

Experiment Number: 850639

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Dipropylene glycol

CAS Number: 25265-71-8

Date Report Requested: 09/16/2018

Time Report Requested: 08:37:37

NTP Study Number:

850639

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	165 ± 1.7	112 ± 9.7	112 ± 10.1	191 ± 11.0	121 ± 2.4
100.0	156 ± 3.5	99 ± 4.1	123 ± 2.2	185 ± 14.0	128 ± 5.4
333.0	170 ± 5.8	115 ± 7.1	141 ± 2.6	182 ± 13.2	132 ± 4.6
1000.0	162 ± 4.0	118 ± 13.9	111 ± 7.7	170 ± 7.5	122 ± 8.5
3333.0	178 ± 3.1	116 ± 5.0	121 ± 1.2	202 ± 24.2	125 ± 3.7
10000.0	177 ± 6.2	121 ± 8.8	103 ± 8.5	190 ± 7.0	109 ± 5.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					335 ± 3.6
Positive Control ³	343 ± 17.0	430 ± 3.6			
Positive Control ⁴			963 ± 7.3		
Positive Control ⁵					
Positive Control ⁶				950 ± 12.2	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	159 ± 4.2
100.0	161 ± 11.3
333.0	173 ± 7.4
1000.0	193 ± 9.8
3333.0	168 ± 8.3
10000.0	170 ± 4.9
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	446 ± 7.8
Positive Control ⁶	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 3.0	8 ± 1.3	10 ± 0.9	17 ± 3.2	10 ± 2.2
100.0	9 ± 0.9	10 ± 0.6	12 ± 2.2	17 ± 1.3	12 ± 1.3
333.0	10 ± 0.7	12 ± 1.8	11 ± 1.2	19 ± 2.8	9 ± 0.6
1000.0	13 ± 2.5	11 ± 2.6	10 ± 0.7	19 ± 3.5	12 ± 2.8
3333.0	11 ± 1.3	9 ± 1.3	12 ± 0.6	16 ± 2.0	13 ± 2.7
10000.0	13 ± 1.2	10 ± 1.3	9 ± 2.1	16 ± 1.5	12 ± 2.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					62 ± 4.5
Positive Control ³	206 ± 12.1	296 ± 4.7			
Positive Control ⁵					
Positive Control ⁶			190 ± 15.4	157 ± 6.4	

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Test Compound: Dipropylene glycol

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	17 ± 1.0
100.0	14 ± 1.0
333.0	22 ± 3.1
1000.0	15 ± 2.0
3333.0	20 ± 1.5
10000.0	21 ± 3.6
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	99 ± 18.6
Positive Control ⁶	

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Test Compound: Dipropylene glycol

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	153 ± 11.7	95 ± 1.9	193 ± 3.0	239 ± 1.5	193 ± 5.3
100.0	173 ± 4.4	92 ± 7.3	201 ± 12.2	219 ± 13.9	204 ± 2.5
333.0	156 ± 6.7	91 ± 5.7	186 ± 6.0	244 ± 12.4	204 ± 10.1
1000.0	157 ± 1.5	93 ± 6.4	185 ± 2.0	236 ± 15.2	208 ± 15.0
3333.0	171 ± 19.1	98 ± 3.5	204 ± 7.6	226 ± 5.4	179 ± 10.6
10000.0	179 ± 14.2	98 ± 12.1	188 ± 5.6	240 ± 11.6	196 ± 9.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					1818 ± 28.2
Positive Control ⁶			1562 ± 152.5	564 ± 14.6	
Positive Control ⁷	972 ± 62.5	457 ± 56.2			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	195 ± 5.2
100.0	217 ± 3.1
333.0	205 ± 9.6
1000.0	212 ± 10.1
3333.0	216 ± 2.2
10000.0	197 ± 7.0
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	921 ± 85.2
Positive Control ⁷	

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Test Compound: Dipropylene glycol

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 2.6	20 ± 3.9	33 ± 2.2	18 ± 1.7	19 ± 5.8
100.0	22 ± 1.9	23 ± 0.3	24 ± 4.2	26 ± 1.7	18 ± 2.6
333.0	17 ± 2.7	19 ± 1.5	19 ± 0.9	24 ± 0.0	18 ± 4.3
1000.0	17 ± 2.3	15 ± 1.5	26 ± 3.4	26 ± 0.7	28 ± 4.1
3333.0	22 ± 1.5	21 ± 1.7	22 ± 3.2	25 ± 3.2	28 ± 0.9
10000.0	19 ± 1.2	19 ± 2.6	27 ± 3.0	21 ± 1.8	32 ± 4.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			206 ± 2.3		258 ± 9.1
Positive Control ⁸	435 ± 4.2	318 ± 2.3			
Positive Control ⁵				407 ± 22.9	

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Test Compound: Dipropylene glycol

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	17 ± 0.3	28 ± 2.4
100.0	18 ± 3.5	30 ± 3.5
333.0	17 ± 2.6	27 ± 5.2
1000.0	13 ± 1.3	26 ± 1.5
3333.0	16 ± 0.9	19 ± 2.7
10000.0	13 ± 3.8	20 ± 5.2
Trial Summary	Negative	Negative
Positive Control ²	377 ± 8.5	
Positive Control ⁸		
Positive Control ⁵		361 ± 9.9

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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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 24.0 ug/Plate 9-Aminoacridine

8: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****