

Experiment Number: **GEMT28**
Test Type: **Genetic Toxicology - Micronucleus**
Route: **Dosed-Feed**
Species/Strain: **Mouse/P53 +/- (C57BL/6)**

G04: In Vivo Micronucleus Summary Data
Test Compound: **Senna (powdered)**
CAS Number: **8013-11-4**

Date Report Requested: **09/23/2018**
Time Report Requested: **17:00:32**

NTP Study Number:	GEMT28
Study Duration:	39 Weeks
Study Methodology:	Flow Cytometry
Male Study Result:	Negative

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Tissue: Blood; Sex: Male; Number of Treatments: 273; Time interval between final treatment and cell sampling: 24 h

		MN PCE/1000		MN NCE/1000			% PCE	
Dose (ppm)	N	Mean ± SEM	p-Value	N	Mean ± SEM	p-Value	Mean ± SEM	p-Value
Vehicle Control ¹	4	3.238 ± 0.168		4	1.673 ± 0.038		1.961 ± 0.199	
100.0	4	2.975 ± 0.254	0.5766	4	1.703 ± 0.090	0.5196	2.582 ± 0.806	1.0000
300.0	4	4.125 ± 0.610	0.3897	4	1.638 ± 0.020	0.6045	2.098 ± 0.350	1.0000
1000.0	3	3.417 ± 0.451	0.4383	3	1.654 ± 0.057	0.6544	1.955 ± 0.067	1.0000
3000.0	5	3.790 ± 0.722	0.4127	5	1.718 ± 0.115	0.4288	1.643 ± 0.220	1.0000
10000.0	5	2.930 ± 0.168	0.4202	5	1.836 ± 0.044	0.0847	2.778 ± 0.760	0.4459
Trend p-Value		0.8249			0.0158 *		0.3624	

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: Feed

**** END OF REPORT ****