

Experiment Number: A80150
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: Methyl vinyl ketone
CAS Number: 78-94-4

Date Report Requested: 09/21/2018

Time Report Requested: 05:20:40

NTP Study Number:	A80150
Study Duration:	72 Hours
Study Methodology:	Slide Scoring
Male Study Result:	Equivocal

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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		44.60 ± 2.69	
5.0	5	1.50 ± 0.42	0.0058 *	39.20 ± 1.68	
10.0	5	1.40 ± 0.19	0.0092 *	37.30 ± 3.55	
Trend p-Value		0.0160 *			
Positive Control ²	5	8.10 ± 2.83	< 0.001 *	16.60 ± 6.76	

Trial Summary: Equivocal

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Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	0.70 ± 0.34		5.34 ± 0.37
2.5	5	1.30 ± 0.30	0.0897	5.32 ± 0.17
5.0	5	0.60 ± 0.10	0.6093	4.94 ± 0.47
10.0	3	2.00 ± 0.29	0.0104	3.80 ± 0.68
Trend p-Value		0.0270		
Positive Control ²	5	36.40 ± 4.00	< 0.001 *	0.60 ± 0.08

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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 ****