Experiment Number: **222213**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Caprolactam**
CAS Number: **105-60-2**

Date Report Requested: **09/19/2018**
Time Report Requested: **14:09:51**

NTP Study Number:	222213
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Negative

Experiment Number: **222213**
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Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

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Test Compound: **Caprolactam**
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Date Report Requested: **09/19/2018**
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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	2.10 ± 0.64		29.50 ± 3.75
162.5	5	2.00 ± 0.42	0.5621	36.10 ± 5.12
325.0	3	3.17 ± 1.09	0.0954	30.83 ± 0.73
Trend p-Value		0.1120		
Positive Control[2]	5	5.80 ± 0.78	< 0.001 *	37.80 ± 2.63

Trial Summary: Negative

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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	2.60 ± 0.33		50.40 ± 7.14
162.5	5	3.80 ± 0.46	0.0665	51.90 ± 5.62
325.0	5	2.80 ± 0.54	0.3926	44.20 ± 3.07
487.5	5	3.30 ± 0.58	0.1807	46.08 ± 5.43
Trend p-Value		0.3300		
Positive Control[2]	5	8.00 ± 0.95	< 0.001 *	53.20 ± 2.62

Trial Summary: Negative

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: Phosphate Buffered Saline
2: 0.2 mg/kg Mitomycin-C

** END OF REPORT **