

Experiment Number: 344240

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Triethylene glycol dimethyl ether

CAS Number: 112-49-2

Date Report Requested: 09/13/2018

Time Report Requested: 14:53:55

**NTP Study Number:**

344240

**Study Result:**

Positive

Experiment Number: 344240

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## G06: Ames Summary Data

Test Compound: Triethylene glycol dimethyl ether  
CAS Number: 112-49-2

Date Report Requested: 09/13/2018

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	117 ± 3.2	125 ± 8.5	162 ± 5.2	124 ± 4.3
100.0	107 ± 5.8	120 ± 3.5	166 ± 12.3	134 ± 3.5
333.0	120 ± 5.9	150 ± 8.2	172 ± 0.6	155 ± 19.6
1000.0	113 ± 11.1	200 ± 9.0	178 ± 11.3	117 ± 1.9
3333.0	238 ± 11.8	387 ± 6.8	197 ± 8.3	134 ± 6.0
10000.0	392 ± 7.2	440 ± 22.8 <sup>p</sup>	211 ± 3.1	199 ± 8.1
Trial Summary	Positive	Positive	Equivocal	Equivocal
Positive Control <sup>2</sup>	353 ± 17.2	549 ± 16.9		
Positive Control <sup>3</sup>				1463 ± 261.3
Positive Control <sup>4</sup>			2026 ± 58.5	

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	19 ± 2.3	16 ± 2.4	30 ± 6.5	28 ± 3.3
100.0	13 ± 2.1	18 ± 3.8	26 ± 3.6	27 ± 5.6
333.0	17 ± 1.8	18 ± 1.5	28 ± 3.5	26 ± 1.7
1000.0	19 ± 1.3	27 ± 0.6	29 ± 2.0	35 ± 1.9
3333.0	27 ± 2.5	54 ± 2.0	31 ± 1.0	32 ± 1.5
10000.0	58 ± 1.2	75 ± 4.4 <sup>p</sup>	33 ± 3.2	32 ± 3.5
Trial Summary	Positive	Positive	Negative	Negative
Positive Control <sup>5</sup>	425 ± 12.7	409 ± 13.2		
Positive Control <sup>3</sup>			648 ± 17.1	1160 ± 47.1

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**LEGEND**

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Values given as Mean or Mean  $\pm$  Standard Error Mean

The number of samples = 3, unless samples marked toxic or contaminated were excluded from mean and SEM calculations

CAS Number = Chemical Abstracts Service registry number

1: Vehicle Control: Water

2: 0.5 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

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