Experiment Number: **571690**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **2,4-Diaminotoluene (2,4-toluene diamine)**
CAS Number: **95-80-7**

Date Report Requested: **09/19/2018**
Time Report Requested: **18:29:16**

NTP Study Number:	571690
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Negative
Female Study Result:	Negative

Experiment Number: **571690**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Intraperitoneal Injection**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **2,4-Diaminotoluene (2,4-toluene diamine)**

CAS Number: **95-80-7**

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

Time Report Requested: **18:29:16**

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	2.90 ± 1.10		23.10 ± 2.48
50.0	5	2.40 ± 0.43	0.7542	24.80 ± 5.38
100.0	5	2.30 ± 0.34	0.7976	20.50 ± 2.60
200.0	4	2.00 ± 0.35	0.8852	7.25 ± 1.09
Trend p-Value		0.8810		
Positive Control[2]	5	8.00 ± 1.90	< 0.001 *	27.30 ± 5.87

Trial Summary: Negative

Experiment Number: **571690**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Intraperitoneal Injection**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **2,4-Diaminotoluene (2,4-toluene diamine)**

CAS Number: **95-80-7**

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

Time Report Requested: **18:29:16**

Tissue: Bone marrow; Sex: Female; 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	2.30 ± 0.46		28.00 ± 3.94
50.0	5	2.00 ± 0.59	0.6765	18.90 ± 1.87
100.0	5	1.50 ± 0.35	0.9030	21.50 ± 3.27
200.0	5	2.20 ± 0.41	0.5593	13.20 ± 1.62
Trend p-Value		0.5600		
Positive Control[2]	5	5.40 ± 0.80	< 0.001 *	32.70 ± 4.64

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 **