

Experiment Number: 085516

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Sodium chloride

CAS Number: 7647-14-5

Date Report Requested: 09/11/2018

Time Report Requested: 06:25:43

NTP Study Number:

085516

Study Result:

Negative

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Date Report Requested: 09/11/2018
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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	100 ± 8.1	106 ± 4.4	99 ± 6.9	98 ± 2.2	97 ± 8.2
100.0	93 ± 1.5	103 ± 6.4	97 ± 3.8	91 ± 4.2	87 ± 3.8
333.0	88 ± 1.5	97 ± 5.9	105 ± 4.8	88 ± 2.1	94 ± 7.9
1000.0	87 ± 1.5	97 ± 11.3	104 ± 7.5	90 ± 5.9	98 ± 6.8
3333.0	88 ± 1.9	128 ± 10.3	111 ± 5.9	90 ± 2.6	94 ± 2.4
5000.0	83 ± 5.8	91 ± 5.9	105 ± 0.3	96 ± 1.5	113 ± 4.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					751 ± 59.6
Positive Control ³	351 ± 10.0	350 ± 9.5			
Positive Control ⁴			534 ± 17.4		
Positive Control ⁵					
Positive Control ⁶				587 ± 45.4	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	100 ± 4.8
100.0	95 ± 5.2
333.0	89 ± 1.5
1000.0	104 ± 6.0
3333.0	94 ± 3.5
5000.0	94 ± 5.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	1579 ± 27.1
Positive Control ⁶	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	18 ± 1.5	21 ± 3.5	13 ± 2.2	14 ± 2.1	11 ± 1.9
100.0	21 ± 4.3	20 ± 4.6	13 ± 4.4	14 ± 1.2	20 ± 9.2
333.0	17 ± 0.3	23 ± 1.9	11 ± 1.5	12 ± 2.0	12 ± 3.2
1000.0	20 ± 1.0	16 ± 3.2	11 ± 3.2	10 ± 0.9	13 ± 1.2
3333.0	18 ± 0.9	22 ± 0.3	11 ± 1.2	10 ± 1.2	7 ± 0.9
5000.0	20 ± 0.7	24 ± 3.2	15 ± 2.5	12 ± 1.2	10 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					91 ± 15.5
Positive Control ³	189 ± 7.8	227 ± 23.5			
Positive Control ⁵					
Positive Control ⁶			120 ± 2.5	97 ± 4.2	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 3.2
100.0	9 ± 0.6
333.0	13 ± 1.2
1000.0	9 ± 0.9
3333.0	9 ± 1.8
5000.0	10 ± 1.5
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	102 ± 2.5
Positive Control ⁶	

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Test Compound: Sodium chloride
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Date Report Requested: 09/11/2018
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Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	6 ± 0.7	6 ± 1.2	7 ± 1.9
100.0	8 ± 0.9	6 ± 1.0	7 ± 1.0
333.0	5 ± 1.5	7 ± 1.9	5 ± 1.0
1000.0	8 ± 1.0	6 ± 2.1	9 ± 1.2
3333.0	7 ± 1.7	10 ± 0.9	5 ± 0.9
5000.0	8 ± 1.2	7 ± 0.9	4 ± 0.6
Trial Summary	Negative	Negative	Negative
Positive Control ⁷		50 ± 3.6	196 ± 11.7
Positive Control ⁸	15 ± 2.6		

Experiment Number: 085516

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Test Compound: Sodium chloride

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Date Report Requested: 09/11/2018

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	92 ± 8.5	101 ± 0.3	143 ± 6.4	192 ± 7.5	113 ± 9.9
100.0	94 ± 1.5	97 ± 4.7	159 ± 15.9	214 ± 13.9	117 ± 9.5
333.0	107 ± 3.5	85 ± 0.7	145 ± 14.2	195 ± 11.9	130 ± 2.7
1000.0	87 ± 7.4	102 ± 6.3	152 ± 7.1	196 ± 1.2	110 ± 3.9
3333.0	92 ± 2.2	95 ± 1.7	160 ± 4.2	172 ± 10.3	114 ± 3.0
5000.0	81 ± 5.8	103 ± 3.8	125 ± 9.6	171 ± 10.7	117 ± 5.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					1020 ± 32.1
Positive Control ⁶			1149 ± 42.3		
Positive Control ⁷				473 ± 15.6	
Positive Control ⁹	209 ± 3.5	207 ± 25.9			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	164 ± 7.9
100.0	155 ± 5.2
333.0	161 ± 7.0
1000.0	166 ± 4.8
3333.0	163 ± 1.3
5000.0	156 ± 10.3
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	
Positive Control ⁷	1036 ± 3.2
Positive Control ⁹	

Experiment Number: 085516

Test Type: Genetic Toxicology - Bacterial
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Test Compound: Sodium chloride

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Date Report Requested: 09/11/2018

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 3.7	13 ± 3.2	30 ± 2.6	27 ± 3.0	28 ± 1.2
100.0	14 ± 1.2	19 ± 2.6	26 ± 1.2	28 ± 1.3	25 ± 0.9
333.0	17 ± 4.6	16 ± 1.9	24 ± 2.4	29 ± 0.6	22 ± 3.1
1000.0	15 ± 1.2	12 ± 3.5	27 ± 0.9	24 ± 4.0	24 ± 4.4
3333.0	14 ± 1.5	18 ± 0.9	22 ± 1.7	25 ± 4.5	26 ± 2.2
5000.0	14 ± 0.9	15 ± 2.6	26 ± 3.4	29 ± 2.0	22 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ¹⁰					230 ± 10.4
Positive Control ²			219 ± 9.5		
Positive Control ¹¹	129 ± 2.2	204 ± 15.7			
Positive Control ⁵				99 ± 3.5	

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Test Compound: Sodium chloride
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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	28 ± 2.3
100.0	30 ± 1.8
333.0	29 ± 1.8
1000.0	29 ± 4.7
3333.0	24 ± 1.7
5000.0	25 ± 2.5
Trial Summary	Negative
Positive Control ¹⁰	
Positive Control ²	540 ± 29.1
Positive Control ¹¹	
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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 2.5 ug/Plate 2-Aminoanthracene

8: 4.0 ug/Plate 9-Aminoacridine

9: 8.0 ug/Plate 9-Aminoacridine

10: 0.2 ug/Plate 2-Aminoanthracene

11: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****