

Experiment Number: 206306

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Ethylene glycol dimethyl ether

CAS Number: 110-71-4

Date Report Requested: 09/14/2018

Time Report Requested: 14:24:19

NTP Study Number:

206306

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	161 ± 13.7	139 ± 7.3	210 ± 6.1	221 ± 2.3
333.0	171 ± 10.8	131 ± 2.6	195 ± 2.6	203 ± 6.8
1000.0	171 ± 8.5	138 ± 10.1	199 ± 2.5	203 ± 11.2
3333.0	546 ± 22.3	350 ± 11.0	242 ± 16.6	204 ± 10.3
5000.0	778 ± 45.8	399 ± 13.3	235 ± 18.3	205 ± 5.2
10000.0	813 ± 21.3	436 ± 25.7	251 ± 2.0	215 ± 13.3
Trial Summary	Positive	Positive	Negative	Negative
Positive Control ²	372 ± 7.0	347 ± 16.3		
Positive Control ³				956 ± 25.4
Positive Control ⁴			651 ± 10.5	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	19 ± 2.9	19 ± 2.1	38 ± 2.9	31 ± 1.5
333.0	28 ± 2.0	16 ± 3.6	33 ± 4.2	30 ± 3.0
1000.0	23 ± 5.8	17 ± 1.3	30 ± 4.2	39 ± 0.3
3333.0	29 ± 2.7	22 ± 0.6	28 ± 1.2	34 ± 4.4
5000.0	51 ± 1.5	33 ± 4.0	37 ± 0.6	32 ± 4.7
10000.0	76 ± 9.4	52 ± 11.8	30 ± 2.7	35 ± 4.4
Trial Summary	Positive	Positive	Negative	Negative
Positive Control ³			464 ± 11.0	433 ± 14.0
Positive Control ⁵	354 ± 6.6	357 ± 18.0		

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LEGEND

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

**** END OF REPORT ****