

Experiment Number: 994691

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Sodium xylenesulfonate

CAS Number: 1300-72-7

Date Report Requested: 09/18/2018

Time Report Requested: 08:21:22

NTP Study Number:

994691

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	95 ± 3.9	78 ± 11.2	129 ± 7.5	135 ± 5.8	144 ± 6.2
100.0	92 ± 3.6	72 ± 2.7	147 ± 13.7	111 ± 8.1	101 ± 2.5
333.0	103 ± 1.5	73 ± 6.1	154 ± 3.5	114 ± 19.7	120 ± 6.0
1000.0	93 ± 1.7	69 ± 3.7	152 ± 2.8	122 ± 5.2	117 ± 1.7
3333.0	90 ± 5.0	69 ± 2.3	112 ± 2.0	103 ± 9.9	119 ± 3.2
10000.0	98 ± 5.0	63 ± 8.5	110 ± 4.7	85 ± 4.5	125 ± 5.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1091 ± 111.2	717 ± 86.1	2509 ± 107.6
Positive Control ³	620 ± 83.1	330 ± 31.2			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	88 ± 4.5
100.0	76 ± 6.7
333.0	85 ± 7.5
1000.0	112 ± 14.7
3333.0	100 ± 9.2
10000.0	95 ± 3.2
Trial Summary	Negative
Positive Control ²	1708 ± 271.3
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	5 ± 1.5	5 ± 0.6	4 ± 0.3	4 ± 2.0	4 ± 1.2
100.0	6 ± 0.3	4 ± 0.9	4 ± 2.0	2 ± 1.0	11 ± 0.3
333.0	2 ± 0.6	1 ± 0.7	3 ± 0.7	3 ± 0.6	3 ± 1.2
1000.0	2 ± 0.3	3 ± 1.2	6 ± 0.9	4 ± 1.7	7 ± 1.5
3333.0	3 ± 0.3	2 ± 0.9	4 ± 0.6	2 ± 1.0	4 ± 1.5
10000.0	1 ± 0.3	1 ± 0.9	6 ± 0.9	3 ± 1.9	6 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control ²			115 ± 2.7	56 ± 2.9	93 ± 26.7
Positive Control ³	108 ± 7.1	134 ± 7.5			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.3
100.0	2 ± 1.3
333.0	2 ± 1.0
1000.0	5 ± 1.9
3333.0	3 ± 1.5
10000.0	4 ± 2.0
Trial Summary	Negative
Positive Control ²	48 ± 4.9
Positive Control ³	

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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	6 ± 2.4	4 ± 0.7	3 ± 0.5	12 ± 3.0	5 ± 0.6
100.0	3 ± 0.9	2 ± 0.3	5 ± 0.7	15 ± 2.7	10 ± 0.0
333.0	5 ± 0.6	3 ± 1.2	14 ± 3.0	17 ± 5.9	11 ± 1.8
1000.0	4 ± 0.3	3 ± 0.9	10 ± 1.3	18 ± 1.9	5 ± 0.3
3333.0	2 ± 0.3	2 ± 1.0	9 ± 1.5	18 ± 2.6	9 ± 0.3
10000.0	4 ± 1.9	2 ± 0.9	7 ± 1.5	11 ± 1.3	7 ± 0.3
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control ²			79 ± 7.9	121 ± 4.1	63 ± 1.3
Positive Control ⁴	918 ± 78.8	757 ± 113.8			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 1.5
100.0	12 ± 3.2
333.0	11 ± 4.6
1000.0	8 ± 0.7
3333.0	13 ± 2.0
10000.0	9 ± 2.0
Trial Summary	Negative
Positive Control ²	675 ± 15.3
Positive Control ⁴	

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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	15 ± 0.9	12 ± 2.0	20 ± 3.1	26 ± 2.3	23 ± 1.7
100.0	15 ± 2.3	17 ± 6.6	24 ± 2.5	22 ± 5.2	24 ± 0.9
333.0	19 ± 0.3	16 ± 1.0	20 ± 2.8	23 ± 2.2	18 ± 4.1
1000.0	14 ± 0.9	14 ± 1.7	23 ± 1.5	30 ± 9.5	16 ± 0.7
3333.0	21 ± 3.2	14 ± 1.0	22 ± 3.2	21 ± 3.9	23 ± 0.7
10000.0	23 ± 4.2	13 ± 2.4	26 ± 2.1	24 ± 5.2	26 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			617 ± 103.7	362 ± 25.0	2369 ± 46.4
Positive Control ⁵	301 ± 5.3	269 ± 21.5			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	19 ± 2.1
100.0	20 ± 1.7
333.0	19 ± 2.0
1000.0	17 ± 3.8
3333.0	18 ± 1.2
10000.0	17 ± 2.9
Trial Summary	Negative
Positive Control ²	1591 ± 75.9
Positive Control ⁵	

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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: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****