Experiment Number: **A12637**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Dosed-Feed**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **4-Methylimidazole**
CAS Number: **822-36-6**

Date Report Requested: **09/20/2018**
Time Report Requested: **02:45:11**

NTP Study Number:	A12637
Study Duration:	92 Days
Study Methodology:	Slide Scoring
Male Study Result:	Negative
Female Study Result:	Negative

Experiment Number: **A12637**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Dosed-Feed**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **4-Methylimidazole**

CAS Number: **822-36-6**

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

Time Report Requested: **02:45:11**

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	1.90 ± 0.56	
625.0	5	1.70 ± 0.20	0.6307
1250.0	5	1.90 ± 0.33	0.5000
2500.0	5	2.10 ± 0.24	0.3758
5000.0	5	2.50 ± 0.59	0.1826
10000.0	3	1.83 ± 0.33	0.5376
Trend p-Value		0.3260	

Trial Summary: Negative

Experiment Number: **A12637**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Dosed-Feed**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **4-Methylimidazole**

CAS Number: **822-36-6**

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

Time Report Requested: **02:45:11**

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	2.30 ± 0.25	
625.0	5	2.40 ± 0.43	0.4419
1250.0	5	2.50 ± 0.35	0.3863
2500.0	5	1.70 ± 0.44	0.8289
5000.0	5	2.50 ± 0.32	0.3863
10000.0	5	2.90 ± 0.70	0.2024
Trend p-Value		0.1530	

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: Feed

** END OF REPORT **