

Experiment Number: A05124
Test Type: Genetic Toxicology - Micronucleus
Route: Intraperitoneal Injection
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: 2-Methylimidazole
CAS Number: 693-98-1

Date Report Requested: 09/19/2018

Time Report Requested: 23:37:59

NTP Study Number:	A05124
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

Dose (mg/kg)	N	MN PCE/1000	p-Value	% PCE
		Mean ± SEM		Mean ± SEM
Vehicle Control ¹	5	1.20 ± 0.25		51.20 ± 2.03
200.0	5	2.50 ± 0.42	0.0162	45.80 ± 3.20
300.0	5	1.90 ± 0.29	0.1042	44.60 ± 3.08
400.0	5	2.20 ± 0.41	0.0430	45.80 ± 1.83
500.0	1	3.50 ± 0.00	< 0.001 *	44.00 ± 0.00
Trend p-Value		0.0680		
Positive Control ²	5	23.80 ± 0.68	< 0.001 *	42.70 ± 2.03

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: Phosphate Buffered Saline

2: 25.0 mg/kg Cyclophosphamide

**** END OF REPORT ****