

Experiment Number: A40470
Test Type: Genetic Toxicology - Micronucleus
Route: Gavage
Species/Strain: Mouse/B6C3F1

G04: In Vivo Micronucleus Summary Data
Test Compound: 5-(Hydroxymethyl)-2-furfural
CAS Number: 67-47-0

Date Report Requested: 09/20/2018
Time Report Requested: 12:36:15

NTP Study Number:	A40470
Study Duration:	90 Days
Study Methodology:	Slide Scoring
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)	MN PCE/1000			MN NCE/1000			% PCE
	N	Mean ± SEM	p-Value	N	Mean ± SEM	p-Value	Mean ± SEM
Vehicle Control ¹	10	3.70 ± 0.54		10	3.90 ± 0.48		3.86 ± 0.20
47.0	10	2.90 ± 0.64	0.8380	10	3.50 ± 0.43	0.6793	4.00 ± 0.30
94.0	10	2.20 ± 0.44	0.9748	10	2.60 ± 0.37	0.9469	4.02 ± 0.19
188.0	10	3.00 ± 0.54	0.8042	10	3.70 ± 0.58	0.5909	4.20 ± 0.14
375.0	10	2.10 ± 0.18	0.9823	10	3.00 ± 0.65	0.8611	4.30 ± 0.12
750.0	9	2.89 ± 0.31	0.8342	9	3.00 ± 0.41	0.8538	4.50 ± 0.13
Trend p-Value		0.7450			0.7890		

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
Vehicle Control ¹	10	2.90 ± 0.57		10	1.70 ± 0.50		4.30 ± 0.19
47.0	10	2.80 ± 0.59	0.5528	10	2.50 ± 0.50	0.1083	4.51 ± 0.30
94.0	10	3.10 ± 0.38	0.3980	10	2.90 ± 0.43	0.0383	4.41 ± 0.28
188.0	10	1.80 ± 0.33	0.9459	10	1.80 ± 0.47	0.4328	4.71 ± 0.28
375.0	9	2.00 ± 0.33	0.8938	9	2.33 ± 0.65	0.1646	4.09 ± 0.28
750.0	10	2.30 ± 0.65	0.7976	10	2.40 ± 0.37	0.1369	4.26 ± 0.32
Trend p-Value		0.8800			0.3710		

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

Results were tabulated as the mean of the pooled results from all animals within a treatment group, plus or minus the standard error of the mean

Pairwise comparison to the concurrent control, dosed groups significant at $p = 0.025/\text{number of treatment groups}$; positive control value is significant at $p = 0.05$

Cochran-Armitage trend test, significant at $p = 0.025$

* Statistically significant pairwise or trend test

1: Vehicle Control: Solvent

**** END OF REPORT ****