

Experiment Number: 347442

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

G06: Ames Summary Data

Test Compound: **Tetraethylene glycol diacrylate**

CAS Number: 17831-71-9

Date Report Requested: **09/13/2018**

Time Report Requested: **15:09:04**

NTP Study Number:

347442

Study Result:

Negative

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Test Compound: Tetraethylene glycol diacrylate

CAS Number: 17831-71-9

Date Report Requested: 09/13/2018

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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	139 ± 8.7	108 ± 7.9	174 ± 7.2	169 ± 16.1	197 ± 19.2
100.0	133 ± 2.7	93 ± 0.6	181 ± 8.2	171 ± 10.7	196 ± 14.4
333.0	121 ± 3.9	90 ± 4.7	181 ± 1.7	156 ± 2.1	208 ± 14.4
1000.0	130 ± 0.9	Toxic	167 ± 11.2	122 ± 9.8	180 ± 11.2
3333.0	104 ± 1.8	67 ± 5.6	147 ± 9.3	95 ± 7.6	147 ± 7.3
10000.0	Toxic	Toxic	53 ± 5.7	44 ± 11.2	96 ± 15.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			2061 ± 147.8	1595 ± 129.0	1416 ± 138.1
Positive Control ³	1165 ± 54.9	1226 ± 71.9			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	157 ± 5.7
100.0	154 ± 11.4
333.0	137 ± 6.4
1000.0	128 ± 10.3
3333.0	103 ± 7.8
10000.0	46 ± 11.8
Trial Summary	Negative
Positive Control ²	1972 ± 90.9
Positive Control ³	

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Date Report Requested: 09/13/2018

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	20 ± 0.9	10 ± 1.9	11 ± 3.2	26 ± 1.5	13 ± 2.2
33.0		8 ± 1.3	8 ± 1.2		
100.0	16 ± 0.9	8 ± 1.5	5 ± 1.0	23 ± 0.6	11 ± 3.9
333.0	20 ± 1.8	9 ± 2.0	3 ± 0.7	23 ± 2.1	13 ± 1.8
1000.0	15 ± 1.5	6 ± 1.0	5 ± 0.6	29 ± 1.9	13 ± 2.1
3333.0	4 ± 1.0	Toxic	2 ± 0.9	29 ± 1.5	7 ± 1.3
10000.0	Toxic			10 ± 0.9	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴				670 ± 139.1	161 ± 7.7
Positive Control ³	1322 ± 31.2	1002 ± 81.7	1158 ± 44.0		

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	28 ± 2.1	16 ± 0.3
33.0		
100.0	26 ± 2.1	11 ± 1.5
333.0	22 ± 2.8	15 ± 2.4
1000.0	24 ± 0.7	13 ± 1.2
3333.0	14 ± 1.3	9 ± 2.7
10000.0	6 ± 1.2	Toxic
Trial Summary	Negative	Negative
Positive Control ⁴	371 ± 29.4	244 ± 5.9
Positive Control ³		

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Test Compound: Tetraethylene glycol diacrylate

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	13 ± 1.5	13 ± 0.6	8 ± 0.9	19 ± 0.9	16 ± 1.8
33.0		13 ± 2.5	10 ± 2.7		14 ± 3.7
100.0	12 ± 0.0	10 ± 1.8	11 ± 1.5	18 ± 2.5	16 ± 3.2
333.0	17 ± 2.2	6 ± 1.2	9 ± 2.6	17 ± 1.9	16 ± 1.3
1000.0	12 ± 0.9	5 ± 0.7	8 ± 1.5	22 ± 2.1	11 ± 1.3
3333.0	Toxic	0 ± 0.0	1 ± 0.7	10 ± 2.0	4 ± 1.2
10000.0	0 ± 0.0			0 ± 0.0	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴				364 ± 31.3	634 ± 10.1
Positive Control ⁵	363 ± 39.1	631 ± 81.0	678 ± 121.2		

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Strain: TA1537

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	16 ± 1.2	23 ± 2.8	22 ± 0.9
33.0	12 ± 3.5		
100.0	11 ± 1.8	21 ± 3.7	22 ± 3.5
333.0	12 ± 1.5	23 ± 4.1	16 ± 0.7
1000.0	12 ± 2.2	16 ± 0.0	12 ± 2.0
3333.0	5 ± 0.3	17 ± 2.0	7 ± 1.5
10000.0		Toxic	1 ± 0.7
Trial Summary	Negative	Negative	Negative
Positive Control ⁴	521 ± 69.6	220 ± 20.1	289 ± 14.8
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	20 ± 2.0	14 ± 1.2	33 ± 3.2	25 ± 2.1	34 ± 3.2
100.0	30 ± 2.4	19 ± 3.7	30 ± 2.4	26 ± 3.0	34 ± 5.0
333.0	26 ± 1.0	17 ± 2.5	33 ± 5.5	16 ± 2.3	27 ± 3.2
1000.0	30 ± 3.9	23 ± 2.1	26 ± 1.7	23 ± 4.4	27 ± 1.8
3333.0	15 ± 2.3	17 ± 2.6	17 ± 1.2	17 ± 1.0	22 ± 0.9
10000.0	Toxic	0 ± 0.0	Toxic	4 ± 1.2	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			854 ± 139.4	1671 ± 36.3	1348 ± 172.6
Positive Control ⁶	221 ± 14.0	242 ± 17.8			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	27 ± 3.6
100.0	21 ± 3.0
333.0	27 ± 2.5
1000.0	18 ± 5.8
3333.0	16 ± 1.3
10000.0	3 ± 0.6
Trial Summary	Negative
Positive Control ²	2062 ± 65.0
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: Dimethyl Sulfoxide

2: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 2.0 ug/Plate 2-Aminoanthracene

5: 33.0 ug/Plate 9-Aminoacridine

6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****