

Experiment Number: 388163

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

G06: Ames Summary Data

Test Compound: **Sodium chloride**

CAS Number: 7647-14-5

Date Report Requested: 09/14/2018

Time Report Requested: 09:48:26

NTP Study Number:

388163

Study Result:

Negative

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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	115 ± 7.2	97 ± 7.7	146 ± 10.3	131 ± 6.0	168 ± 2.1
100.0	133 ± 4.3	86 ± 3.0	159 ± 6.4	133 ± 13.2	158 ± 11.5
333.0	112 ± 2.4	94 ± 6.8	143 ± 6.1	136 ± 15.9	154 ± 11.5
1000.0	114 ± 11.0	83 ± 1.5	140 ± 13.4	140 ± 7.3	176 ± 3.0
3333.0	114 ± 1.5	90 ± 5.8	128 ± 15.4	123 ± 7.5	148 ± 5.4
10000.0	118 ± 4.6	86 ± 3.1	122 ± 10.1	139 ± 5.8	161 ± 2.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					815 ± 3.5
Positive Control ³	468 ± 6.2	277 ± 22.2			
Positive Control ⁴			509 ± 6.7	322 ± 23.9	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	135 ± 9.8
100.0	139 ± 15.1
333.0	143 ± 9.7
1000.0	143 ± 8.4
3333.0	115 ± 14.4
10000.0	142 ± 3.0
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	814 ± 40.2

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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	11 ± 1.9	15 ± 0.7	8 ± 1.2	9 ± 2.3	7 ± 1.2
100.0	10 ± 0.9	16 ± 0.6	8 ± 1.2	14 ± 1.7	10 ± 2.0
333.0	12 ± 2.5	15 ± 2.7	7 ± 2.3	11 ± 1.5	10 ± 1.0
1000.0	13 ± 3.0	11 ± 2.0	5 ± 0.9	11 ± 1.5	6 ± 1.0
3333.0	13 ± 1.2	13 ± 1.8	6 ± 1.5	16 ± 0.9	8 ± 1.2
10000.0	13 ± 1.5	13 ± 1.7	8 ± 1.3	13 ± 2.1	5 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					300 ± 7.8
Positive Control ³	355 ± 8.1	284 ± 6.7			
Positive Control ⁵			217 ± 8.2	85 ± 3.7	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 1.8
100.0	12 ± 2.6
333.0	8 ± 0.7
1000.0	10 ± 1.0
3333.0	9 ± 1.2
10000.0	11 ± 1.9
Trial Summary	Negative
Positive Control ⁴	
Positive Control ³	
Positive Control ⁵	503 ± 17.0

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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	182 ± 10.5	124 ± 9.3	197 ± 6.2	171 ± 8.8	157 ± 4.6
100.0	148 ± 4.2	146 ± 6.0	197 ± 6.2	181 ± 6.9	184 ± 3.1
333.0	162 ± 12.7	151 ± 7.2	208 ± 6.2	171 ± 5.8	182 ± 10.7
1000.0	166 ± 16.3	160 ± 5.5	197 ± 4.1	184 ± 12.5	199 ± 0.9
3333.0	181 ± 4.2	156 ± 9.5	207 ± 5.8	170 ± 18.0	185 ± 9.4
10000.0	131 ± 7.8	141 ± 27.7	206 ± 1.5	190 ± 9.4	195 ± 6.4
Trial Summary	Negative	Equivocal	Negative	Negative	Negative
Positive Control ²					553 ± 20.9
Positive Control ⁴			472 ± 7.9		
Positive Control ⁵				450 ± 11.7	
Positive Control ⁶	454 ± 6.2	864 ± 35.3			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	185 ± 0.9
100.0	154 ± 10.8
333.0	170 ± 15.5
1000.0	155 ± 1.7
3333.0	142 ± 3.5
10000.0	167 ± 10.5
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	479 ± 5.5
Positive Control ⁵	
Positive Control ⁶	

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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	30 ± 1.3	17 ± 0.3	30 ± 0.9	34 ± 3.5	26 ± 2.7
100.0	23 ± 1.2	15 ± 1.0	25 ± 0.9	29 ± 1.7	27 ± 1.2
333.0	26 ± 1.7	18 ± 1.7	27 ± 4.6	33 ± 2.9	30 ± 3.2
1000.0	21 ± 2.3	21 ± 2.8	28 ± 4.8	26 ± 0.9	26 ± 1.5
3333.0	21 ± 3.7	19 ± 4.7	33 ± 2.0	22 ± 2.0	26 ± 1.2
10000.0	20 ± 2.6	19 ± 2.1	33 ± 3.8	26 ± 0.9	23 ± 3.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					612 ± 7.0
Positive Control ⁴			331 ± 16.7	116 ± 9.7	
Positive Control ⁷	673 ± 13.0	581 ± 20.3			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	34 ± 3.1
100.0	34 ± 1.7
333.0	33 ± 1.2
1000.0	40 ± 3.8
3333.0	30 ± 3.2
10000.0	33 ± 4.1
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	456 ± 54.2
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: Water

2: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 1.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 2-Aminoanthracene

6: 50.0 ug/Plate 9-Aminoacridine

7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****