

Experiment Number: F34414

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data

Test Compound: Norbixin (cis/trans mixture)

CAS Number: 542-40-5

Date Report Requested: 09/21/2018

Time Report Requested: 16:03:35

NTP Study Number:

F34414

Study Duration:

2 Days

Study Methodology:

Flow Cytometry

Male Study Result:

Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 2; Time interval between final treatment and cell sampling: 48 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	2.900 ± 0.271		5	1.518 ± 0.026		1.439 ± 0.166	
1000.0	4	2.625 ± 0.444	0.7558	4	1.463 ± 0.054	0.8126	1.785 ± 0.157	0.3023
1500.0	5	2.460 ± 0.167	0.8399	5	1.491 ± 0.025	0.8887	1.582 ± 0.069	0.3255
2000.0	4	2.488 ± 0.139	0.8730	4	1.411 ± 0.028	0.9147	1.487 ± 0.053	0.3814
Trend p-Value		0.9037			0.9641		0.5242	
Positive Control ²	5	20.210 ± 0.867	0.0045 *	5	1.788 ± 0.023	< 0.001 *	0.814 ± 0.071	0.0110 *

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

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: Corn Oil

2: 25.0 mg/kg Cyclophosphamide

**** END OF REPORT ****