

Experiment Number: 914172

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**

G06: Ames Summary Data

Test Compound: **Ethylene glycol monoethyl ether (EGMEE)**

CAS Number: **110-80-5**

Date Report Requested: **09/17/2018**

Time Report Requested: **02:20:36**

NTP Study Number:

914172

Study Result:

Negative

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CAS Number: 110-80-5

Date Report Requested: 09/17/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	152 ± 6.2	145 ± 2.9	138 ± 10.1	146 ± 9.9	133 ± 9.8
100.0	136 ± 5.7	156 ± 5.6	140 ± 6.1	155 ± 1.3	123 ± 10.4
333.0	138 ± 2.9	145 ± 8.1	138 ± 2.7	137 ± 4.1	130 ± 11.6
1000.0	142 ± 4.3	136 ± 4.9	149 ± 9.7	157 ± 7.2	119 ± 7.5
3333.0	133 ± 4.4	134 ± 9.0	140 ± 2.3	139 ± 6.5	129 ± 6.9
10000.0	147 ± 3.8	139 ± 9.3	138 ± 3.7	149 ± 5.5	127 ± 6.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					125 ± 4.7
Positive Control ³			1429 ± 40.9	1119 ± 28.1	
Positive Control ⁴	2113 ± 13.0	1355 ± 13.4			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	132 ± 9.6	139 ± 7.4
100.0	117 ± 5.9	126 ± 5.4
333.0	134 ± 5.2	131 ± 6.3
1000.0	131 ± 7.1	114 ± 9.7
3333.0	118 ± 6.7	129 ± 4.6
10000.0	114 ± 8.8	134 ± 7.5
Trial Summary	Negative	Negative
Positive Control ²	1339 ± 21.1	2408 ± 9.7
Positive Control ³		
Positive Control ⁴		

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	29 ± 1.2	24 ± 4.0	11 ± 2.4	16 ± 2.2	11 ± 2.4
100.0	31 ± 0.9	30 ± 3.6	12 ± 1.9	13 ± 1.2	11 ± 1.3
333.0	23 ± 3.7	30 ± 3.1	15 ± 3.6	17 ± 1.2	13 ± 2.5
1000.0	27 ± 2.2	29 ± 2.3	11 ± 0.3	15 ± 2.3	11 ± 0.9
3333.0	28 ± 2.2	23 ± 4.1	12 ± 1.2	15 ± 2.2	13 ± 2.5
10000.0	22 ± 2.0	27 ± 0.6	11 ± 2.1	15 ± 1.2	10 ± 1.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					10 ± 0.7
Positive Control ³			106 ± 12.6	45 ± 6.2	
Positive Control ⁴	1562 ± 70.0	1132 ± 19.2			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	10 ± 1.7	16 ± 2.3
100.0	8 ± 1.3	16 ± 2.6
333.0	10 ± 1.9	14 ± 3.2
1000.0	10 ± 1.2	15 ± 1.2
3333.0	7 ± 0.9	15 ± 1.8
10000.0	8 ± 1.2	15 ± 2.3
Trial Summary	Negative	Negative
Positive Control ²	123 ± 0.6	156 ± 10.0
Positive Control ³		
Positive Control ⁴		

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	12 ± 3.5	12 ± 2.7	8 ± 0.7	11 ± 2.3	11 ± 1.7
100.0	10 ± 0.3	10 ± 2.1	9 ± 1.5	15 ± 0.7	9 ± 0.7
333.0	13 ± 1.5	9 ± 2.9	9 ± 3.1	16 ± 0.3	12 ± 1.5
1000.0	8 ± 2.9	7 ± 2.1	11 ± 3.0	12 ± 0.6	13 ± 3.8
3333.0	6 ± 1.2	10 ± 2.2	10 ± 1.2	11 ± 2.3	10 ± 1.7
10000.0	10 ± 1.5	11 ± 1.5	8 ± 1.5	16 ± 0.3	12 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					10 ± 1.5
Positive Control ³			149 ± 7.0	78 ± 10.4	
Positive Control ⁵	390 ± 21.0	255 ± 37.8			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	9 ± 0.9	13 ± 1.7
100.0	8 ± 1.5	10 ± 3.3
333.0	8 ± 1.7	9 ± 1.0
1000.0	10 ± 2.0	11 ± 3.2
3333.0	8 ± 1.2	10 ± 3.0
10000.0	11 ± 1.5	13 ± 1.3
Trial Summary	Negative	Negative
Positive Control ²	146 ± 7.1	221 ± 23.7
Positive Control ³		
Positive Control ⁵		

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	24 ± 3.1	21 ± 0.3	32 ± 3.5	41 ± 2.2	35 ± 2.2
100.0	25 ± 2.1	21 ± 1.2	30 ± 1.2	37 ± 1.7	33 ± 6.8
333.0	24 ± 4.0	19 ± 1.9	30 ± 2.9	39 ± 3.6	40 ± 4.0
1000.0	20 ± 1.3	26 ± 4.4	35 ± 4.3	28 ± 1.2	32 ± 5.6
3333.0	25 ± 0.7	19 ± 0.3	32 ± 6.0	39 ± 6.4	27 ± 3.5
10000.0	30 ± 4.7	25 ± 4.0	32 ± 2.5	35 ± 4.3	32 ± 4.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					21 ± 2.3
Positive Control ³			1092 ± 26.1	912 ± 38.4	
Positive Control ⁶	1869 ± 72.9	1323 ± 18.3			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	35 ± 0.7	33 ± 1.7
100.0	36 ± 4.5	33 ± 2.3
333.0	30 ± 3.1	33 ± 3.8
1000.0	34 ± 4.8	37 ± 4.4
3333.0	31 ± 3.5	35 ± 1.2
10000.0	31 ± 4.7	33 ± 5.7
Trial Summary	Negative	Negative
Positive Control ²	1197 ± 34.9	2187 ± 67.0
Positive Control ³		
Positive Control ⁶		

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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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****