

Experiment Number: A50288  
Test Type: Genetic Toxicology - Micronucleus  
Route: Intraperitoneal Injection  
Species/Strain: Mouse/B6C3F1

**G04: In Vivo Micronucleus Summary Data**  
Test Compound: Dimethylvinyl chloride (DMVC)  
CAS Number: 513-37-1

Date Report Requested: 09/20/2018  
Time Report Requested: 17:21:11

**NTP Study Number:** A50288  
**Study Duration:** 72 Hours  
**Study Methodology:** Slide Scoring  
**Male Study Result:** Positive

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

Dose (mg/kg)	N	MN PCE/1000		N	MN NCE/1000		% PCE
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control <sup>1</sup>	5	1.70 ± 0.46		3	0.00 ± 0.00		47.63 ± 0.66
39.062	5	0.60 ± 0.37	0.9891	2	0.00 ± 0.00	0.5000	41.45 ± 4.05
78.125	3	2.00 ± 0.29	0.3329	2	0.00 ± 0.00	0.5000	41.75 ± 2.15
156.25	5	7.90 ± 0.73	< 0.001 *	4	0.00 ± 0.00	0.5000	46.05 ± 1.33
312.5	5	16.30 ± 1.65	< 0.001 *	5	0.00 ± 0.00	0.5000	28.06 ± 2.14
625.0	3	25.00 ± 2.52	< 0.001 *	3	0.00 ± 0.00	0.5000	9.87 ± 0.35
Trend p-Value		< 0.001 *					
Positive Control <sup>2</sup>	5	16.90 ± 1.78	< 0.001 *	5	0.00 ± 0.00	0.5000	50.92 ± 4.36

Trial Summary: Positive

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	N	Mean ± SEM	p-Value	N	Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control <sup>1</sup>	4	1.75 ± 0.48		2	0.00 ± 0.00		45.95 ± 2.45
78.0	5	1.50 ± 0.42	0.6611	4	0.00 ± 0.00	0.5000	46.03 ± 1.74
156.0	5	6.50 ± 0.76	< 0.001 *	2	0.00 ± 0.00	0.5000	43.40 ± 3.40
312.0	5	17.50 ± 2.00	< 0.001 *	5	0.00 ± 0.00	0.5000	28.50 ± 1.61
Trend p-Value		< 0.001 *					
Positive Control <sup>2</sup>	5	10.40 ± 2.19	< 0.001 *	5	0.00 ± 0.00	0.5000	45.18 ± 0.65

Trial Summary: Positive

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#### LEGEND

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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  $\pm$  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  $p = 0.025/\text{number of treatment groups}$ ; 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 Cyclophosphamide

**\*\* END OF REPORT \*\***