Experiment Number: **011066**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Methyl methacrylate**
CAS Number: **80-62-6**

Date Report Requested: **09/19/2018**
Time Report Requested: **11:26:09**

NTP Study Number:	011066
Study Duration:	96 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Equivocal

Experiment Number: **011066**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Intraperitoneal Injection**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Methyl methacrylate**

CAS Number: **80-62-6**

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

Time Report Requested: **11:26:09**

Tissue: Blood; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 48 h

		MN PCE/1000		% PCE
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	5	1.70 ± 0.37		2.26 ± 0.29
1000.0	5	2.50 ± 0.57	0.1694	2.22 ± 0.33
1250.0	5	3.20 ± 1.14	0.0484	1.60 ± 0.32
1500.0	5	2.50 ± 0.35	0.1694	1.96 ± 0.37
Trend p-Value		0.0930		

Trial Summary: Equivocal

Experiment Number: **011066**
Test Type: **Genetic Toxicology - Micronucleus**
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Date Report Requested: **09/19/2018**
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Tissue: Blood; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 48 h

		MN PCE/1000		% PCE
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	5	2.90 ± 0.94		2.88 ± 0.46
1750.0	3	3.33 ± 0.44	0.3718	1.97 ± 0.09
Trend p-Value		0.3720		

Trial Summary: Equivocal

Experiment Number: **011066**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Intraperitoneal Injection**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Methyl methacrylate**

CAS Number: **80-62-6**

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

Time Report Requested: **11:26:09**

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	2.10 ± 0.24		4.04 ± 0.23
437.0	5	2.30 ± 0.41	0.3814	2.50 ± 0.23
875.0	5	2.40 ± 0.37	0.3272	3.08 ± 0.24
1750.0	5	3.70 ± 0.46	0.0177	2.78 ± 0.27
Trend p-Value		0.0100 *		
Positive Control[2]	5	7.40 ± 0.93	< 0.001 *	2.44 ± 0.11

Trial Summary: Equivocal

Experiment Number: **011066**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Intraperitoneal Injection**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Methyl methacrylate**

CAS Number: **80-62-6**

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

Time Report Requested: **11:26:09**

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	2.50 ± 0.27		57.30 ± 2.11
437.0	5	2.80 ± 0.58	0.3399	47.00 ± 4.89
875.0	5	2.90 ± 0.58	0.2929	50.30 ± 2.66
1750.0	5	4.40 ± 1.11	0.0110	54.30 ± 2.34
Trend p-Value		0.0060 *		
Positive Control[2]	5	7.30 ± 1.10	< 0.001 *	46.10 ± 2.32

Trial Summary: Equivocal

Experiment Number: **011066**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Methyl methacrylate**
CAS Number: **80-62-6**

Date Report Requested: **09/19/2018**
Time Report Requested: **11:26:09**

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	1.80 ± 0.30		63.30 ± 1.60
875.0	5	2.00 ± 0.35	0.3727	51.30 ± 4.64
1750.0	3	2.83 ± 0.33	0.0878	53.33 ± 2.89
Trend p-Value		0.0950		
Positive Control[2]	4	7.75 ± 0.97	< 0.001 *	63.38 ± 2.83

Trial Summary: Equivocal

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: 12.5 mg/kg Dimethylbenzanthracene

** END OF REPORT **