

Experiment Number: 991791

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

G06: Ames Summary Data

Test Compound: **3-Chloro-p-toluidine**

CAS Number: **95-74-9**

Date Report Requested: **09/18/2018**

Time Report Requested: **08:03:03**

NTP Study Number:

991791

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 10% Hamster S9
Vehicle Control ¹	78 ± 2.3	109 ± 6.2	82 ± 2.4	155 ± 3.4	88 ± 9.7
33.0	83 ± 1.5	112 ± 7.6	81 ± 7.8	150 ± 10.2	96 ± 9.2
100.0	101 ± 4.7	122 ± 6.4	89 ± 4.7	140 ± 2.6	109 ± 6.7
333.0	80 ± 15.0	111 ± 10.0	86 ± 14.8	162 ± 2.2	105 ± 5.1
1000.0	69 ± 18.2	81 ± 9.6	61 ± 30.1	145 ± 7.0	79 ± 15.0
3333.0	48 ± 25.3	120 ± 5.5	95 ± 6.4	152 ± 2.0	105 ± 14.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1106 ± 63.6	2100 ± 17.9	1607 ± 185.5
Positive Control ³	504 ± 66.9	1268 ± 11.3			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	158 ± 12.6
33.0	172 ± 9.1
100.0	172 ± 14.2
333.0	150 ± 3.0
1000.0	154 ± 17.6
3333.0	153 ± 1.5
Trial Summary	Negative
Positive Control ²	2458 ± 49.7
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	7 ± 2.8	24 ± 0.9	13 ± 3.8	28 ± 6.3	6 ± 1.5
10.0		27 ± 2.7		32 ± 0.7	
33.0	6 ± 1.2	16 ± 4.1	12 ± 0.9	39 ± 2.3	6 ± 0.6
100.0	6 ± 0.3	25 ± 3.5	9 ± 0.3	35 ± 1.3	11 ± 1.2
333.0	1 ± 1.0	18 ± 2.6	4 ± 4.3	33 ± 1.5	10 ± 0.6
1000.0	2 ± 0.9	9 ± 5.2	9 ± 5.5	15 ± 7.7	0 ± 0.0
3333.0	3 ± 1.7		0 ± 0.0		10 ± 5.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			79 ± 3.5	186 ± 23.5	83 ± 2.3
Positive Control ³	615 ± 39.2	1482 ± 7.3			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	24 ± 3.4
10.0	32 ± 2.7
33.0	35 ± 4.0
100.0	28 ± 3.0
333.0	21 ± 11.6
1000.0	23 ± 6.4
3333.0	
Trial Summary	Negative
Positive Control ²	229 ± 20.2
Positive Control ³	

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	3 ± 0.3	7 ± 1.2	6 ± 1.5	9 ± 1.5	7 ± 2.1
33.0	4 ± 0.9	8 ± 0.9	2 ± 1.0	12 ± 0.9	5 ± 0.9
100.0	1 ± 0.3	5 ± 0.9	4 ± 1.2	10 ± 1.2	7 ± 1.5
333.0	3 ± 2.2	5 ± 2.0	2 ± 0.3	8 ± 0.6	5 ± 0.3
1000.0	3 ± 1.7	3 ± 1.2	4 ± 1.5	5 ± 2.6	6 ± 0.3
3333.0	2 ± 0.3	0 ± 0.0	1 ± 0.7	5 ± 2.3	4 ± 1.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			77 ± 3.0	170 ± 12.1	110 ± 9.8
Positive Control ⁴	83 ± 8.5	249 ± 32.5			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	16 ± 1.2
33.0	21 ± 4.7
100.0	12 ± 1.8
333.0	14 ± 2.3
1000.0	8 ± 1.2
3333.0	7 ± 2.0
Trial Summary	Negative
Positive Control ²	100 ± 5.9
Positive Control ⁴	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	20 ± 1.5	23 ± 5.7	27 ± 2.4	22 ± 0.9	27 ± 4.2
10.0		29 ± 2.9		24 ± 1.5	
33.0	11 ± 2.2	26 ± 1.5	22 ± 3.5	21 ± 1.5	21 ± 0.6
100.0	21 ± 4.5	23 ± 2.6	21 ± 2.0	25 ± 2.5	20 ± 4.4
333.0	6 ± 6.0	18 ± 4.5	21 ± 1.5	20 ± 0.9	15 ± 3.5
1000.0	11 ± 2.3	30 ± 5.5	17 ± 1.9	8 ± 3.8	22 ± 2.5
3333.0	2 ± 2.0		6 ± 3.8		15 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			840 ± 78.6	1371 ± 78.6	716 ± 51.5
Positive Control ⁵	671 ± 23.8	304 ± 46.9			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	37 ± 2.4
10.0	35 ± 6.1
33.0	36 ± 2.2
100.0	31 ± 2.5
333.0	35 ± 3.5
1000.0	21 ± 8.3
3333.0	
Trial Summary	Negative
Positive Control ²	2079 ± 50.4
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: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****