

Experiment Number: 325301

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

G06: Ames Summary Data

Test Compound: **Polyethylene glycol 200**

CAS Number: **25322-68-3**

Date Report Requested: **09/12/2018**

Time Report Requested: **15:33:12**

NTP Study Number:

325301

Study Result:

Negative

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Date Report Requested: 09/12/2018

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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	120 ± 11.5	115 ± 5.8	154 ± 3.4	107 ± 4.7	105 ± 9.3
100.0	127 ± 9.0	153 ± 4.3	128 ± 1.5	128 ± 17.1	150 ± 13.3
333.0	128 ± 6.0	155 ± 12.1	138 ± 6.4	136 ± 14.4	146 ± 12.0
1000.0	132 ± 3.7	150 ± 8.1	125 ± 5.5	116 ± 6.4	143 ± 6.0
3333.0	132 ± 7.7	141 ± 7.4	129 ± 10.2	120 ± 7.5	137 ± 17.7
10000.0	119 ± 5.3	141 ± 9.5	155 ± 4.8	137 ± 7.6	137 ± 5.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	422 ± 16.8	330 ± 26.0			
Positive Control ³			445 ± 37.5	526 ± 25.3	735 ± 17.1

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	105 ± 3.0
100.0	135 ± 3.5
333.0	109 ± 3.6
1000.0	140 ± 10.1
3333.0	137 ± 3.3
10000.0	127 ± 2.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1359 ± 38.4

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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	33 ± 3.9	30 ± 1.2	12 ± 0.3	14 ± 3.5	11 ± 3.5
100.0	32 ± 3.7	48 ± 4.7	15 ± 2.8	17 ± 1.2	11 ± 2.1
333.0	29 ± 2.0	48 ± 4.7	14 ± 1.7	11 ± 2.0	8 ± 0.6
1000.0	29 ± 7.2	47 ± 1.3	13 ± 3.3	13 ± 2.2	16 ± 1.2
3333.0	33 ± 2.7	41 ± 7.5	11 ± 3.4	13 ± 2.6	12 ± 3.5
10000.0	32 ± 2.6	54 ± 7.7	14 ± 2.3	6 ± 1.9	12 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	452 ± 44.6	292 ± 10.0			
Positive Control ⁴			157 ± 13.0	188 ± 17.4	379 ± 23.6

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	9 ± 1.5
100.0	18 ± 1.8
333.0	15 ± 0.7
1000.0	17 ± 0.7
3333.0	17 ± 2.6
10000.0	17 ± 0.7
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	447 ± 18.5

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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	10 ± 1.8	3 ± 0.7	10 ± 2.7	6 ± 1.2	6 ± 0.3
100.0	9 ± 2.6	8 ± 1.5	13 ± 1.3	10 ± 2.1	13 ± 3.3
333.0	13 ± 0.7	9 ± 1.5	13 ± 0.9	10 ± 1.5	14 ± 0.7
1000.0	7 ± 1.5	9 ± 0.6	15 ± 0.6	6 ± 1.5	14 ± 2.5
3333.0	11 ± 2.2	10 ± 1.2	13 ± 0.9	6 ± 0.6	14 ± 0.9
10000.0	9 ± 1.7	9 ± 2.4	14 ± 0.6	7 ± 1.5	16 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			182 ± 3.0	135 ± 17.4	343 ± 21.8
Positive Control ⁵	261 ± 19.1	129 ± 6.9			

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Date Report Requested: 09/12/2018
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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 0.7
100.0	11 ± 1.5
333.0	8 ± 2.2
1000.0	6 ± 1.2
3333.0	9 ± 1.7
10000.0	9 ± 1.5
Trial Summary	Negative
Positive Control ⁴	436 ± 28.4
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	23 ± 4.0	12 ± 1.9	47 ± 2.8	26 ± 5.0	23 ± 3.8
100.0	22 ± 2.2	28 ± 1.2	38 ± 5.7	31 ± 0.7	35 ± 2.7
333.0	28 ± 2.2	29 ± 4.6	40 ± 7.4	32 ± 3.1	34 ± 5.0
1000.0	34 ± 3.2	28 ± 1.0	34 ± 4.5	29 ± 4.9	26 ± 0.9
3333.0	21 ± 2.6	23 ± 2.7	42 ± 6.6	31 ± 0.7	28 ± 2.3
10000.0	21 ± 3.1	25 ± 2.6	41 ± 1.5	35 ± 3.7	29 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³			300 ± 8.0	507 ± 6.6	1152 ± 4.9
Positive Control ⁶	871 ± 26.2	415 ± 6.7			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	29 ± 5.8
100.0	40 ± 6.2
333.0	37 ± 0.9
1000.0	34 ± 2.5
3333.0	35 ± 1.5
10000.0	28 ± 1.8
Trial Summary	Negative
Positive Control ³	1461 ± 63.9
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: 1.0 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****