

Experiment Number: 888888

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 1,2-Propylene glycol

CAS Number: 57-55-6

Date Report Requested: 09/16/2018

Time Report Requested: 20:25:04

NTP Study Number:

888888

Study Result:

Negative

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Test Compound: 1,2-Propylene glycol

CAS Number: 57-55-6

Date Report Requested: 09/16/2018

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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	104 ± 9.2	141 ± 4.0	110 ± 7.2	102 ± 13.1	109 ± 3.8
90.0	118 ± 1.2	132 ± 1.7	100 ± 2.0	95 ± 3.8	132 ± 6.4
300.0	115 ± 5.2	130 ± 0.6	103 ± 2.2	110 ± 5.7	103 ± 0.7
900.0	114 ± 10.0	140 ± 5.4	103 ± 7.0	101 ± 4.4	100 ± 11.7
3000.0	107 ± 6.4	144 ± 5.9	92 ± 8.2	116 ± 6.6	95 ± 13.3
9000.0	102 ± 1.2	145 ± 4.7	91 ± 4.9	116 ± 8.2	103 ± 7.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					2626 ± 50.1
Positive Control ³			1581 ± 56.8	1499 ± 40.4	
Positive Control ⁴	1452 ± 59.1	1338 ± 50.7			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	117 ± 5.6
90.0	119 ± 11.5
300.0	114 ± 4.0
900.0	112 ± 9.2
3000.0	112 ± 7.7
9000.0	109 ± 7.0
Trial Summary	Negative
Positive Control ²	2766 ± 49.9
Positive Control ³	
Positive Control ⁴	

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Test Compound: 1,2-Propylene glycol

CAS Number: 57-55-6

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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	13 ± 3.1	19 ± 3.8	9 ± 0.9	8 ± 0.6	11 ± 1.2
90.0	11 ± 4.0	21 ± 1.5	8 ± 1.8	10 ± 5.0	9 ± 0.7
300.0	12 ± 2.0	22 ± 4.0	7 ± 0.9	10 ± 1.5	8 ± 1.7
900.0	13 ± 2.0	18 ± 4.4	7 ± 1.3	12 ± 2.7	10 ± 2.7
3000.0	12 ± 1.5	17 ± 1.8	9 ± 1.2	13 ± 2.0	7 ± 2.2
9000.0	16 ± 3.5	17 ± 3.1	6 ± 1.2	10 ± 0.3	11 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					156 ± 5.6
Positive Control ³			85 ± 6.5	149 ± 7.5	
Positive Control ⁴	1122 ± 28.0	817 ± 19.0			

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CAS Number: **57-55-6**

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	9 ± 1.2
90.0	5 ± 2.0
300.0	5 ± 0.9
900.0	5 ± 1.0
3000.0	7 ± 2.0
9000.0	7 ± 1.5
Trial Summary	Negative
Positive Control ²	199 ± 6.9
Positive Control ³	
Positive Control ⁴	

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Test Compound: 1,2-Propylene glycol

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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	7 ± 0.0	16 ± 2.2	7 ± 1.0	9 ± 1.2	5 ± 0.9
90.0	5 ± 1.5	13 ± 2.1	6 ± 2.0	6 ± 0.9	5 ± 1.9
300.0	7 ± 1.3	12 ± 1.3	6 ± 2.1	6 ± 1.5	4 ± 1.5
900.0	7 ± 0.6	13 ± 1.2	5 ± 0.9	8 ± 1.8	8 ± 1.3
3000.0	6 ± 1.5	11 ± 0.3	6 ± 0.9	5 ± 1.5	8 ± 2.0
9000.0	7 ± 0.3	12 ± 2.2	4 ± 1.0	9 ± 1.2	5 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					140 ± 8.9
Positive Control ³			79 ± 11.0	139 ± 10.2	
Positive Control ⁵	964 ± 62.6	393 ± 85.4			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.7
90.0	4 ± 0.9
300.0	7 ± 1.5
900.0	4 ± 0.7
3000.0	7 ± 0.6
9000.0	8 ± 1.8
Trial Summary	Negative
Positive Control ²	81 ± 4.4
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	22 ± 1.5	33 ± 1.3	14 ± 0.6	24 ± 0.7	21 ± 4.0
90.0	17 ± 0.7	32 ± 3.0	15 ± 3.8	19 ± 1.8	20 ± 2.6
300.0	23 ± 3.6	23 ± 2.0	16 ± 0.9	27 ± 1.2	18 ± 4.3
900.0	13 ± 2.8	27 ± 2.0	15 ± 1.5	23 ± 3.2	18 ± 3.3
3000.0	12 ± 1.7	29 ± 2.0	16 ± 3.9	21 ± 4.7	14 ± 1.8
9000.0	16 ± 1.0	30 ± 1.7	21 ± 1.8	19 ± 2.9	18 ± 2.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					2061 ± 8.7
Positive Control ³			1375 ± 157.3	1618 ± 62.3	
Positive Control ⁶	1805 ± 27.5	2515 ± 139.9			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	23 ± 6.4
90.0	21 ± 2.9
300.0	26 ± 4.8
900.0	18 ± 5.0
3000.0	25 ± 3.2
9000.0	25 ± 1.5
Trial Summary	Negative
Positive Control ²	2423 ± 74.8
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 ****