Experiment Number: **A69851**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Dosed-Feed**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **2-Methylimidazole**
CAS Number: **693-98-1**

Date Report Requested: **09/21/2018**
Time Report Requested: **01:10:25**

NTP Study Number:	A69851
Study Duration:	92 Days
Study Methodology:	Slide Scoring
Male Study Result:	Positive
Female Study Result:	Positive

Experiment Number: **A69851**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Dosed-Feed**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **2-Methylimidazole**
CAS Number: **693-98-1**

Date Report Requested: **09/21/2018**
Time Report Requested: **01:10:25**

Tissue: Blood; Sex: Male; Number of Treatments: 92; Time interval between final treatment and cell sampling: 0 h

		MN NCE/1000	
Dose (ppm)	**N**	**Mean ± SEM**	**p-Value**
Vehicle Control[1]	5	1.70 ± 0.25	
625.0	5	1.80 ± 0.41	0.4328
1250.0	5	2.20 ± 0.34	0.2114
2500.0	5	3.60 ± 0.33	0.0045 *
5000.0	5	3.70 ± 0.30	0.0032 *
10000.0	5	4.90 ± 0.37	< 0.001 *
Trend p-Value		< 0.001 *	

Trial Summary: Positive

Experiment Number: **A69851**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Dosed-Feed**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **2-Methylimidazole**
CAS Number: **693-98-1**

Date Report Requested: **09/21/2018**
Time Report Requested: **01:10:25**

Tissue: Blood; Sex: Female; Number of Treatments: 92; Time interval between final treatment and cell sampling: 0 h

		MN NCE/1000	
Dose (ppm)	**N**	**Mean ± SEM**	**p-Value**
Vehicle Control[1]	5	2.50 ± 0.27	
625.0	5	2.60 ± 0.33	0.4442
1250.0	5	3.00 ± 0.35	0.2498
2500.0	5	3.80 ± 0.46	0.0505
5000.0	5	4.00 ± 0.59	0.0312
10000.0	5	4.60 ± 0.62	0.0063
Trend p-Value		0.0010 *	

Trial Summary: Positive

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: Feed

** END OF REPORT **