Experiment Number: **889785**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **2,6-Toluenediamine dihydrochloride (2,6-diaminotoluene dihydrochloride)**
CAS Number: **15481-70-6**

Date Report Requested: **09/19/2018**
Time Report Requested: **21:02:41**

NTP Study Number:	889785
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Positive

Experiment Number: **889785**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Intraperitoneal Injection**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

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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	1.60 ± 0.43		51.20 ± 2.82
15.6	5	1.70 ± 0.34	0.4308	43.20 ± 7.16
31.25	5	3.90 ± 0.80	< 0.001 *	42.70 ± 3.40
62.5	5	3.70 ± 0.73	0.0019 *	42.10 ± 3.14
Trend p-Value		< 0.001 *		
Positive Control[2]	5	7.70 ± 0.92	< 0.001 *	48.40 ± 3.98

Trial Summary: Positive

Experiment Number: **889785**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Intraperitoneal Injection**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **2,6-Toluenediamine dihydrochloride (2,6-diaminotoluene dihydrochloride)**

CAS Number: **15481-70-6**

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

Time Report Requested: **21:02:41**

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	2.00 ± 0.35		46.70 ± 3.99
31.25	5	2.70 ± 0.73	0.2638	26.80 ± 6.10
62.5	4	5.50 ± 2.04	0.0077 *	35.50 ± 4.23
Trend p-Value		0.0070 *		
Positive Control[2]	5	6.20 ± 1.25	< 0.001 *	39.50 ± 7.48

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: 0.5 mg/kg Mitomycin-C

** END OF REPORT **