

Experiment Number: 919233
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: 06:28:27

NTP Study Number: 919233
Study Result: Negative

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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 ± 7.4	144 ± 5.0	152 ± 7.4	146 ± 5.9	163 ± 5.7
100.0	154 ± 6.6	140 ± 6.8	158 ± 17.9	179 ± 0.9	178 ± 0.9
333.0	169 ± 10.5	148 ± 10.1	147 ± 7.0	178 ± 1.2	179 ± 5.0
1000.0	137 ± 19.9	138 ± 11.9	149 ± 3.8	175 ± 2.9	164 ± 9.6
3333.0	157 ± 9.0	150 ± 3.8	156 ± 12.1	174 ± 4.1	172 ± 4.9
10000.0	158 ± 10.7	152 ± 11.3	155 ± 1.3	165 ± 8.1	179 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					975 ± 19.6
Positive Control ³	528 ± 12.3	358 ± 4.9			
Positive Control ⁴			529 ± 1.8	337 ± 24.2	

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	178 ± 3.5
100.0	175 ± 4.1
333.0	174 ± 6.8
1000.0	180 ± 4.4
3333.0	167 ± 5.2
10000.0	168 ± 6.8
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	630 ± 22.0

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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	26 ± 3.2	21 ± 3.8	12 ± 1.5	15 ± 2.7	11 ± 2.1
100.0	27 ± 0.3	18 ± 0.7	9 ± 0.9	13 ± 1.5	9 ± 3.5
333.0	23 ± 1.8	15 ± 0.7	10 ± 1.0	15 ± 1.9	9 ± 1.2
1000.0	28 ± 1.5	19 ± 0.9	8 ± 1.3	12 ± 0.9	7 ± 1.5
3333.0	32 ± 4.1	16 ± 0.3	11 ± 3.0	13 ± 0.3	10 ± 1.0
10000.0	28 ± 3.5	17 ± 2.8	8 ± 0.7	14 ± 1.2	7 ± 2.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴					234 ± 14.4
Positive Control ³	527 ± 22.0	426 ± 8.7			
Positive Control ⁵			158 ± 3.8	129 ± 8.8	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	9 ± 0.9
100.0	9 ± 0.6
333.0	9 ± 0.9
1000.0	8 ± 1.2
3333.0	8 ± 0.0
10000.0	8 ± 1.5
Trial Summary	Negative
Positive Control ⁴	
Positive Control ³	
Positive Control ⁵	422 ± 30.5

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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	160 ± 6.1	169 ± 7.6	165 ± 19.2	164 ± 5.2	183 ± 10.2
100.0	172 ± 10.1	161 ± 4.8	171 ± 14.0	182 ± 14.0	198 ± 5.2
333.0	173 ± 18.3	163 ± 13.2	167 ± 7.0	191 ± 11.5	179 ± 7.3
1000.0	173 ± 13.7	171 ± 4.7	159 ± 19.3	164 ± 16.6	166 ± 13.3
3333.0	165 ± 8.7	163 ± 9.9	167 ± 9.5	182 ± 7.9	170 ± 14.4
10000.0	168 ± 4.4	165 ± 9.3	175 ± 5.9	132 ± 18.7	188 ± 8.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					473 ± 36.1
Positive Control ⁴			395 ± 16.4		
Positive Control ⁵				468 ± 22.5	
Positive Control ⁶	368 ± 20.8				
Positive Control ⁷		840 ± 12.9			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	195 ± 5.4
100.0	202 ± 2.6
333.0	198 ± 2.7
1000.0	203 ± 3.6
3333.0	191 ± 8.8
10000.0	193 ± 5.4
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	394 ± 7.5
Positive Control ⁵	
Positive Control ⁶	
Positive Control ⁷	

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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	29 ± 1.2	20 ± 1.5	40 ± 3.9	33 ± 2.1	43 ± 0.3
100.0	23 ± 2.3	22 ± 1.2	44 ± 6.2	36 ± 1.5	44 ± 0.7
333.0	26 ± 2.0	21 ± 2.3	36 ± 6.5	36 ± 2.0	44 ± 1.3
1000.0	23 ± 2.8	20 ± 2.9	43 ± 6.5	25 ± 1.8	42 ± 1.5
3333.0	23 ± 1.3	22 ± 3.3	35 ± 3.7	30 ± 4.0	43 ± 2.9
10000.0	28 ± 3.3	17 ± 2.0	46 ± 11.1	30 ± 1.5	41 ± 4.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					498 ± 32.1
Positive Control ⁴			230 ± 1.5	140 ± 6.4	
Positive Control ⁸	891 ± 86.1	906 ± 54.0			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	37 ± 3.4
100.0	37 ± 2.1
333.0	34 ± 5.0
1000.0	34 ± 4.2
3333.0	33 ± 3.9
10000.0	33 ± 2.8
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	386 ± 11.0
Positive Control ⁸	

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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: 25.0 ug/Plate 9-Aminoacridine
- 7: 50.0 ug/Plate 9-Aminoacridine
- 8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****