 ± 2.20	< 0.001 *	55.20 ± 1.83

Trial Summary: Equivocal

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 1; Time interval between final treatment and cell sampling: 48 h

		MN PCE/1000		% PCE
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	5	1.30 ± 0.44		58.60 ± 0.86
40.0	5	1.20 ± 0.41	0.5793	44.10 ± 4.25
60.0	4	0.38 ± 0.24	0.9807	45.88 ± 3.17
80.0	5	0.70 ± 0.34	0.9103	52.70 ± 4.79
Trend p-Value		0.9670		
Positive Control[2]	5	3.20 ± 1.41	0.0023 *	48.20 ± 3.32

Trial Summary: Equivocal

LEGEND

MN = micronucleated, PCE = polychromatic erythrocyte, NCE = normochromatic erythrocyte
CAS Number = Chemical Abstracts Service registry number
N = Number of subjects
Values given as Mean or Mean ± Standard Error Mean
Results were tabulated as the mean of the pooled results from all animals within a treatment group, plus or minus the standard error of the mean
Pairwise comparison to the concurrent control, dosed groups significant at p = 0.025/number of treatment groups; positive control value is significant at p = 0.05
Cochran-Armitage trend test, significant at p = 0.025
* Statistically significant pairwise or trend test
1: Vehicle Control: Corn Oil
2: 25.0 mg/kg Cyclophosphamide

** END OF REPORT **