

Experiment Number: 123419

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

**G06: Ames Summary Data**

Test Compound: **2-Chloronitrobenzene**

CAS Number: **88-73-3**

Date Report Requested: **09/12/2018**

Time Report Requested: **02:22:42**

**NTP Study Number:**

123419

**Study Result:**

Positive

Experiment Number: 123419

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## G06: Ames Summary Data

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CAS Number: 88-73-3

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## Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	118 ± 2.6	127 ± 8.5	88 ± 1.2	118 ± 10.4	99 ± 5.8
10.0	118 ± 3.5	134 ± 11.2	106 ± 9.8	125 ± 13.3	112 ± 9.6
33.3	116 ± 9.6	118 ± 10.8	121 ± 3.5	117 ± 13.7	103 ± 1.5
100.0	131 ± 3.2	144 ± 9.3	138 ± 2.6	124 ± 9.8	224 ± 14.6
333.3	124 ± 6.9	190 ± 27.0	149 ± 6.4	253 ± 66.8	360 ± 18.7
1000.0	Toxic	62 ± 4.1 <sup>s</sup>	133 ± 68.1	110 ± 58.7 <sup>s</sup>	Toxic
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>		866 ± 21.3	925 ± 55.2	2266 ± 23.5	1603 ± 50.7
Positive Control <sup>3</sup>	359 ± 12.7				

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**Strain: TA1535**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	14 ± 0.9	9 ± 2.2	14 ± 0.9
10.0	19 ± 1.5	10 ± 2.2	12 ± 1.7
33.3	18 ± 1.8	9 ± 1.7	12 ± 2.9
100.0	15 ± 2.1	9 ± 4.0	12 ± 1.5
333.3	16 ± 2.6	12 ± 3.7	13 ± 3.8
1000.0	7 ± 4.1 <sup>s</sup>	2 ± 1.7 <sup>s</sup>	2 ± 1.0 <sup>s</sup>
Trial Summary	Negative	Negative	Negative
Positive Control <sup>3</sup>	509 ± 24.3		
Positive Control <sup>4</sup>		553 ± 91.7	509 ± 24.3

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	10 ± 1.9	10 ± 1.5	15 ± 0.9
10.0	12 ± 2.3	13 ± 2.3	12 ± 1.7
33.3	13 ± 2.0	9 ± 2.5	13 ± 2.3
100.0	9 ± 1.7	10 ± 1.7	11 ± 1.8
333.3	9 ± 2.4	13 ± 0.3	10 ± 3.7
1000.0	2 ± 2.0 <sup>s</sup>	2 ± 1.2 <sup>s</sup>	2 ± 2.3 <sup>s</sup>
Trial Summary	Negative	Negative	Negative
Positive Control <sup>4</sup>		317 ± 24.5	606 ± 15.8
Positive Control <sup>5</sup>	247 ± 16.6		

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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	30 ± 4.0	47 ± 4.0	39 ± 5.4
10.0	36 ± 5.2	46 ± 1.8	48 ± 6.4
33.3	35 ± 2.0	43 ± 2.9	49 ± 5.7
100.0	31 ± 3.0	44 ± 4.3	43 ± 5.9
333.3	29 ± 1.7	40 ± 7.1	48 ± 6.7
1000.0	2 ± 2.3 <sup>s</sup>	16 ± 2.7 <sup>s</sup>	18 ± 11.4 <sup>s</sup>
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>		671 ± 26.8	1970 ± 40.8
Positive Control <sup>6</sup>	594 ± 16.2		

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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: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

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