

Experiment Number: 270911

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

G06: Ames Summary Data

Test Compound: **2-Chloronitrobenzene**

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

Date Report Requested: **09/11/2018**

Time Report Requested: **09:07:53**

NTP Study Number:

270911

Study Result:

Positive

Experiment Number: 270911

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Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Chloronitrobenzene

CAS Number: 88-73-3

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	89 ± 6.8	154 ± 4.6	152 ± 3.7	126 ± 7.4	113 ± 7.8
3.0	127 ± 4.7				
10.0	123 ± 4.4	157 ± 6.8	144 ± 2.3		108 ± 7.5
33.0	106 ± 8.1	173 ± 13.9	144 ± 8.1	166 ± 2.3	146 ± 8.7
66.0				206 ± 6.1	180 ± 3.7
100.0	129 ± 6.0	170 ± 5.5	167 ± 13.4	237 ± 12.0	255 ± 17.9
166.0				416 ± 19.3	380 ± 9.2
333.0	121 ± 4.3	192 ± 3.3	196 ± 4.4	511 ± 29.1	
666.0		232 ± 12.3	234 ± 15.1		
Trial Summary	Equivocal	Equivocal	Equivocal	Positive	Positive
Positive Control ²				606 ± 54.6	595 ± 47.8
Positive Control ³		463 ± 40.2	405 ± 1.5		
Positive Control ⁴	906 ± 6.0				

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	20 ± 4.1	34 ± 7.2	18 ± 1.5	14 ± 3.5
3.0	30 ± 2.3			13 ± 2.1
10.0	25 ± 3.8	23 ± 2.8	24 ± 2.7	13 ± 1.2
33.0	30 ± 1.5	28 ± 2.2	21 ± 2.5	21 ± 2.9
66.0			31 ± 3.5	19 ± 1.5
100.0	28 ± 2.2	23 ± 1.5	43 ± 3.3	19 ± 1.8
166.0			59 ± 4.7	40 ± 0.3
333.0	25 ± 1.0	27 ± 3.1		37 ± 5.7
666.0		28 ± 0.9		
Trial Summary	Negative	Negative	Positive	Weakly Positive
Positive Control ²		152 ± 12.3	502 ± 19.0	508 ± 45.4
Positive Control ⁵	575 ± 17.3			

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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: Dimethyl Sulfoxide

2: 1.0 ug/Plate 2-Aminoanthracene

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****