

Experiment Number: A43540

Test Type: Genetic Toxicology - Micronucleus

Route: Gavage

Species/Strain: Rat/Fischer 344

G04: In Vivo Micronucleus Summary Data

Test Compound: Curcumin

CAS Number: 458-37-7

Date Report Requested: 09/20/2018

Time Report Requested: 14:00:58

NTP Study Number:

A43540

Study Duration:

72 Hours

Study Methodology:

Slide Scoring

Male Study Result:

Negative

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Tissue: Bone marrow; Sex: Male; Number of Treatments: 3; Time interval between final treatment and cell sampling: 24 h

| Dose (mg/kg) | N | MN PCE/1000 | p-Value | % PCE |
|-------------------------------|---|--------------|-----------|--------------|
| | | Mean ± SEM | | Mean ± SEM |
| Vehicle Control ¹ | 5 | 0.70 ± 0.25 | | 53.10 ± 2.41 |
| 625.0 | 5 | 0.50 ± 0.00 | 0.7182 | 55.00 ± 1.35 |
| 1250.0 | 5 | 0.70 ± 0.25 | 0.5000 | 53.40 ± 1.76 |
| 2500.0 | 5 | 0.50 ± 0.22 | 0.7182 | 54.70 ± 2.23 |
| Trend p-Value | | 0.6610 | | |
| Positive Control ² | 5 | 24.10 ± 1.02 | < 0.001 * | 40.70 ± 1.10 |

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: Corn Oil

2: 20.0 mg/kg Cyclophosphamide

**** END OF REPORT ****