

Experiment Number: 405466

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Polysorbate 80 (glycol)

CAS Number: 9005-65-6

Date Report Requested: 09/14/2018

Time Report Requested: 17:12:44

NTP Study Number:

405466

Study Result:

Negative

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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	137 ± 1.9	185 ± 4.7	124 ± 9.2	186 ± 9.2	132 ± 6.4
100.0	125 ± 9.0	172 ± 2.2	127 ± 3.6	188 ± 10.7	134 ± 13.3
333.0	137 ± 3.2	182 ± 3.5	121 ± 11.6	187 ± 3.2	122 ± 9.5
1000.0	122 ± 8.5	197 ± 11.5	128 ± 13.6	187 ± 9.8	127 ± 3.8
3333.0	116 ± 8.1	172 ± 3.2	121 ± 7.8	171 ± 4.9	110 ± 12.9
10000.0	117 ± 4.8	184 ± 6.1	104 ± 6.9	160 ± 13.6	116 ± 8.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					2318 ± 96.3
Positive Control ³			1263 ± 44.1	907 ± 11.2	
Positive Control ⁴	2054 ± 41.6	788 ± 36.9			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	196 ± 2.3
100.0	183 ± 11.3
333.0	168 ± 6.9
1000.0	189 ± 1.5
3333.0	161 ± 3.5
10000.0	163 ± 8.7
Trial Summary	Negative
Positive Control ²	1140 ± 44.1
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	25 ± 0.9	26 ± 3.3	10 ± 0.9	12 ± 1.9	10 ± 2.2
100.0	28 ± 3.7	24 ± 3.2	13 ± 2.9	10 ± 3.9	11 ± 1.5
333.0	20 ± 3.3	28 ± 4.1	12 ± 0.6	11 ± 0.9	10 ± 1.2
1000.0	22 ± 1.8	21 ± 3.2	10 ± 1.8	11 ± 1.0	11 ± 1.2
3333.0	20 ± 3.2	24 ± 1.7	9 ± 0.3	10 ± 2.2	11 ± 0.7
10000.0	18 ± 3.8	21 ± 2.3	11 ± 0.9	8 ± 1.8	9 ± 1.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					166 ± 20.9
Positive Control ³			104 ± 9.3	48 ± 6.2	
Positive Control ⁴	1427 ± 31.1	661 ± 14.0			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	12 ± 0.7
100.0	12 ± 1.7
333.0	16 ± 2.7
1000.0	13 ± 0.9
3333.0	16 ± 1.2
10000.0	8 ± 2.0
Trial Summary	Negative
Positive Control ²	63 ± 8.5
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	7 ± 1.2	7 ± 1.0	7 ± 1.5	7 ± 0.0	9 ± 0.6
100.0	6 ± 0.6	8 ± 0.9	5 ± 1.5	8 ± 0.9	11 ± 3.0
333.0	7 ± 0.9	9 ± 0.9	8 ± 1.5	9 ± 1.0	7 ± 0.9
1000.0	8 ± 2.0	9 ± 1.2	6 ± 1.5	8 ± 2.3	10 ± 2.0
3333.0	7 ± 0.7	4 ± 0.9	10 ± 2.5	6 ± 1.5	8 ± 1.0
10000.0	8 ± 1.0	9 ± 2.0	8 ± 1.2	5 ± 1.7	6 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					271 ± 13.8
Positive Control ³			104 ± 10.0	48 ± 4.3	
Positive Control ⁵	770 ± 65.4	258 ± 9.0			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 1.0
100.0	5 ± 1.5
333.0	5 ± 0.0
1000.0	5 ± 1.3
3333.0	8 ± 1.8
10000.0	9 ± 0.3
Trial Summary	Negative
Positive Control ²	72 ± 6.3
Positive Control ³	
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	17 ± 2.0	11 ± 2.3	19 ± 1.5	25 ± 1.2	23 ± 2.9
100.0	20 ± 2.3	15 ± 3.5	17 ± 1.2	27 ± 4.1	23 ± 2.9
333.0	24 ± 1.5	20 ± 2.4	21 ± 3.5	26 ± 1.2	29 ± 3.1
1000.0	23 ± 1.5	25 ± 1.0	21 ± 2.7	27 ± 1.2	27 ± 1.7
3333.0	20 ± 2.3	26 ± 2.8	15 ± 1.2	35 ± 0.9	28 ± 1.0
10000.0	18 ± 1.0	19 ± 2.8	19 ± 2.6	23 ± 3.5	22 ± 0.6
Trial Summary	Negative	Weakly Positive	Negative	Negative	Negative
Positive Control ²					
Positive Control ³				833 ± 32.4	663 ± 48.5
Positive Control ⁶	2047 ± 45.8	1211 ± 54.8	1250 ± 13.7		

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	28 ± 3.8	27 ± 5.0
100.0	33 ± 4.2	26 ± 3.5
333.0	29 ± 1.9	36 ± 1.9
1000.0	28 ± 3.6	32 ± 3.8
3333.0	26 ± 2.6	25 ± 1.7
10000.0	27 ± 4.0	32 ± 3.7
Trial Summary	Negative	Negative
Positive Control ²	1859 ± 72.6	1129 ± 91.5
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 **