

Experiment Number: 884172

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

**G06: Ames Summary Data**

Test Compound: **m-Chloronitrobenzene**

CAS Number: **121-73-3**

Date Report Requested: **09/16/2018**

Time Report Requested: **19:51:59**

**NTP Study Number:**

884172

**Study Result:**

Equivocal

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## G06: Ames Summary Data

Test Compound: m-Chloronitrobenzene  
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Date Report Requested: 09/16/2018

Time Report Requested: 19:51:59

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	120 ± 6.9	123 ± 9.5	115 ± 6.8	127 ± 5.0	109 ± 8.7
3.3	119 ± 6.6				
10.0	108 ± 6.6		122 ± 9.3		121 ± 3.9
33.0	124 ± 3.8	121 ± 15.6	133 ± 5.8	129 ± 7.0	110 ± 7.2
100.0	118 ± 15.3	142 ± 1.5	129 ± 10.6	135 ± 0.3	126 ± 12.1
200.0		158 ± 4.2			
250.0		159 ± 9.0 <sup>s</sup>			
333.0	132 ± 15.9 <sup>s</sup>	107 ± 4.5 <sup>s</sup>	123 ± 8.6	152 ± 7.3 <sup>s</sup>	142 ± 1.5
400.0				129 ± 6.6 <sup>s</sup>	
500.0				Toxic	
666.0			Toxic		106 ± 1.5 <sup>s</sup>
Trial Summary	Negative	Equivocal	Negative	Negative	Equivocal
Positive Control <sup>2</sup>					1197 ± 31.6
Positive Control <sup>3</sup>			1031 ± 52.9	878 ± 12.9	
Positive Control <sup>4</sup>	2018 ± 42.0	1559 ± 20.2			

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Strain: TA100

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	101 ± 8.5
3.3	
10.0	
33.0	100 ± 11.9
100.0	116 ± 4.4
200.0	
250.0	
333.0	147 ± 10.0 <sup>s</sup>
400.0	142 ± 8.8 <sup>s</sup>
500.0	Toxic
666.0	
Trial Summary	Equivocal
Positive Control <sup>2</sup>	1920 ± 146.5
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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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 <sup>1</sup>	21 ± 5.4	20 ± 1.5	10 ± 1.5	9 ± 1.2	9 ± 1.5
3.3	20 ± 3.2				
10.0	16 ± 3.4		14 ± 2.2		11 ± 4.3
33.0	18 ± 2.0	21 ± 2.7	12 ± 2.2	9 ± 1.8	9 ± 2.5
100.0	19 ± 3.4	17 ± 0.9	14 ± 1.3	14 ± 0.3	12 ± 1.5
200.0		20 ± 1.0			
250.0		21 ± 2.3			
333.0	4 ± 1.3 <sup>s</sup>	15 ± 1.2 <sup>s</sup>	10 ± 1.2	9 ± 0.9 <sup>s</sup>	10 ± 1.0
400.0				8 ± 1.7 <sup>s</sup>	
500.0				10 ± 1.5 <sup>s</sup>	
666.0			Toxic		8 ± 1.0 <sup>s</sup>
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					85 ± 1.5
Positive Control <sup>3</sup>			68 ± 1.5	56 ± 2.3	
Positive Control <sup>4</sup>	1411 ± 7.6	1134 ± 30.5			

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

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CAS Number: 121-73-3

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	7 ± 0.3
3.3	
10.0	
33.0	7 ± 2.0
100.0	10 ± 0.6
200.0	
250.0	
333.0	7 ± 1.8 <sup>s</sup>
400.0	7 ± 1.9 <sup>s</sup>
500.0	5 ± 1.5 <sup>s</sup>
666.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	134 ± 7.7
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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Test Compound: m-Chloronitrobenzene  
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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 <sup>1</sup>	11 ± 6.8	7 ± 0.9	9 ± 1.2	10 ± 3.2	8 ± 2.6
3.3	10 ± 3.3				
10.0	4 ± 2.0		11 ± 2.6		9 ± 1.5
33.0	7 ± 1.8	9 ± 1.9	8 ± 1.0	10 ± 1.9	5 ± 0.3
100.0	7 ± 2.7	6 ± 1.7	7 ± 0.9	11 ± 1.2	7 ± 0.9
200.0		5 ± 1.7			
250.0		7 ± 1.3 <sup>s</sup>			
333.0	16 ± 1.8 <sup>s</sup>	4 ± 2.1 <sup>s</sup>	4 ± 1.5	7 ± 0.7	6 ± 1.5
400.0				6 ± 0.9	
500.0				4 ± 0.9 <sup>s</sup>	
666.0			Toxic		Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					90 ± 5.4
Positive Control <sup>3</sup>			76 ± 12.2	80 ± 5.5	
Positive Control <sup>5</sup>	356 ± 18.6	138 ± 4.3			

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Strain: TA1537

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	9 ± 1.2
3.3	
10.0	
33.0	7 ± 1.2
100.0	10 ± 3.2
200.0	
250.0	
333.0	7 ± 1.2
400.0	5 ± 2.4 <sup>s</sup>
500.0	8 ± 1.8 <sup>s</sup>
666.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	168 ± 6.8
Positive Control <sup>3</sup>	
Positive Control <sup>5</sup>	

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## G06: Ames Summary Data

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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 <sup>1</sup>	19 ± 2.7	16 ± 0.6	18 ± 1.3	26 ± 3.8	39 ± 1.2
3.3	20 ± 2.2				
10.0	22 ± 2.4		32 ± 3.8		27 ± 5.0
33.0	18 ± 1.8	18 ± 0.9	26 ± 0.3	32 ± 3.7	25 ± 3.2
100.0	20 ± 0.3	23 ± 2.0	27 ± 2.6	28 ± 3.5	27 ± 3.3
200.0		25 ± 0.3			
250.0		26 ± 0.6 <sup>S</sup>			
333.0	10 ± 4.1 <sup>S</sup>	19 ± 3.2 <sup>S</sup>	27 ± 2.2	25 ± 4.3	32 ± 3.7
400.0				15 ± 1.5 <sup>S</sup>	
500.0				18 ± 8.0	
666.0			Toxic		Toxic
Trial Summary	Negative	Equivocal	Equivocal	Negative	Negative
Positive Control <sup>2</sup>					1509 ± 106.6
Positive Control <sup>3</sup>			1185 ± 18.2	876 ± 91.6	
Positive Control <sup>6</sup>	1464 ± 82.6	1539 ± 9.6			



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Strain: TA98

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Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	35 ± 2.7
3.3	
10.0	
33.0	26 ± 1.9
100.0	34 ± 4.7
200.0	
250.0	
333.0	28 ± 1.3 <sup>s</sup>
400.0	26 ± 2.5 <sup>s</sup>
500.0	20 ± 2.7 <sup>s</sup>
666.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	1845 ± 51.4
Positive Control <sup>3</sup>	
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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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