

Experiment Number: A23879

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: Vinyl acetate

CAS Number: 108-05-4

Date Report Requested: 09/20/2018

Time Report Requested: 06:06:54

NTP Study Number:

A23879

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

		MN PCE/1000		% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	Mean ± SEM	
Vehicle Control ¹	5	0.40 ± 0.19		63.00 ± 2.89	
93.75	5	1.40 ± 0.37	0.0092	59.50 ± 7.67	
187.0	5	0.90 ± 0.19	0.0827	54.60 ± 4.07	
375.0	5	1.80 ± 0.64	0.0014 *	57.30 ± 5.37	
750.0	5	2.30 ± 0.80	< 0.001 *	51.60 ± 3.97	
1500.0	2	2.00 ± 0.50	0.0017 *	46.50 ± 0.00	
Trend p-Value		0.0010 *			
Positive Control ²	5	27.00 ± 4.48	< 0.001 *	30.90 ± 4.26	

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	0.50 ± 0.22		39.50 ± 4.33
250.0	5	0.90 ± 0.19	0.1424	43.10 ± 5.02
500.0	5	1.90 ± 0.64	0.0021 *	41.80 ± 1.85
750.0	1	2.00 ± 0.00	< 0.001 *	33.00 ± 0.00
Trend p-Value		0.0010 *		
Positive Control ²	5	37.02 ± 2.69	< 0.001 *	3.80 ± 0.54

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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: 25.0 mg/kg Cyclophosphamide

**** END OF REPORT ****