

Experiment Number: **G05066B**

Test Type: **Genetic Toxicology - Micronucleus**

Route: **Gavage**

Species/Strain: **Mouse/B6C3F1**

G04: In Vivo Micronucleus Summary Data

Test Compound: **Gum Guggul Extract**

CAS Number: **GUMGUGGULEXT**

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

Time Report Requested: **12:24:22**

NTP Study Number:

G05066B

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	2.340 ± 0.185		5	1.482 ± 0.019		1.285 ± 0.039	
15.5	5	2.070 ± 0.200	0.7310	5	1.469 ± 0.033	0.8250	1.425 ± 0.062	0.2337
31.0	5	2.320 ± 0.110	0.6531	5	1.484 ± 0.022	0.8940	1.323 ± 0.040	0.2774
62.5	5	2.355 ± 0.112	0.6871	5	1.428 ± 0.015	0.9157	1.363 ± 0.050	0.2982
125.0	5	2.370 ± 0.178	0.7063	5	1.398 ± 0.032	0.9265	1.437 ± 0.052	0.0690
250.0	5	2.170 ± 0.096	0.7201	5	1.431 ± 0.022	0.9335	1.415 ± 0.055	0.0706
Trend p-Value		0.6130			0.9716		0.1369	

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	1.910 ± 0.196		5	0.994 ± 0.033		1.216 ± 0.092	
15.5	5	2.235 ± 0.135	0.4860	5	1.089 ± 0.027	0.0603	1.345 ± 0.137	0.5908
31.0	5	1.763 ± 0.085	0.5663	5	1.090 ± 0.023	0.0718	1.398 ± 0.152	0.6575
62.5	5	1.910 ± 0.154	0.5994	5	1.019 ± 0.031	0.0763	1.348 ± 0.091	0.7019
125.0	5	2.070 ± 0.090	0.6194	5	1.036 ± 0.014	0.0775	1.431 ± 0.140	0.7233
250.0	5	1.610 ± 0.108	0.6316	5	1.020 ± 0.016	0.0779	1.296 ± 0.249	0.7365
Trend p-Value		0.9643			0.8025		0.7869	

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 ****