Experiment Number: **756856**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **2,4-Dimethoxyaniline hydrochloride**
CAS Number: **54150-69-5**

Date Report Requested: **09/19/2018**
Time Report Requested: **20:06:03**

NTP Study Number:	756856
Study Duration:	96 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Negative

Experiment Number: **756856**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Intraperitoneal Injection**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **2,4-Dimethoxyaniline hydrochloride**

CAS Number: **54150-69-5**

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

Time Report Requested: **20:06:03**

Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; 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]	3	1.67 ± 0.88		38.00 ± 3.56
100.0	3	1.00 ± 1.00	0.7356	38.20 ± 0.35
300.0	3	2.33 ± 0.33	0.3035	47.53 ± 3.09
500.0	3	2.00 ± 0.58	0.3941	38.70 ± 1.66
Trend p-Value		0.2470		

Trial Summary: Negative

Experiment Number: **756856**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **2,4-Dimethoxyaniline hydrochloride**
CAS Number: **54150-69-5**

Date Report Requested: **09/19/2018**
Time Report Requested: **20:06:03**

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 ± 0.24		40.36 ± 3.14
125.0	5	1.80 ± 0.51	0.3657	42.70 ± 2.35
250.0	5	1.10 ± 0.40	0.8322	35.34 ± 2.66
500.0	4	1.25 ± 0.32	0.7305	27.33 ± 4.77
Trend p-Value		0.8220		
Positive Control[2]	2	6.75 ± 0.25	< 0.001 *	20.70 ± 2.90

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: 12.5 mg/kg Dimethylbenzanthracene

** END OF REPORT **