

Experiment Number: **G00058B**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Black Cohosh**

CAS Number: **84776-26-1**

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

Time Report Requested: **10:35:28**

NTP Study Number:

G00058B

Study Duration:

90 Days

Study Methodology:

Flow Cytometry

Female Study Result:

Positive

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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	1.970 ± 0.253		5	1.034 ± 0.014		1.588 ± 0.140	
62.5	5	1.900 ± 0.101	1.0000	5	1.261 ± 0.012	0.8758	1.727 ± 0.166	0.7989
125.0	5	2.410 ± 0.073	0.7228	5	1.408 ± 0.042	0.1674	1.773 ± 0.130	0.9128
250.0	5	2.790 ± 0.460	0.4163	5	1.761 ± 0.107	0.0218 *	1.459 ± 0.151	0.9474
500.0	5	3.970 ± 0.367	0.0090 *	5	2.526 ± 0.094	< 0.001 *	1.862 ± 0.181	0.3689
1000.0	5	4.290 ± 0.170	0.0056 *	5	2.777 ± 0.104	< 0.001 *	1.871 ± 0.223	0.3743
Trend p-Value		< 0.001 *			< 0.001 *		0.2684	

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: 0.5% Methylcellulose

**** END OF REPORT ****