

Experiment Number: A87074  
Test Type: Genetic Toxicology - Micronucleus  
Route: Intraperitoneal Injection  
Species/Strain: Rat/Fischer 344

**G04: In Vivo Micronucleus Summary Data**  
Test Compound: 2-Methyl-2-ethoxypropane (ETBE)  
CAS Number: 637-92-3

Date Report Requested: 09/21/2018  
Time Report Requested: 08:25:39

<b>NTP Study Number:</b>	A87074
<b>Study Duration:</b>	72 Hours
<b>Study Methodology:</b>	Slide Scoring
<b>Male Study Result:</b>	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 <sup>1</sup>	5	0.70 ± 0.34		48.90 ± 5.02
625.0	5	0.90 ± 0.43	0.3085	53.30 ± 2.11
1250.0	5	1.30 ± 0.12	0.0897	46.60 ± 4.63
2500.0	3	0.67 ± 0.17	0.5310	47.33 ± 5.46
Trend p-Value		0.4230		
Positive Control <sup>2</sup>	5	43.60 ± 2.51	< 0.001 *	5.50 ± 1.42

Trial Summary: Negative

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CAS Number: **637-92-3**

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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

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: 25.0 mg/kg Cyclophosphamide

**\*\* END OF REPORT \*\***