Experiment Number: **A06027**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Inhalation**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **2-Mercaptobenzimidazole**
CAS Number: **583-39-1**

Date Report Requested: **09/19/2018**
Time Report Requested: **23:57:15**

NTP Study Number:	A06027
Study Duration:	13 Weeks
Study Methodology:	Slide Scoring
Male Study Result:	Negative
Female Study Result:	Negative

Experiment Number: **A06027**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Inhalation**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **2-Mercaptobenzimidazole**

CAS Number: **583-39-1**

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

Time Report Requested: **23:57:15**

Tissue: Blood; Sex: Male; Number of Treatments: 65; Time interval between final treatment and cell sampling: 24 h

		MN NCE/1000	
Dose (mg/m3)	**N**	**Mean ± SEM**	**p-Value**
Vehicle Control[1]	10	1.86 ± 0.16	
12.5	10	1.65 ± 0.14	0.8907
25.0	10	1.59 ± 0.12	0.9444
50.0	10	1.78 ± 0.10	0.6903
Trend p-Value		0.6020	

Trial Summary: Negative

Experiment Number: **A06027**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Inhalation**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **2-Mercaptobenzimidazole**

CAS Number: **583-39-1**

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

Time Report Requested: **23:57:15**

Tissue: Blood; Sex: Female; Number of Treatments: 65; Time interval between final treatment and cell sampling: 24 h

		MN NCE/1000	
Dose (mg/m3)	**N**	**Mean ± SEM**	**p-Value**
Vehicle Control[1]	10	1.25 ± 0.09	
12.5	10	1.23 ± 0.10	0.5380
25.0	10	1.24 ± 0.15	0.5264
50.0	10	1.39 ± 0.10	0.1732
Trend p-Value		0.1470	

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: Air

** END OF REPORT **