

Experiment Number: 356768

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

**G06: Ames Summary Data**

Test Compound: **m-Chloroaniline**

CAS Number: **108-42-9**

Date Report Requested: **09/13/2018**

Time Report Requested: **19:52:04**

**NTP Study Number:**

356768

**Study Result:**

Negative

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Date Report Requested: 09/13/2018

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## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	99 ± 5.4	120 ± 4.1	85 ± 4.9	157 ± 5.4	105 ± 6.1
10.0			83 ± 1.5		
33.0	99 ± 7.6	100 ± 4.3	72 ± 1.2	138 ± 0.3	80 ± 4.7
100.0	75 ± 4.6	95 ± 6.0	89 ± 4.5	127 ± 8.0	77 ± 3.8
333.0	88 ± 7.0	91 ± 4.0	87 ± 2.1	141 ± 9.4	83 ± 4.1
1000.0	83 ± 4.7	97 ± 16.0	72 ± 2.8	94 ± 8.8	32 ± 13.0
3333.0	Toxic	Toxic		Toxic	0 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>				1441 ± 191.4	1899 ± 77.9
Positive Control <sup>3</sup>	550 ± 18.5	401 ± 38.1	1137 ± 21.3		

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## Strain: TA100

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	186 ± 2.2	121 ± 6.9	114 ± 2.3	143 ± 8.8
10.0	130 ± 5.2			183 ± 18.0
33.0	139 ± 4.2	125 ± 12.2	92 ± 11.0	214 ± 6.4
100.0	149 ± 7.5	126 ± 5.9	99 ± 4.4	190 ± 6.2
333.0	181 ± 13.1	106 ± 10.6	99 ± 7.4	201 ± 15.0
1000.0	148 ± 5.5	120 ± 9.0	Toxic	156 ± 5.0
3333.0		Toxic	Toxic	
Trial Summary	Negative	Negative	Negative	Equivocal
Positive Control <sup>2</sup>	2784 ± 45.1	1502 ± 108.1	456 ± 18.3	1175 ± 177.2
Positive Control <sup>3</sup>				

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	8 ± 0.7	9 ± 0.9	5 ± 0.3	21 ± 1.3	10 ± 1.5
3.3			10 ± 2.3		6 ± 2.2
10.0			5 ± 1.0		10 ± 1.3
33.0	7 ± 0.9	7 ± 1.0	8 ± 2.1	18 ± 2.4	6 ± 0.6
100.0	3 ± 0.3	7 ± 2.7	5 ± 1.3	13 ± 3.5	4 ± 1.2
333.0	5 ± 1.5	8 ± 2.5	5 ± 0.7	15 ± 0.7	6 ± 0.7
1000.0	2 ± 0.9	5 ± 0.3		0 ± 0.0	
3333.0	Toxic	Toxic		0 ± 0.0	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					305 ± 3.2
Positive Control <sup>4</sup>				151 ± 3.5	
Positive Control <sup>3</sup>	759 ± 32.0	552 ± 23.6	770 ± 67.0		

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## Strain: TA1535

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	18 ± 2.4	22 ± 2.2	7 ± 2.7	11 ± 1.2
3.3	19 ± 5.2		5 ± 0.3	17 ± 3.5
10.0	10 ± 0.6		5 ± 1.5	11 ± 2.6
33.0	12 ± 1.0	19 ± 4.7	6 ± 0.9	15 ± 2.6
100.0	19 ± 1.5	29 ± 1.5	2 ± 0.7	13 ± 2.3
333.0	16 ± 2.2	26 ± 3.3	3 ± 0.3	10 ± 3.1
1000.0		0 ± 0.0		
3333.0		0 ± 0.3		
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			129 ± 6.8	
Positive Control <sup>4</sup>	129 ± 14.8	86 ± 3.5		175 ± 33.6
Positive Control <sup>3</sup>				

