Experiment Number: **A38658**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **N-Ethyl-N-nitrosourea**
CAS Number: **759-73-9**

Date Report Requested: **09/20/2018**
Time Report Requested: **11:58:43**

NTP Study Number:	A38658
Study Duration:	48 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Positive

Experiment Number: **A38658**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **N-Ethyl-N-nitrosourea**
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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	1.20 ± 0.25		3.90 ± 0.47
62.5	5	40.10 ± 6.62	< 0.001 *	1.44 ± 0.15
125.0	5	49.50 ± 4.72	< 0.001 *	0.78 ± 0.10
250.0	5	13.20 ± 1.63	< 0.001 *	0.56 ± 0.07
Trend p-Value		0.1650		
Positive Control[2]	5	11.30 ± 1.63	< 0.001 *	3.34 ± 0.15

Trial Summary: Positive

Experiment Number: **A38658**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Intraperitoneal Injection**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **N-Ethyl-N-nitrosourea**

CAS Number: **759-73-9**

Date Report Requested: **09/20/2018**

Time Report Requested: **11:58:43**

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	1.00 ± 0.22		60.00 ± 4.21
62.5	5	8.20 ± 0.90	< 0.001 *	48.60 ± 7.03
125.0	5	26.40 ± 3.57	< 0.001 *	25.70 ± 2.91
250.0	7	19.93 ± 3.72	< 0.001 *	19.14 ± 2.15
Trend p-Value		< 0.001 *		
Positive Control[2]	5	4.00 ± 0.55	< 0.001 *	63.20 ± 1.36

Trial Summary: Positive

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: 15.0 mg/kg Cyclophosphamide

** END OF REPORT **