

Experiment Number: 095647
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Water
CAS Number: 7732-18-5

Date Report Requested: 09/11/2018
Time Report Requested: 07:41:19

NTP Study Number: 095647
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	112 ± 2.0	125 ± 7.3	122 ± 8.0	142 ± 4.0	84 ± 6.6
100.0	101 ± 4.7	106 ± 8.7	121 ± 5.5	145 ± 6.2	91 ± 1.5
333.0	107 ± 2.0	111 ± 11.1	118 ± 1.9	139 ± 2.1	86 ± 5.0
1000.0	105 ± 2.0	113 ± 10.4	127 ± 12.0	128 ± 7.7	85 ± 4.2
3333.0	99 ± 0.9	116 ± 5.7	139 ± 12.7	125 ± 3.9	90 ± 7.2
10000.0	94 ± 5.9	92 ± 11.1	125 ± 5.7	123 ± 8.0	86 ± 3.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					554 ± 20.4
Positive Control ³	460 ± 20.7	370 ± 14.5			
Positive Control ⁴			526 ± 12.7		
Positive Control ⁵					
Positive Control ⁶				913 ± 57.9	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	138 ± 8.2
100.0	132 ± 1.3
333.0	124 ± 1.5
1000.0	128 ± 2.7
3333.0	107 ± 7.1
10000.0	110 ± 7.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	469 ± 8.1
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	14 ± 0.6	17 ± 1.8	11 ± 0.9	10 ± 1.8	10 ± 0.9
100.0	19 ± 2.6	14 ± 0.7	9 ± 1.5	9 ± 1.3	8 ± 0.6
333.0	17 ± 0.6	17 ± 2.4	10 ± 0.9	9 ± 0.9	13 ± 3.4
1000.0	18 ± 3.3	18 ± 2.3	9 ± 2.3	10 ± 2.0	12 ± 3.8
3333.0	12 ± 2.6	16 ± 1.7	11 ± 1.8	8 ± 1.2	11 ± 1.3
10000.0	16 ± 2.4	15 ± 2.9	9 ± 2.2	15 ± 1.0	11 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					35 ± 6.4
Positive Control ³	186 ± 5.3	233 ± 19.1			
Positive Control ⁵					
Positive Control ⁶			99 ± 1.2	138 ± 11.6	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	7 ± 1.5
100.0	9 ± 2.4
333.0	10 ± 2.0
1000.0	8 ± 1.3
3333.0	10 ± 3.2
10000.0	10 ± 1.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	64 ± 4.2
Positive Control ⁶	

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Test Compound: Water

CAS Number: 7732-18-5

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 ± 1.5	5 ± 1.3	5 ± 0.0
100.0	4 ± 1.5	8 ± 1.2	6 ± 0.9
333.0	6 ± 1.7	7 ± 1.2	9 ± 3.1
1000.0	5 ± 0.7	4 ± 0.3	7 ± 1.7
3333.0	6 ± 1.8	4 ± 0.6	3 ± 1.3
10000.0	4 ± 0.9	7 ± 1.8	6 ± 1.2
Trial Summary	Negative	Negative	Negative
Positive Control ⁷		59 ± 6.4	85 ± 5.9
Positive Control ⁸	56 ± 12.8		

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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	82 ± 3.3	64 ± 2.1	116 ± 4.3	127 ± 7.4	93 ± 6.4
100.0	81 ± 8.2	63 ± 0.9	108 ± 3.8	135 ± 3.4	102 ± 1.9
333.0	103 ± 6.9	70 ± 2.1	111 ± 0.7	153 ± 10.7	104 ± 5.4
1000.0	93 ± 1.9	69 ± 2.7	101 ± 2.3	147 ± 9.2	103 ± 9.6
3333.0	89 ± 8.3	64 ± 2.4	104 ± 5.2	129 ± 5.2	100 ± 5.6
10000.0	88 ± 7.3	69 ± 4.0	116 ± 1.2	153 ± 4.6	107 ± 5.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					351 ± 29.8
Positive Control ⁶			624 ± 32.2		
Positive Control ⁷				515 ± 14.2	
Positive Control ⁹	263 ± 17.9	141 ± 4.6			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	126 ± 3.8
100.0	134 ± 9.5
333.0	132 ± 8.0
1000.0	144 ± 11.8
3333.0	152 ± 13.9
10000.0	138 ± 0.3
Trial Summary	Negative
Positive Control ⁴	
Positive Control ⁶	
Positive Control ⁷	584 ± 32.2
Positive Control ⁹	

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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	15 ± 1.5	10 ± 1.3	20 ± 1.8	35 ± 1.0	29 ± 3.6
100.0	23 ± 1.8	13 ± 2.5	26 ± 0.7	32 ± 3.0	30 ± 2.4
333.0	22 ± 3.4	14 ± 1.5	24 ± 1.7	36 ± 3.8	30 ± 3.2
1000.0	19 ± 1.2	15 ± 1.5	29 ± 2.0	37 ± 2.1	31 ± 2.4
3333.0	20 ± 4.8	16 ± 2.1	25 ± 4.5	41 ± 4.0	32 ± 2.2
10000.0	15 ± 1.7	16 ± 5.2	23 ± 1.0	35 ± 4.6	30 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ¹⁰					63 ± 3.7
Positive Control ²			219 ± 15.5		
Positive Control ¹¹	154 ± 14.4	176 ± 4.0			
Positive Control ⁵				221 ± 19.7	

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Test Compound: Water

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	35 ± 2.3
100.0	37 ± 6.9
333.0	31 ± 4.0
1000.0	36 ± 2.7
3333.0	34 ± 2.1
10000.0	30 ± 1.2
Trial Summary	Negative
Positive Control ¹⁰	
Positive Control ²	78 ± 3.2
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 ****