

Experiment Number: 411624

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Sulfacetamide

CAS Number: 144-80-9

Date Report Requested: 09/14/2018

Time Report Requested: 23:03:01

NTP Study Number:

411624

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	141 ± 0.9	146 ± 9.0	150 ± 9.4	155 ± 1.5	111 ± 7.0
100.0	141 ± 2.3	144 ± 2.2	141 ± 12.8	141 ± 6.7	116 ± 15.8
333.0	131 ± 6.6	156 ± 6.3	145 ± 10.5	155 ± 4.9	118 ± 6.7
1000.0	116 ± 13.1	122 ± 11.9	126 ± 4.1	149 ± 6.4	117 ± 7.0
3333.0	104 ± 9.9	106 ± 16.3	122 ± 1.5	130 ± 8.0	86 ± 8.6
10000.0	33 ± 0.3	61 ± 4.9	99 ± 6.8	101 ± 2.0	88 ± 4.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					1585 ± 46.4
Positive Control ³			674 ± 93.3	1063 ± 82.0	
Positive Control ⁴	2444 ± 105.0	1247 ± 36.8			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	149 ± 11.3
100.0	153 ± 3.8
333.0	135 ± 5.8
1000.0	148 ± 9.0
3333.0	129 ± 5.3
10000.0	117 ± 8.8
Trial Summary	Negative
Positive Control ²	1367 ± 61.4
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	14 ± 3.5	29 ± 3.8	15 ± 2.3	15 ± 1.3	9 ± 2.6
100.0	20 ± 1.2	24 ± 2.5	9 ± 1.7	11 ± 3.4	12 ± 3.5
333.0	22 ± 1.8	22 ± 1.2	12 ± 3.0	9 ± 2.0	11 ± 0.3
1000.0	13 ± 2.5	18 ± 4.4	13 ± 0.6	13 ± 1.0	10 ± 1.7
3333.0	18 ± 3.0	24 ± 2.0	11 ± 0.3	13 ± 0.7	10 ± 1.0
10000.0	11 ± 1.5	14 ± 1.0	9 ± 1.9	8 ± 1.5	10 ± 3.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					105 ± 9.3
Positive Control ³			129 ± 2.6	60 ± 7.1	
Positive Control ⁴	1530 ± 38.5	972 ± 10.6			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	11 ± 1.9
100.0	10 ± 0.9
333.0	15 ± 2.6
1000.0	7 ± 0.7
3333.0	7 ± 0.6
10000.0	7 ± 2.3
Trial Summary	Negative
Positive Control ²	56 ± 6.7
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	5 ± 0.0	9 ± 1.3	7 ± 1.0	9 ± 0.6	9 ± 1.5
100.0	6 ± 1.2	6 ± 0.7	9 ± 3.0	7 ± 0.0	6 ± 0.7
333.0	6 ± 1.2	7 ± 0.7	5 ± 0.3	8 ± 0.6	8 ± 0.6
1000.0	6 ± 0.9	6 ± 0.3	6 ± 1.2	6 ± 0.9	9 ± 1.5
3333.0	7 ± 1.2	5 ± 0.6	4 ± 1.3	3 ± 0.3	7 ± 0.7
10000.0	6 ± 0.3	3 ± 0.9	6 ± 0.7	4 ± 1.2	4 ± 1.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					122 ± 9.8
Positive Control ³			59 ± 1.5	76 ± 2.3	
Positive Control ⁵	819 ± 27.8				
Positive Control ⁶		386 ± 12.9			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.7
100.0	9 ± 1.5
333.0	8 ± 3.2
1000.0	6 ± 1.2
3333.0	4 ± 0.7
10000.0	3 ± 0.9
Trial Summary	Negative
Positive Control ²	97 ± 10.9
Positive Control ³	
Positive Control ⁵	
Positive Control ⁶	

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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	19 ± 3.1	24 ± 0.3	17 ± 2.5	28 ± 1.7	25 ± 2.4
100.0	23 ± 2.0	29 ± 3.2	18 ± 2.2	28 ± 6.7	25 ± 4.5
333.0	23 ± 2.3	23 ± 2.3	14 ± 1.9	30 ± 0.3	25 ± 0.7
1000.0	14 ± 1.5	25 ± 2.5	14 ± 0.7	25 ± 4.5	25 ± 2.0
3333.0	13 ± 0.7	24 ± 2.3	16 ± 2.9	19 ± 2.3	22 ± 4.3
10000.0	12 ± 1.2	29 ± 2.6	7 ± 2.1	16 ± 1.0	13 ± 2.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³				407 ± 5.6	779 ± 17.6
Positive Control ⁷	1917 ± 63.7	2077 ± 37.7	1381 ± 12.6		

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Strain: TA98

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	23 ± 2.3	30 ± 2.5	16 ± 0.6	28 ± 0.6
100.0	20 ± 2.3	25 ± 3.8	15 ± 1.7	28 ± 5.7
333.0	28 ± 3.2	34 ± 1.5	16 ± 1.9	27 ± 2.0
1000.0	22 ± 1.5	27 ± 2.3	17 ± 1.5	27 ± 3.4
3333.0	18 ± 2.6	28 ± 2.3	16 ± 3.3	23 ± 3.0
10000.0	15 ± 4.0	33 ± 1.2	10 ± 1.9	21 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²		1226 ± 67.8	2306 ± 96.9	1168 ± 71.9
Positive Control ³	932 ± 40.8			
Positive Control ⁷				

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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: Dimethyl Sulfoxide

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: 80.0 ug/Plate Sodium Azide

7: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****