

Experiment Number: **G98013B**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Myristicin**

CAS Number: **607-91-0**

Date Report Requested: **09/23/2018**

Time Report Requested: **16:41:29**

NTP Study Number:

G98013B

Study Duration:

13 Weeks

Study Methodology:

Flow Cytometry

Male Study Result:

Negative

Female Study Result:

Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 65; 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	2.670 ± 0.233		5	1.455 ± 0.027		1.490 ± 0.084	
10.0	5	2.290 ± 0.118	0.8147	5	1.475 ± 0.031	0.6573	1.439 ± 0.043	0.6907
30.0	5	2.560 ± 0.108	0.8854	5	1.446 ± 0.028	0.7435	1.408 ± 0.039	0.6761
100.0	5	2.340 ± 0.173	0.9088	5	1.484 ± 0.020	0.7779	1.433 ± 0.067	0.7210
300.0	5	2.520 ± 0.150	0.8851	5	1.372 ± 0.038	0.7941	1.206 ± 0.041	0.0138 *
600.0	5	2.490 ± 0.135	0.8944	5	1.392 ± 0.034	0.8073	0.736 ± 0.072	< 0.001 *
Trend p-Value		0.4707			0.9921		< 0.001 *	

Trial Summary: **Negative**

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Tissue: Blood; Sex: Female; Number of Treatments: 65; 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	1.873 ± 0.100		5	1.063 ± 0.015		1.519 ± 0.107	
10.0	5	1.820 ± 0.131	0.6273	5	1.073 ± 0.020	0.5436	1.583 ± 0.228	1.0000
30.0	5	2.170 ± 0.044	0.7140	5	1.065 ± 0.020	0.6268	1.428 ± 0.180	0.7126
100.0	5	1.900 ± 0.156	0.7487	5	1.094 ± 0.044	0.6618	1.271 ± 0.148	0.2994
300.0	5	1.583 ± 0.101	0.7656	5	1.057 ± 0.029	0.6811	0.971 ± 0.049	0.0378
600.0	5	1.530 ± 0.202	0.7785	5	1.002 ± 0.022	0.6939	1.149 ± 0.167	0.0387
Trend p-Value		0.9975			0.9841		0.0160 *	

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

**** END OF REPORT ****