

Experiment Number: A32705

Test Type: Genetic Toxicology - Micronucleus

Route: Inhalation

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Nickel (II) oxide

CAS Number: 1313-99-1

Date Report Requested: 09/20/2018

Time Report Requested: 09:45:23

NTP Study Number:

A32705

Study Duration:

90 Days

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 (mg/m3)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	1.48 ± 0.20	
1.3	10	1.26 ± 0.16	0.8576
2.5	10	1.54 ± 0.14	0.3808
5.0	10	1.49 ± 0.14	0.4764
Trend p-Value		0.3190	
Positive Control ²	3	6.01 ± 1.50	< 0.001 *

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 (mg/m3)	N	Mean ± SEM	p-Value
Vehicle Control ¹	10	0.71 ± 0.13	
1.3	10	0.64 ± 0.10	0.6690
2.5	10	1.09 ± 0.07	0.0095
5.0	10	0.89 ± 0.09	0.1133
Trend p-Value		0.0450	

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

2: 0.2 mg/m³ Urne

**** END OF REPORT ****