

Experiment Number: **G05066**  
Test Type: **Genetic Toxicology - Micronucleus**  
Route: **Gavage**  
Species/Strain: **Rat/Harlan Sprague Dawley**

**G04: In Vivo Micronucleus Summary Data**

Test Compound: **Gum Guggul Extract**  
CAS Number: **GUMGUGGULEXT**

Date Report Requested: **09/23/2018**  
Time Report Requested: **12:19:36**

<b>NTP Study Number:</b>	G05066
<b>Study Duration:</b>	13 Weeks
<b>Study Methodology:</b>	Flow Cytometry
<b>Male Study Result:</b>	Negative
<b>Female Study Result:</b>	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 <sup>1</sup>	5	0.690 ± 0.117		5	0.113 ± 0.019		0.960 ± 0.033	
62.5	5	0.390 ± 0.100	0.9406	5	0.072 ± 0.012	1.0000	0.955 ± 0.032	1.0000
125.0	5	0.460 ± 0.070	0.9730	5	0.108 ± 0.030	1.0000	0.992 ± 0.094	1.0000
250.0	5	0.500 ± 0.084	0.9811	5	0.182 ± 0.021	0.2461	1.035 ± 0.018	1.0000
500.0	5	0.430 ± 0.056	0.9852	5	0.100 ± 0.015	1.0000	0.973 ± 0.081	1.0000
1000.0	5	0.600 ± 0.076	0.8951	5	0.245 ± 0.065	0.2117	1.453 ± 0.129	0.0317
Trend p-Value		0.3490			0.0117 *		0.0069 *	

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 <sup>1</sup>	5	0.770 ± 0.090		5	0.188 ± 0.037		0.583 ± 0.054	
62.5	5	0.540 ± 0.114	0.9489	5	0.198 ± 0.019	0.6847	0.874 ± 0.062	0.0156 *
125.0	5	0.410 ± 0.070	0.9774	5	0.120 ± 0.014	0.7699	0.898 ± 0.114	0.0162 *
250.0	5	0.480 ± 0.093	0.9846	5	0.164 ± 0.027	0.8034	0.922 ± 0.131	0.0138 *
500.0	5	0.630 ± 0.102	0.9798	5	0.225 ± 0.045	0.6390	0.917 ± 0.129	0.0124 *
1000.0	5	0.520 ± 0.075	0.9829	5	0.151 ± 0.028	0.6516	1.033 ± 0.040	0.0014 *
Trend p-Value		0.6883			0.5877		0.0181 *	

Trial Summary: Negative

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#### LEGEND

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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 \*\***