

Experiment Number: **G00058**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Gavage**
Species/Strain: **Rat/Wistar Han**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Black Cohosh**
CAS Number: **84776-26-1**

Date Report Requested: **09/23/2018**
Time Report Requested: **10:31:13**

NTP Study Number: G00058
Study Duration: 13 Weeks
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

		MN PCE/1000		MN NCE/1000			% PCE	
Dose (mg/kg)	N	Mean ± SEM	p-Value	N	Mean ± SEM	p-Value	Mean ± SEM	p-Value
Vehicle Control ¹	5	0.910 ± 0.108		5	0.066 ± 0.011		1.149 ± 0.118	
15.0	5	0.900 ± 0.223	1.0000	5	0.052 ± 0.007	0.7394	1.135 ± 0.091	1.0000
125.0	5	1.110 ± 0.177	1.0000	5	0.053 ± 0.007	0.8212	1.097 ± 0.109	0.9383
250.0	5	1.450 ± 0.235	0.2840	5	0.066 ± 0.008	0.8463	1.003 ± 0.094	0.6258
500.0	5	1.420 ± 0.262	0.2275	5	0.049 ± 0.004	0.8598	0.832 ± 0.174	0.1121
1000.0	5	2.800 ± 0.753	0.0063 *	5	0.062 ± 0.016	0.7613	0.887 ± 0.101	0.1124
Trend p-Value		< 0.001 *			0.4579		0.0411	

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 ****