

Experiment Number: **A77015**

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

G06: Ames Summary Data

Test Compound: **Water**

CAS Number: **7732-18-5**

Date Report Requested: **09/17/2018**

Time Report Requested: **23:13:58**

NTP Study Number:

A77015

Study Result:

Negative

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CAS Number: 7732-18-5

Date Report Requested: 09/17/2018

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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	153 ± 6.1	135 ± 6.7	143 ± 8.1	192 ± 5.0	139 ± 2.1
666.0	146 ± 8.1	128 ± 21.5	166 ± 3.0	205 ± 5.0	144 ± 4.7
1000.0	163 ± 1.2	142 ± 1.9	139 ± 6.0	170 ± 8.3	168 ± 10.7
3333.0	171 ± 4.9	131 ± 16.5	150 ± 17.6	176 ± 7.6	173 ± 1.2
6666.0	156 ± 15.5	115 ± 9.9	141 ± 6.4	174 ± 12.7	153 ± 9.1
10000.0	140 ± 0.6	125 ± 1.5	133 ± 8.3	177 ± 8.1	138 ± 7.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			797 ± 7.8		2000 ± 28.4
Positive Control ³	627 ± 7.1	540 ± 19.2			
Positive Control ⁴				633 ± 7.4	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	172 ± 7.0
666.0	176 ± 12.3
1000.0	179 ± 9.2
3333.0	174 ± 7.8
6666.0	171 ± 3.6
10000.0	180 ± 7.9
Trial Summary	Negative
Positive Control ²	661 ± 63.5
Positive Control ³	
Positive Control ⁴	

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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	9 ± 1.3	16 ± 1.5	11 ± 2.7	15 ± 1.5	12 ± 4.8
666.0	16 ± 1.2	19 ± 2.7	15 ± 1.7	13 ± 3.1	10 ± 2.7
1000.0	16 ± 1.7	16 ± 2.0	10 ± 3.4	15 ± 3.2	8 ± 1.9
3333.0	13 ± 0.0	23 ± 2.7	10 ± 2.2	15 ± 2.2	10 ± 1.5
6666.0	14 ± 1.9	23 ± 2.2	13 ± 2.6	19 ± 5.2	11 ± 1.8
10000.0	15 ± 4.6	18 ± 5.0	13 ± 1.9	16 ± 1.2	11 ± 1.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			96 ± 4.7	66 ± 5.5	197 ± 11.1
Positive Control ³	549 ± 23.9	495 ± 11.7			

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	12 ± 1.5
666.0	14 ± 1.7
1000.0	17 ± 1.9
3333.0	22 ± 3.0
6666.0	16 ± 0.9
10000.0	17 ± 1.5
Trial Summary	Negative
Positive Control ²	137 ± 5.8
Positive Control ³	

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	99 ± 6.2	154 ± 8.5	180 ± 5.0	218 ± 25.1	341 ± 18.8
666.0	102 ± 10.7	154 ± 12.3	184 ± 9.0	306 ± 10.7	307 ± 18.0
1000.0	101 ± 3.5	145 ± 2.2	199 ± 0.0	298 ± 27.0	335 ± 5.5
3333.0	105 ± 12.2	148 ± 2.6	206 ± 10.8	301 ± 10.3	311 ± 6.0
6666.0	88 ± 20.0	123 ± 8.1	217 ± 9.2	289 ± 18.8	326 ± 16.7
10000.0	91 ± 12.1	123 ± 12.7	213 ± 9.8	298 ± 7.2	333 ± 7.3
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control ²			428 ± 18.2	398 ± 17.5	
Positive Control ⁴					592 ± 9.6
Positive Control ⁵		290 ± 13.7			
Positive Control ⁶	183 ± 99.5				

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Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	186 ± 8.7	259 ± 7.5
666.0	198 ± 20.0	285 ± 12.8
1000.0	210 ± 7.2	201 ± 101.7
3333.0	196 ± 13.4	275 ± 7.8
6666.0	196 ± 3.3	228 ± 11.8
10000.0	202 ± 20.8	259 ± 12.7
Trial Summary	Negative	Negative
Positive Control ²	1034 ± 67.8	692 ± 9.0
Positive Control ⁴		
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	20 ± 0.6	19 ± 2.9	27 ± 6.7	35 ± 1.0	28 ± 1.2
666.0	29 ± 2.7	21 ± 2.5	24 ± 1.5	40 ± 2.7	26 ± 5.2
1000.0	30 ± 6.2	20 ± 2.9	14 ± 2.7	40 ± 0.7	33 ± 4.0
3333.0	25 ± 3.6	18 ± 4.7	23 ± 2.0	33 ± 1.3	26 ± 3.8
6666.0	28 ± 0.3	13 ± 2.9	29 ± 1.9	37 ± 2.9	33 ± 3.2
10000.0	23 ± 1.0	27 ± 6.1	22 ± 2.6	38 ± 4.2	32 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			612 ± 9.3	209 ± 13.5	1896 ± 31.2
Positive Control ⁷	222 ± 19.4	143 ± 8.1			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	39 ± 6.9
666.0	37 ± 2.3
1000.0	30 ± 8.2
3333.0	33 ± 2.4
6666.0	33 ± 16.7
10000.0	46 ± 2.5
Trial Summary	Negative
Positive Control ²	630 ± 7.2
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: 1.0 ug/Plate 2-Aminoanthracene
- 3: 1.0 ug/Plate Sodium Azide
- 4: 2.0 ug/Plate 2-Aminoanthracene
- 5: 50.0 ug/Plate 9-Aminoacridine
- 6: 50.0 ug/Plate Mitomycin-C
- 7: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****