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

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**

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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

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 ± Standard Error Mean
Pairwise comparison with the control group; values are significant at P <= 0.025 by Williams or Dunn's test
Dose-related trend; significant at P <= 0.025 by linear regression or Jonckheere's test
* Statistically significant pairwise or trend test
1: Vehicle Control: 0.5% Methylcellulose

** END OF REPORT **