

Experiment Number: 063582

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 3,4,5-Trichloronitrobenzene

CAS Number: 20098-48-0

Date Report Requested: 09/10/2018

Time Report Requested: 17:45:45

NTP Study Number:

063582

Study Result:

Positive

Experiment Number: 063582

Test Type: Genetic Toxicology - Bacterial
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G06: Ames Summary Data

Test Compound: 3,4,5-Trichloronitrobenzene
CAS Number: 20098-48-0

Date Report Requested: 09/10/2018

Time Report Requested: 17:45:45

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	90 ± 6.7	111 ± 5.8	129 ± 7.9	101 ± 5.3	108 ± 4.4
0.3	100 ± 5.7				
1.0	94 ± 5.2				
3.0	88 ± 7.5				
10.0	100 ± 2.0	137 ± 11.7	123 ± 18.8	101 ± 10.8	104 ± 2.6
33.0	71 ± 4.3	146 ± 9.8	186 ± 20.0	104 ± 13.6	109 ± 9.8
66.0		201 ± 7.7	288 ± 12.8	228 ± 22.4	228 ± 26.0
100.0		301 ± 19.6	433 ± 37.8	676 ± 37.3	899 ± 10.5
166.0			452 ± 10.4		932 ± 31.5
333.0		289 ± 13.1		1038 ± 55.0	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²				566 ± 26.6	532 ± 9.7
Positive Control ³		476 ± 24.5	312 ± 3.8		
Positive Control ⁴	1204 ± 37.9				

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Strain: TA1538

Dose (ug/Plate)	With 30% Rat S9
Vehicle Control ¹	16 ± 1.5
10.0	18 ± 1.2
33.0	21 ± 2.2
66.0	23 ± 3.2
100.0	15 ± 1.7
166.0	13 ± 0.9
333.0	15 ± 2.2
Trial Summary	Negative
Positive Control ²	93 ± 6.7

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CAS Number: 20098-48-0

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Strain: TA98

Dose (ug/Plate)	Without S9	With 5% Rat S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	18 ± 4.1	26 ± 0.3	32 ± 3.2	34 ± 2.9	32 ± 2.5
0.3	20 ± 3.7				
1.0	22 ± 3.3	31 ± 4.1	30 ± 4.4		38 ± 1.2
3.0	19 ± 1.2	31 ± 2.6	32 ± 2.3		32 ± 4.6
10.0	16 ± 3.4	30 ± 4.0	41 ± 4.6	35 ± 7.6	34 ± 4.7
33.0	8 ± 0.3 ^s	29 ± 1.5	42 ± 2.3	45 ± 4.3	30 ± 5.2
66.0		21 ± 2.7	59 ± 10.5	46 ± 6.4	49 ± 4.8
100.0		12 ± 2.0	30 ± 6.1	41 ± 5.8	71 ± 3.6
166.0					
333.0				27 ± 5.8	
Trial Summary	Negative	Negative	Equivocal	Negative	Equivocal
Positive Control ²		308 ± 20.9	138 ± 13.3	127 ± 25.2	103 ± 11.7
Positive Control ⁵	586 ± 28.1				
Positive Control ³					

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Strain: TA98

Dose (ug/Plate)	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	19 ± 1.7	22 ± 4.9	24 ± 4.4
0.3			
1.0			
3.0			
10.0	22 ± 4.4	21 ± 3.7	
33.0	20 ± 0.6	18 ± 1.0	23 ± 3.1
66.0	29 ± 1.9	29 ± 4.9	26 ± 2.9
100.0	42 ± 4.1	58 ± 6.8	81 ± 1.8
166.0	26 ± 3.2		82 ± 5.1
333.0	21 ± 4.1	50 ± 11.4	106 ± 14.7
Trial Summary	Equivocal	Positive	Positive
Positive Control ²	108 ± 7.7	513 ± 44.5	
Positive Control ⁵			
Positive Control ³			281 ± 24.5

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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

s: Slight Toxicity

**** END OF REPORT ****