

Experiment Number: A16062

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: Chromium picolinate

CAS Number: 14639-25-9

Date Report Requested: 09/20/2018

Time Report Requested: 04:16:13

NTP Study Number:

A16062

Study Duration:

72 Hours

Study Methodology:

Slide Scoring

Male Study Result:

Negative

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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		53.50 ± 1.39
156.0	5	0.50 ± 0.16	0.3694	54.30 ± 1.97
312.0	5	0.80 ± 0.12	0.1240	51.20 ± 1.03
625.0	5	0.50 ± 0.16	0.3694	53.50 ± 0.45
1250.0	5	0.60 ± 0.10	0.2635	50.90 ± 1.89
2500.0	5	0.60 ± 0.24	0.2635	51.70 ± 1.71
Trend p-Value		0.3850		
Positive Control ²	5	22.30 ± 1.03	< 0.001 *	33.70 ± 1.52
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: Corn Oil

2: 8.0 mg/kg Cyclophosphamide

**** END OF REPORT ****