Experiment Number: **A62048**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **2-Mercaptobenzothiazole**
CAS Number: **149-30-4**

Date Report Requested: **09/20/2018**
Time Report Requested: **22:33:15**

NTP Study Number:	A62048
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Negative

Experiment Number: **A62048**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **2-Mercaptobenzothiazole**
CAS Number: **149-30-4**

Date Report Requested: **09/20/2018**
Time Report Requested: **22:33:15**

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	0.30 ± 0.12		59.90 ± 2.59
400.0	5	0.10 ± 0.10	0.8414	50.70 ± 4.27
600.0	5	0.50 ± 0.39	0.2397	50.80 ± 3.30
800.0	4	0.50 ± 0.20	0.2494	42.13 ± 7.01
1000.0	3	0.17 ± 0.17	0.6972	48.33 ± 8.77
Trend p-Value		0.3530		
Positive Control[2]	5	0.80 ± 0.44	0.0658	55.10 ± 1.44

Trial Summary: Negative

Experiment Number: **A62048**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **2-Mercaptobenzothiazole**
CAS Number: **149-30-4**

Date Report Requested: **09/20/2018**
Time Report Requested: **22:33:15**

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]	4	1.75 ± 0.48		57.38 ± 4.30
400.0	5	2.50 ± 0.22	0.1411	61.40 ± 1.54
600.0	3	2.83 ± 0.73	0.0886	49.67 ± 9.11
Trend p-Value		0.0820		
Positive Control[2]	5	12.40 ± 2.14	< 0.001 *	61.50 ± 3.76

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 **