

Experiment Number: 689524

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2-Chloronitrobenzene

CAS Number: 88-73-3

Date Report Requested: 09/13/2018

Time Report Requested: 02:08:52

**NTP Study Number:**

689524

**Study Result:**

Positive

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## G06: Ames Summary Data

Test Compound: 2-Chloronitrobenzene

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## Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	159 ± 9.0	172 ± 3.5	169 ± 2.5	127 ± 2.1	147 ± 16.3
10.0	143 ± 3.2				177 ± 8.0
33.0	156 ± 10.1	169 ± 4.7			188 ± 16.7
100.0	142 ± 9.9	177 ± 8.2	177 ± 13.0	165 ± 7.3	294 ± 5.5
133.0					
166.0			192 ± 2.8		682 ± 16.8
250.0					
333.0	129 ± 13.9	249 ± 10.7	198 ± 1.5	195 ± 2.6	312 ± 62.2
666.0	Toxic		238 ± 26.5	260 ± 7.5	
1000.0		339 ± 4.9	255 ± 4.6	236 ± 9.0	
1666.0		309 ± 22.8		209 ± 10.3	
Trial Summary	Negative	Positive	Weakly Positive	Positive	Positive
Positive Control <sup>2</sup>					736 ± 21.3
Positive Control <sup>3</sup>	450 ± 6.3				
Positive Control <sup>4</sup>		536 ± 14.4	558 ± 19.5	578 ± 41.9	

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Strain: TA100

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	157 ± 6.9
10.0	
33.0	167 ± 6.0
100.0	272 ± 10.9
133.0	374 ± 11.3
166.0	434 ± 9.1
250.0	567 ± 25.0
333.0	
666.0	
1000.0	
1666.0	
Trial Summary	Positive
Positive Control <sup>2</sup>	697 ± 75.4
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	

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## Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	20 ± 0.0	41 ± 5.0	33 ± 2.9	28 ± 3.2	29 ± 3.7
10.0	17 ± 1.7				25 ± 5.9
33.0	16 ± 3.0	35 ± 4.2	30 ± 4.6	26 ± 2.9	18 ± 0.9
66.0			35 ± 3.0	38 ± 3.8	
100.0	21 ± 0.6	37 ± 4.4	47 ± 5.5	41 ± 3.5	36 ± 1.3
133.0			45 ± 5.9	43 ± 2.3	
166.0			53 ± 2.3	56 ± 1.9	56 ± 2.0
333.0	21 ± 3.3	45 ± 2.4			14 ± 14.3 <sup>s</sup>
666.0	Toxic				
1000.0		30 ± 3.2			
1666.0		36 ± 6.0			
Trial Summary	Negative	Negative	Equivocal	Weakly Positive	Equivocal
Positive Control <sup>5</sup>			1369 ± 184.7	835 ± 79.5	
Positive Control <sup>2</sup>		147 ± 18.8			425 ± 22.2
Positive Control <sup>6</sup>	543 ± 21.3				

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Strain: TA98

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Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control <sup>1</sup>	26 ± 1.5	27 ± 2.3
10.0		
33.0	27 ± 4.9	25 ± 2.9
66.0	30 ± 2.4	37 ± 4.7
100.0	37 ± 2.9	46 ± 4.2
133.0	51 ± 0.7	62 ± 6.7
166.0	53 ± 4.0	58 ± 4.4
333.0		
666.0		
1000.0		
1666.0		
Trial Summary	Positive	Positive
Positive Control <sup>5</sup>		
Positive Control <sup>2</sup>	464 ± 20.4	491 ± 13.8
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: 1.0 ug/Plate Sodium Azide
- 4: 2.5 ug/Plate 2-Aminoanthracene
- 5: 0.5 ug/Plate 2-Aminoanthracene
- 6: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

\*\* END OF REPORT \*\*