

Experiment Number: F12535

Test Type: Genetic Toxicology - Micronucleus

Route: Intraperitoneal Injection

Species/Strain: Mouse/129 Sv/Ev

G04: In Vivo Micronucleus Summary Data

Test Compound: Acrylamide

CAS Number: 79-06-1

Date Report Requested: 09/21/2018

Time Report Requested: 15:21:56

NTP Study Number:

F12535

Study Duration:

5 Days

Study Methodology:

Flow Cytometry

Female Study Result:

Positive

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Tissue: Blood; Sex: Female; Number of Treatments: 5; 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	12	1.431 ± 0.070		12	0.819 ± 0.021		1.461 ± 0.100	
25.0	12	2.209 ± 0.157	< 0.001 *	12	0.806 ± 0.020	0.5952	1.474 ± 0.141	1.0000
50.0	12	2.414 ± 0.170	< 0.001 *	12	0.927 ± 0.014	< 0.001 *	2.265 ± 0.186	0.0035 *
Trend p-Value		< 0.001 *			< 0.001 *		0.0045 *	
Positive Control ²	12	9.689 ± 0.622	< 0.001 *	12	1.029 ± 0.024	< 0.001 *	0.973 ± 0.078	0.0011 *

Trial Summary: Positive

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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: 100.0 mg/kg Urne

**** END OF REPORT ****