

Experiment Number: 763573

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

G06: Ames Summary Data

Test Compound: **5-Chloro-o-toluidine**

CAS Number: **95-79-4**

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

Time Report Requested: **19:42:24**

NTP Study Number:

763573

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	143 ± 9.6	146 ± 4.2	160 ± 5.4	103 ± 7.4	151 ± 9.8
1.0				96 ± 9.0	
3.0				95 ± 10.0	
10.0	133 ± 3.2	146 ± 6.4		101 ± 11.3	
33.0	125 ± 1.5	146 ± 1.5	205 ± 11.5	102 ± 1.2	166 ± 10.0
100.0	120 ± 7.3	146 ± 9.6	179 ± 8.5	91 ± 9.9	159 ± 8.3
333.0	121 ± 5.5	119 ± 8.4	156 ± 6.8		156 ± 11.3
666.0		96 ± 10.3			
1000.0	33 ± 27.6 ^s		111 ± 11.3		95 ± 7.2
1666.0			80 ± 2.6		78 ± 6.4
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control ²					
Positive Control ³			412 ± 8.9	656 ± 40.0	
Positive Control ⁴	414 ± 6.0	383 ± 13.2			
Positive Control ⁵					421 ± 9.1

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Strain: TA100

Dose (ug/Plate)	With 5% Hamster S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	143 ± 1.7	145 ± 10.1	162 ± 10.7	142 ± 5.8	153 ± 15.8
1.0					
3.0					
10.0	132 ± 4.2	146 ± 3.2		152 ± 6.4	
33.0	132 ± 5.3	148 ± 4.6	176 ± 7.9	135 ± 4.7	176 ± 1.8
100.0	146 ± 7.8	152 ± 10.2	177 ± 6.1	142 ± 11.1	195 ± 6.8
333.0	123 ± 3.5	126 ± 5.8	174 ± 7.9	149 ± 6.7	211 ± 5.2
666.0	117 ± 13.0	119 ± 16.6		141 ± 6.1	
1000.0			128 ± 18.4		172 ± 5.0
1666.0			66 ± 11.0 ^s		116 ± 9.2
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control ²	1072 ± 31.6	827 ± 36.0	634 ± 11.1	803 ± 69.2	
Positive Control ³					491 ± 45.0
Positive Control ⁴					
Positive Control ⁵					

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	149 ± 16.9
1.0	
3.0	
10.0	176 ± 5.2
33.0	163 ± 6.0
100.0	145 ± 2.7
333.0	163 ± 12.1
666.0	171 ± 17.8
1000.0	
1666.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ³	645 ± 40.0
Positive Control ⁴	
Positive Control ⁵	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 5% Hamster S9
Vehicle Control ¹	22 ± 2.3	21 ± 1.7	11 ± 2.1	15 ± 4.8	8 ± 1.7
10.0	21 ± 0.7	14 ± 1.5			11 ± 2.0
33.0	23 ± 2.1	18 ± 1.2	9 ± 1.9	14 ± 2.9	8 ± 1.2
100.0	21 ± 3.1	19 ± 3.5	7 ± 0.6	10 ± 0.7	8 ± 0.3
333.0	21 ± 2.4	24 ± 0.9	9 ± 2.7	14 ± 2.7	8 ± 1.9
666.0	8 ± 0.9 ^s	20 ± 5.0			9 ± 0.3
1000.0			7 ± 1.2	10 ± 3.0	
1666.0			3 ± 1.8	5 ± 0.6	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					92 ± 8.1
Positive Control ⁴	286 ± 6.6	276 ± 10.4			
Positive Control ⁵			111 ± 8.7		
Positive Control ⁶				86 ± 3.8	

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	11 ± 2.6	10 ± 1.2	8 ± 1.9	11 ± 1.2
10.0	8 ± 1.2		12 ± 1.3	
33.0	10 ± 1.0	11 ± 0.6	10 ± 1.3	11 ± 3.3
100.0	6 ± 2.4	10 ± 2.0	13 ± 2.2	12 ± 2.3
333.0	5 ± 0.3	10 ± 1.7	8 ± 2.4	9 ± 1.5
666.0	9 ± 1.7		10 ± 0.6	
1000.0		9 ± 2.3		11 ± 1.2
1666.0		4 ± 0.3		6 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³	89 ± 6.5	169 ± 13.7		
Positive Control ⁴				
Positive Control ⁵			235 ± 32.9	392 ± 59.3
Positive Control ⁶				

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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	180 ± 2.7	160 ± 10.8	186 ± 11.3	207 ± 15.3	160 ± 3.2
10.0	180 ± 11.2	163 ± 7.2			
33.0	202 ± 5.8	141 ± 3.4	198 ± 5.2	211 ± 6.7	181 ± 5.6
100.0	199 ± 8.4	147 ± 10.8	205 ± 2.2	181 ± 2.6	192 ± 10.6
333.0	170 ± 6.6	132 ± 5.1	174 ± 5.9	175 ± 12.7	162 ± 1.5
666.0	110 ± 9.1	103 ± 11.3			
1000.0			125 ± 1.8	96 ± 17.5	111 ± 2.4
1666.0			101 ± 2.1	108 ± 3.2	100 ± 5.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					411 ± 13.1
Positive Control ³			322 ± 0.9		
Positive Control ⁵				435 ± 11.9	
Positive Control ⁷	545 ± 18.2	535 ± 10.3			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	176 ± 14.7
10.0	
33.0	122 ± 18.7
100.0	188 ± 7.3
333.0	185 ± 2.8
666.0	
1000.0	135 ± 3.9
1666.0	110 ± 8.4
Trial Summary	Negative
Positive Control ²	
Positive Control ³	452 ± 37.0
Positive Control ⁵	
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	26 ± 1.7	17 ± 2.0	27 ± 0.7	44 ± 3.5	25 ± 1.0
10.0	27 ± 3.6	17 ± 0.9			
33.0	29 ± 2.0	20 ± 5.2	31 ± 4.4	40 ± 5.5	30 ± 5.8
100.0	25 ± 0.9	20 ± 2.4	29 ± 1.2	48 ± 1.5	30 ± 1.7
333.0	25 ± 0.3	18 ± 1.9	35 ± 2.5	32 ± 4.9	35 ± 4.6
666.0		17 ± 0.6			
1000.0	15 ± 7.6 ^s		30 ± 1.7	41 ± 1.8	38 ± 6.1
1666.0			26 ± 1.3	24 ± 2.6	36 ± 5.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					495 ± 29.2
Positive Control ³			205 ± 10.1	89 ± 4.1	
Positive Control ⁸	709 ± 22.2	384 ± 24.4			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	31 ± 3.1
10.0	
33.0	39 ± 6.4
100.0	40 ± 4.7
333.0	43 ± 3.0
666.0	
1000.0	35 ± 3.5
1666.0	49 ± 3.8
Trial Summary	Negative
Positive Control ²	
Positive Control ³	300 ± 22.8
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: Dimethyl Sulfoxide

2: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****