Experiment Number: **A29734**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **o-Nitrotoluene**
CAS Number: **88-72-2**

Date Report Requested: **09/20/2018**
Time Report Requested: **08:38:02**

NTP Study Number:	A29734
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Negative

Experiment Number: **A29734**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **o-Nitrotoluene**
CAS Number: **88-72-2**

Date Report Requested: **09/20/2018**
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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	0.90 ± 0.10		44.50 ± 1.68
100.0	5	1.50 ± 0.16	0.1102	43.10 ± 2.00
200.0	5	1.30 ± 0.60	0.1968	47.80 ± 2.02
300.0	5	1.60 ± 0.37	0.0806	43.30 ± 1.50
400.0	5	1.80 ± 0.30	0.0415	42.60 ± 3.31
Trend p-Value		0.0550		
Positive Control[2]	5	6.20 ± 1.15	< 0.001 *	44.30 ± 2.12

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: Corn Oil
2: 25.0 mg/kg Cyclophosphamide

** END OF REPORT **