

Experiment Number: 988909

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Sodium dodecyl sulfate

CAS Number: 151-21-3

Date Report Requested: 09/18/2018

Time Report Requested: 07:40:57

NTP Study Number:

988909

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	99 ± 3.5	172 ± 14.2	100 ± 4.6	141 ± 13.6	123 ± 10.6
3.0	142 ± 5.7	169 ± 5.1			
10.0	131 ± 13.6	156 ± 8.7	148 ± 3.9	164 ± 12.5	146 ± 5.4
33.0	113 ± 1.5	0 ± 0.0 ^s	140 ± 5.9	140 ± 7.2	146 ± 6.0
100.0	108 ± 10.1	0 ± 0.0 ^s	145 ± 11.0	151 ± 13.0	135 ± 4.2
333.0	30 ± 3.2	0 ± 0.0 ^s	126 ± 8.1	125 ± 5.2	124 ± 9.5
1000.0			44 ± 5.2 ^s	0 ± 0.0 ^s	23 ± 9.2 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			838 ± 11.3	764 ± 16.7	655 ± 67.7
Positive Control ³	236 ± 5.0	421 ± 4.7			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	171 ± 3.8
3.0	
10.0	172 ± 3.5
33.0	149 ± 13.7
100.0	152 ± 7.4
333.0	135 ± 6.2
1000.0	19 ± 3.2 ^s
Trial Summary	Negative
Positive Control ²	1307 ± 20.1
Positive Control ³	

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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	22 ± 3.1	37 ± 3.5	6 ± 1.0	11 ± 2.3	7 ± 2.3
3.0	41 ± 0.0	20 ± 0.7			
10.0	43 ± 3.5	26 ± 3.2	11 ± 3.4	15 ± 1.5	18 ± 1.2
33.0	35 ± 3.4	25 ± 2.6	13 ± 2.9	10 ± 1.5	16 ± 1.8
100.0	29 ± 2.3	20 ± 2.7	14 ± 2.5	10 ± 2.0	15 ± 2.7
333.0	17 ± 1.3	10 ± 3.3 ^s	13 ± 3.7	6 ± 1.8	10 ± 1.0
1000.0			5 ± 0.3	5 ± 1.2	7 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	245 ± 8.6	394 ± 2.3			
Positive Control ⁴			235 ± 16.5	307 ± 5.5	400 ± 36.5

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	11 ± 3.2
3.0	
10.0	13 ± 3.1
33.0	15 ± 1.5
100.0	13 ± 2.5
333.0	7 ± 1.0
1000.0	8 ± 0.0
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	486 ± 14.9

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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	9 ± 3.7	13 ± 1.9	5 ± 0.9	15 ± 0.6	7 ± 1.2
3.0	11 ± 1.2	9 ± 1.7			
10.0	15 ± 1.5	8 ± 0.7	17 ± 1.0	9 ± 0.0	13 ± 2.6
33.0	12 ± 1.8	4 ± 2.6	13 ± 1.9	7 ± 1.2	15 ± 1.5
100.0	11 ± 2.5	0 ± 0.0 ^s	9 ± 0.3	9 ± 1.8	18 ± 5.5
333.0	13 ± 2.9	0 ± 0.0 ^s	17 ± 3.7	11 ± 1.5	14 ± 0.9
1000.0			21 ± 3.3	12 ± 2.5	15 ± 1.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			342 ± 11.6	304 ± 2.9	487 ± 13.7
Positive Control ⁵	295 ± 50.4	242 ± 23.5			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	13 ± 3.0
3.0	
10.0	13 ± 2.3
33.0	11 ± 2.4
100.0	9 ± 1.5
333.0	10 ± 2.3
1000.0	11 ± 1.8
Trial Summary	Negative
Positive Control ⁴	424 ± 22.5
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	19 ± 3.1	20 ± 2.3	21 ± 2.3	39 ± 2.8	29 ± 5.8
3.0	32 ± 2.9	26 ± 4.4			
10.0	38 ± 6.7	27 ± 3.8	45 ± 7.4	38 ± 1.9	42 ± 0.9
33.0	40 ± 11.9	22 ± 3.8	38 ± 1.5	37 ± 3.6	45 ± 8.1
100.0	25 ± 3.8	22 ± 2.3	36 ± 3.2	32 ± 2.6	44 ± 2.3
333.0	23 ± 2.6	16 ± 1.2	39 ± 5.2 ^s	30 ± 5.5	29 ± 1.5
1000.0			15 ± 2.0 ^s	7 ± 2.5	24 ± 3.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			567 ± 23.3	571 ± 22.3	1325 ± 36.0
Positive Control ⁶	595 ± 22.1	687 ± 40.0			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	38 ± 4.1
3.0	
10.0	47 ± 3.7
33.0	44 ± 4.3
100.0	40 ± 1.5
333.0	35 ± 7.4
1000.0	20 ± 3.5
Trial Summary	Negative
Positive Control ²	1219 ± 34.6
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 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

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

s: Slight Toxicity

**** END OF REPORT ****