

Experiment Number: F34552

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: N-Methyl-3-oxobutyramide

CAS Number: 20306-75-6

Date Report Requested: 09/21/2018

Time Report Requested: 16:08:03

NTP Study Number:

F34552

Study Duration:

4 Days

Study Methodology:

Flow Cytometry

Male Study Result:

Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 4; Time interval between final treatment and cell sampling: 24 h

Dose (mg/kg)	N	MN PCE/1000		N	MN NCE/1000		% PCE	
		Mean ± SEM	p-Value		Mean ± SEM	p-Value	Mean ± SEM	p-Value
Vehicle Control ¹	5	2.450 ± 0.180		5	1.544 ± 0.030		1.736 ± 0.071	
1000.0	5	2.620 ± 0.207	0.2628	5	1.543 ± 0.035	1.0000	1.949 ± 0.098	0.4159
1500.0	5	2.780 ± 0.107	0.3143	5	1.506 ± 0.040	1.0000	1.969 ± 0.065	0.4159
2000.0	3	2.259 ± 0.123	0.3804	3	1.047 ± 0.196	1.0000	1.214 ± 0.215	0.5302
Trend p-Value		0.4342			0.9910		0.5810	
Positive Control ²	5	20.630 ± 0.936	0.0045 *	5	1.978 ± 0.042	< 0.001 *	0.579 ± 0.048	< 0.001 *

Trial Summary: Negative

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Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: N-Methyl-3-oxobutylamide

CAS Number: 20306-75-6

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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

Pairwise comparison with the control group; values are significant at $P \leq 0.025$ by Williams or Dunn's test

Dose-related trend; significant at $P \leq 0.025$ by linear regression or Jonckheere's test

* Statistically significant pairwise or trend test

1: Vehicle Control: Saline

2: 25.0 mg/kg Cyclophosphamide

**** END OF REPORT ****