

Experiment Number: A35968

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Rat/Fischer 344

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: 10:47:28

NTP Study Number:

A35968

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	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	1.10 ± 0.24		40.50 ± 3.04
19.53	5	1.30 ± 0.34	0.3979	42.40 ± 3.32
39.06	5	1.10 ± 0.10	0.5000	46.20 ± 2.47
78.13	5	1.40 ± 0.33	0.3518	33.30 ± 2.39
156.25	5	2.70 ± 0.34	0.0498	42.10 ± 2.70
312.5	5	4.20 ± 1.01	0.0034 *	28.50 ± 2.44
625.0	5	8.30 ± 2.17	< 0.001 *	20.10 ± 1.85
1250.0	3	8.00 ± 4.54	< 0.001 *	18.67 ± 6.23
Trend p-Value		< 0.001 *		
Positive Control ²	5	20.30 ± 2.09	< 0.001 *	31.70 ± 1.57

Trial Summary: Positive

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	1.40 ± 0.24		44.50 ± 2.69
156.25	5	2.60 ± 0.33	0.0288	38.00 ± 2.82
312.5	5	3.20 ± 0.54	0.0039 *	31.70 ± 4.23
625.0	5	8.00 ± 1.21	< 0.001 *	40.70 ± 2.27
Trend p-Value		< 0.001 *		
Positive Control ²	5	19.40 ± 0.68	< 0.001 *	13.50 ± 1.57

Trial Summary: Positive

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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 \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: 15.0 mg/kg Cyclophosphamide

**** END OF REPORT ****