

Experiment Number: 024933

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Dichloroacetic acid

CAS Number: 79-43-6

Date Report Requested: 09/14/2018

Time Report Requested: 13:27:28

NTP Study Number: 024933

Study Result: Positive

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G06: Ames Summary Data

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Time Report Requested: 13:27:28

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	129 ± 2.9	97 ± 8.8	109 ± 13.4	156 ± 4.3	121 ± 8.6
33.0	134 ± 7.2			147 ± 3.2	124 ± 10.2
100.0	131 ± 11.7	104 ± 10.4		162 ± 5.0	135 ± 5.8
333.0	153 ± 0.7	111 ± 7.4	96 ± 1.9	167 ± 5.0	140 ± 6.4
666.0		120 ± 3.3	146 ± 13.9		
1000.0	188 ± 1.5	129 ± 9.3	157 ± 11.2	175 ± 0.9	133 ± 11.4
1666.0		170 ± 4.4	158 ± 6.0		
3333.0	307 ± 14.6	186 ± 4.6	238 ± 4.0	160 ± 2.5	135 ± 3.5
6666.0			Toxic		
Trial Summary	Positive	Positive	Positive	Negative	Negative
Positive Control ²					542 ± 22.7
Positive Control ³				373 ± 1.2	
Positive Control ⁴	734 ± 20.6	590 ± 24.4	309 ± 18.9		

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9
Vehicle Control ¹	12 ± 2.0	9 ± 1.7	9 ± 0.6
333.0	14 ± 1.7		
666.0	10 ± 0.3	7 ± 2.3	17 ± 0.7
1000.0	15 ± 2.4	10 ± 2.3	14 ± 2.7
1666.0		12 ± 1.0	16 ± 3.5
3333.0	38 ± 5.6	19 ± 2.3	42 ± 1.9
6666.0	78 ± 7.2	19 ± 8.4	0 ± 0.0
Trial Summary	Positive	Weakly Positive	Equivocal
Positive Control ⁴	334 ± 23.2	243 ± 4.9	307 ± 43.6

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	19 ± 2.3	29 ± 1.8	20 ± 0.9	31 ± 3.2
3.0		27 ± 1.5		
10.0		22 ± 1.8		
33.0	27 ± 4.5	22 ± 3.0	20 ± 2.3	26 ± 2.9
100.0	29 ± 4.9	20 ± 3.0	26 ± 2.3	31 ± 3.8
333.0	30 ± 0.9	24 ± 4.8	20 ± 0.3	22 ± 2.4
1000.0	32 ± 2.3		22 ± 2.9	25 ± 3.2
3333.0	32 ± 5.2		19 ± 2.2	26 ± 0.0
Trial Summary	Equivocal	Negative	Negative	Negative
Positive Control ²			121 ± 7.4	486 ± 11.4
Positive Control ⁵	527 ± 18.6	476 ± 20.2		

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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 ****