Experiment Number: **A56274**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Diglycidyl resorcinol ether (DGRE)**
CAS Number: **101-90-6**

Date Report Requested: **09/20/2018**
Time Report Requested: **19:56:16**

NTP Study Number:	A56274
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Positive

Experiment Number: **A56274**
Test Type: **Genetic Toxicology - Micronucleus**
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Date Report Requested: **09/20/2018**
Time Report Requested: **19:56:16**

Tissue: Bone marrow; Sex: Male; Number of Treatments: 1; Time interval between final treatment and cell sampling: 24 h

		MN PCE/1000			MN NCE/1000		% PCE
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[1]	5	1.70 ± 0.37		5	0.00 ± 0.00		32.30 ± 2.61
100.0	5	1.60 ± 0.75	0.5332	5	0.00 ± 0.00	0.5000	32.54 ± 1.47
200.0	5	4.30 ± 1.09	0.0539	5	0.00 ± 0.00	0.5000	36.30 ± 2.05
400.0	5	7.20 ± 2.72	0.0026 *	5	0.00 ± 0.00	0.5000	27.50 ± 1.44
Trend p-Value		< 0.001 *					
Positive Control[2]	5	5.20 ± 0.85	< 0.001 *	5	0.00 ± 0.00	0.5000	30.48 ± 2.07

Trial Summary: Positive

Experiment Number: **A56274**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Diglycidyl resorcinol ether (DGRE)**
CAS Number: **101-90-6**

Date Report Requested: **09/20/2018**
Time Report Requested: **19:56:16**

Tissue: Bone marrow; Sex: Male; Number of Treatments: 1; Time interval between final treatment and cell sampling: 24 h

		MN PCE/1000			MN NCE/1000		% PCE
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[3]	5	1.80 ± 0.75		5	0.00 ± 0.00		29.36 ± 2.24
100.0	5	1.20 ± 0.25	0.7135	5	0.00 ± 0.00	0.5000	30.32 ± 1.76
200.0	5	3.50 ± 0.76	0.1147	5	0.00 ± 0.00	0.5000	31.58 ± 1.62
400.0	5	14.50 ± 3.74	< 0.001 *	5	0.00 ± 0.00	0.5000	28.20 ± 2.25
Trend p-Value		< 0.001 *					
Positive Control[2]	5	20.10 ± 4.28	< 0.001 *	5	0.00 ± 0.00	0.5000	29.08 ± 1.08

Trial Summary: Positive

Experiment Number: **A56274**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Intraperitoneal Injection**
Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Diglycidyl resorcinol ether (DGRE)**
CAS Number: **101-90-6**

Date Report Requested: **09/20/2018**
Time Report Requested: **19:56:16**

Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

		MN PCE/1000			MN NCE/1000		% PCE
Dose (mg/kg)	**N**	**Mean ± SEM**	**p-Value**	**N**	**Mean ± SEM**	**p-Value**	**Mean ± SEM**
Vehicle Control[3]	5	2.22 ± 0.51		5	0.00 ± 0.00		26.46 ± 1.26
50.0	4	1.50 ± 0.35	0.7609	4	0.00 ± 0.00	0.5000	26.35 ± 1.47
100.0	5	2.10 ± 0.73	0.5472	5	0.00 ± 0.00	0.5000	24.80 ± 1.74
200.0	4	4.75 ± 1.76	0.0325	4	0.00 ± 0.00	0.5000	25.93 ± 3.61
300.0	1	12.50 ± 0.00	< 0.001 *	1	0.00 ± 0.00	< 0.001 *	20.90 ± 0.00
Trend p-Value		0.0090 *					
Positive Control[4]	5	11.00 ± 2.14	< 0.001 *	5	0.00 ± 0.00	0.5000	22.06 ± 1.43

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: Corn Oil
2: 25.0 mg/kg Dimethylbenzanthracene
3: Vehicle Control: Dimethyl Sulfoxide
4: 12.5 mg/kg Dimethylbenzanthracene

** END OF REPORT **