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## Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	4 ± 0.7	9 ± 2.2	4 ± 0.7	9 ± 1.5	14 ± 1.2
3.3			3 ± 0.7		
10.0		9 ± 1.5	2 ± 0.3		8 ± 0.9
33.0	6 ± 1.2	8 ± 0.7	2 ± 0.3	12 ± 0.9	11 ± 1.5
100.0	6 ± 1.9	8 ± 2.1	2 ± 0.7	19 ± 1.2	11 ± 0.3
333.0	7 ± 0.9	1 ± 0.7	1 ± 0.6	17 ± 1.0	13 ± 1.7
1000.0	Toxic	0 ± 0.0		Toxic	0 ± 0.0
3333.0	Toxic			4 ± 2.2	
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control <sup>2</sup>				148 ± 10.7	61 ± 2.3
Positive Control <sup>4</sup>					
Positive Control <sup>5</sup>	119 ± 16.4	174 ± 27.3	303 ± 85.3		

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**Strain: TA1537**

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	15 ± 2.5	12 ± 2.4	9 ± 0.6	11 ± 1.2
3.3	6 ± 0.6			10 ± 0.7
10.0	8 ± 1.9		8 ± 1.5	12 ± 0.5
33.0	6 ± 1.7	10 ± 5.0	8 ± 0.9	8 ± 1.2
100.0	5 ± 0.6	11 ± 5.5	6 ± 0.3	6 ± 0.6
333.0	7 ± 1.5	9 ± 1.5	3 ± 1.0	5 ± 1.2
1000.0		Toxic	0 ± 0.0	
3333.0		0 ± 0.3		
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>		155 ± 47.1	90 ± 9.5	
Positive Control <sup>4</sup>	261 ± 26.3			127 ± 7.2
Positive Control <sup>5</sup>				

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Test Compound: m-Chloroaniline

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	14 ± 1.2	15 ± 1.2	19 ± 0.9	14 ± 1.2	25 ± 2.3
1.0					
3.3					
10.0		20 ± 1.0	21 ± 1.5		38 ± 4.2
33.0	13 ± 0.9	16 ± 5.2	17 ± 1.9	21 ± 1.2	22 ± 1.5
100.0	15 ± 1.2	18 ± 2.4	20 ± 5.7	27 ± 1.0	29 ± 0.3
333.0	15 ± 1.8	18 ± 2.6	19 ± 2.3	23 ± 2.4	29 ± 1.9
1000.0	Toxic	17 ± 1.2	19 ± 3.8	Toxic	3 ± 2.5
3333.0	1 ± 0.0			2 ± 0.7	
Trial Summary	Negative	Negative	Negative	Weakly Positive	Negative
Positive Control <sup>2</sup>				1063 ± 47.6	1140 ± 25.6
Positive Control <sup>6</sup>	626 ± 179.6	409 ± 33.5	219 ± 8.6		



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## Strain: TA98

Dose (ug/Plate)	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	39 ± 3.7	29 ± 1.7	18 ± 1.8	36 ± 4.5	27 ± 0.6
1.0		29 ± 2.3			
3.3		36 ± 4.2			
10.0	42 ± 2.7	46 ± 3.8		31 ± 2.8	28 ± 2.1
33.0	47 ± 2.9	21 ± 3.5	22 ± 1.5	36 ± 2.0	33 ± 5.8
100.0	47 ± 3.0	23 ± 6.8	25 ± 0.6	40 ± 5.8	43 ± 2.0
333.0	44 ± 2.4	6 ± 2.2	17 ± 0.9	32 ± 1.2	32 ± 2.3
1000.0	31 ± 5.5		Toxic	30 ± 0.3	27 ± 3.8
3333.0			3 ± 0.9		
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	2159 ± 28.8	497 ± 51.3	1253 ± 74.6	657 ± 73.4	835 ± 86.4
Positive Control <sup>6</sup>					

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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	32 ± 0.3
1.0	58 ± 5.7
3.3	69 ± 2.7
10.0	77 ± 3.8
33.0	64 ± 4.3
100.0	Toxic
333.0	0 ± 0.0
1000.0	
3333.0	
Trial Summary	Positive
Positive Control <sup>2</sup>	764 ± 29.4
Positive Control <sup>6</sup>	

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### **LEGEND**

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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: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 2.0 ug/Plate 2-Aminoanthracene

5: 33.0 ug/Plate 9-Aminoacridine

6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**\*\* END OF REPORT \*\***