

Experiment Number: A65262
Test Type: Genetic Toxicology - Micronucleus
Route: Inhalation
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Ethyl vinyl ketone
CAS Number: 1629-58-9

Date Report Requested: 09/20/2018
Time Report Requested: 23:35:40

NTP Study Number:	A65262
Study Duration:	13 Weeks
Study Methodology:	Slide Scoring
Male Study Result:	Negative
Female Study Result:	Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 65; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (ppm)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	0.70 ± 0.13	
2.0	10	1.00 ± 0.27	0.1516
4.0	10	0.84 ± 0.22	0.3064
8.0	10	0.95 ± 0.19	0.1919
Trend p-Value		0.2730	

Trial Summary: Negative

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Tissue: Blood; Sex: Female; Number of Treatments: 65; Time interval between final treatment and cell sampling: 24 h

MN NCE/1000			
Dose (ppm)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	0.42 ± 0.16	
2.0	10	0.60 ± 0.21	0.2583
4.0	10	0.55 ± 0.14	0.3158
8.0	10	0.35 ± 0.21	0.6169
Trend p-Value		0.6870	

Trial Summary: Negative

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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: Air

**** END OF REPORT ****