Experiment Number: **563139**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **o-Anisidine hydrochloride**
CAS Number: **134-29-2**

Date Report Requested: **09/19/2018**
Time Report Requested: **18:17:27**

NTP Study Number:	563139
Study Duration:	96 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Negative

Experiment Number: **563139**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **o-Anisidine hydrochloride**
CAS Number: **134-29-2**

Date Report Requested: **09/19/2018**
Time Report Requested: **18:17:27**

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	0.33 ± 0.33		45.30 ± 1.90
100.0	3	1.67 ± 1.20	0.0885	47.90 ± 2.41
300.0	3	1.33 ± 0.88	0.1337	48.33 ± 1.67
500.0	3	0.67 ± 0.33	0.3166	48.23 ± 2.33
Trend p-Value		0.5000		

Trial Summary: Negative

Experiment Number: **563139**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
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G04: In Vivo Micronucleus Summary Data
Test Compound: **o-Anisidine hydrochloride**
CAS Number: **134-29-2**

Date Report Requested: **09/19/2018**
Time Report Requested: **18:17:27**

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	0.40 ± 0.19		41.82 ± 2.08
125.0	5	1.90 ± 0.33	< 0.001 *	42.46 ± 1.98
250.0	5	1.10 ± 0.29	0.0353	41.14 ± 1.09
500.0	5	1.70 ± 0.51	0.0023 *	42.60 ± 2.95
Trend p-Value		0.0310		
Positive Control[2]	5	3.90 ± 0.75	< 0.001 *	42.26 ± 2.42

Trial Summary: Negative

Experiment Number: **563139**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **o-Anisidine hydrochloride**
CAS Number: **134-29-2**

Date Report Requested: **09/19/2018**
Time Report Requested: **18:17:27**

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	1.50 ± 0.32		49.74 ± 1.63
125.0	5	1.70 ± 0.41	0.3617	42.90 ± 1.32
250.0	5	0.90 ± 0.37	0.8898	44.32 ± 3.56
500.0	5	2.40 ± 0.48	0.0746	47.38 ± 1.75
Trend p-Value		0.0740		
Positive Control[2]	5	3.50 ± 0.57	0.0023 *	37.18 ± 4.20

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 **