Experiment Number: **A50336**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Danthron**
CAS Number: **117-10-2**

Date Report Requested: **09/20/2018**
Time Report Requested: **17:26:18**

NTP Study Number:	A50336
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Negative
Female Study Result:	Negative

Experiment Number: **A50336**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Danthron**
CAS Number: **117-10-2**

Date Report Requested: **09/20/2018**
Time Report Requested: **17:26:18**

Tissue: Blood; 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	1.70 ± 0.25		8.50 ± 0.69
312.5	5	3.10 ± 0.60	0.0215	5.90 ± 0.80
625.0	5	1.80 ± 0.25	0.4328	5.40 ± 0.64
1250.0	5	1.10 ± 0.33	0.8717	5.30 ± 0.46
2500.0	5	1.90 ± 0.19	0.3693	7.00 ± 1.15
Trend p-Value		0.8170		
Positive Control[2]	4	23.88 ± 1.82	< 0.001 *	4.88 ± 0.43

Trial Summary: Negative

Experiment Number: **A50336**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Intraperitoneal Injection**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Danthron**

CAS Number: **117-10-2**

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

Time Report Requested: **17:26:18**

Tissue: Blood; 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	1.90 ± 0.24		6.60 ± 0.89
312.5	5	1.50 ± 0.35	0.7538	5.10 ± 0.58
625.0	5	2.20 ± 0.25	0.3195	5.50 ± 0.45
1250.0	4	1.13 ± 0.38	0.9051	6.00 ± 0.74
2500.0	5	1.50 ± 0.32	0.7538	6.90 ± 0.43
Trend p-Value		0.8000		
Positive Control[2]	5	13.80 ± 0.46	< 0.001 *	5.20 ± 0.78

Trial Summary: Negative

Experiment Number: **A50336**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Intraperitoneal Injection**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Danthron**

CAS Number: **117-10-2**

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

Time Report Requested: **17:26:18**

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	1.30 ± 0.37		49.70 ± 3.42
312.5	4	1.38 ± 0.24	0.4455	43.88 ± 3.48
625.0	4	0.75 ± 0.32	0.8706	38.50 ± 1.97
1250.0	5	0.90 ± 0.19	0.8032	43.30 ± 4.35
2500.0	5	0.40 ± 0.19	0.9855	37.90 ± 2.29
Trend p-Value		0.9890		
Positive Control[2]	5	15.80 ± 0.98	< 0.001 *	38.80 ± 3.70

Trial Summary: Negative

Experiment Number: **A50336**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Danthron**
CAS Number: **117-10-2**

Date Report Requested: **09/20/2018**
Time Report Requested: **17:26:18**

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	1.30 ± 0.25		49.30 ± 1.90
312.5	5	1.30 ± 0.44	0.5000	42.50 ± 2.56
625.0	3	0.83 ± 0.17	0.8030	32.17 ± 7.42
1250.0	5	1.00 ± 0.27	0.7343	32.30 ± 4.58
2500.0	2	1.75 ± 0.25	0.2621	35.25 ± 5.75
Trend p-Value		0.3540		
Positive Control[2]	5	11.20 ± 1.61	< 0.001 *	40.50 ± 2.12

Trial Summary: Negative

Experiment Number: **A50336**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Intraperitoneal Injection**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Danthron**

CAS Number: **117-10-2**

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

Time Report Requested: **17:26:18**

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	1.10 ± 0.19		49.70 ± 1.38
312.5	5	1.00 ± 0.35	0.5864	43.80 ± 4.05
625.0	5	1.30 ± 0.25	0.3415	49.30 ± 2.67
1250.0	5	1.20 ± 0.20	0.4174	42.90 ± 2.67
2500.0	5	0.90 ± 0.29	0.6727	38.50 ± 6.69
Trend p-Value		0.6660		
Positive Control[2]	5	10.00 ± 0.82	< 0.001 *	49.40 ± 4.93

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: 25.0 mg/kg Cyclophosphamide

** END OF REPORT **