

Experiment Number: 714291

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

G06: Ames Summary Data

Test Compound: **Trichlorofluoromethane**

CAS Number: **75-69-4**

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

Time Report Requested: **23:48:28**

NTP Study Number:

714291

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	107 ± 10.6	118 ± 8.4	149 ± 2.3	158 ± 4.3	128 ± 1.7
100.0	100 ± 9.2	95 ± 3.5	126 ± 6.7	156 ± 5.7	145 ± 4.9
333.0	87 ± 15.5	92 ± 7.0	124 ± 18.0	141 ± 4.8	125 ± 10.6
1000.0	55 ± 15.2	115 ± 20.5	111 ± 4.7	146 ± 12.0	135 ± 6.3
3333.0	76 ± 2.3	95 ± 13.1	113 ± 5.2	151 ± 15.6	123 ± 5.1
10000.0	88 ± 5.2	98 ± 7.8	152 ± 3.5	137 ± 6.6	134 ± 1.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1672 ± 100.6	2042 ± 35.3	2121 ± 58.8
Positive Control ³	949 ± 100.9	1318 ± 58.7			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	129 ± 11.3
100.0	119 ± 6.4
333.0	119 ± 2.8
1000.0	125 ± 6.1
3333.0	124 ± 7.1
10000.0	130 ± 14.2
Trial Summary	Negative
Positive Control ²	1934 ± 80.9
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	8 ± 0.6	13 ± 1.5	15 ± 0.9	15 ± 1.3	11 ± 0.3
100.0	5 ± 1.2	9 ± 2.0	5 ± 0.6	15 ± 3.1	9 ± 1.5
333.0	2 ± 0.0	9 ± 2.6	7 ± 0.9	Toxic	5 ± 1.2
1000.0	3 ± 1.5	12 ± 3.8	13 ± 0.6	26 ± 2.3	4 ± 1.8
3333.0	4 ± 1.2	15 ± 2.7	5 ± 2.3	23 ± 3.3	3 ± 1.2
10000.0	4 ± 1.0	7 ± 0.7	5 ± 0.7	13 ± 2.5	4 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			99 ± 8.3	162 ± 11.1	62 ± 3.7
Positive Control ³	283 ± 42.9	965 ± 79.3			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	18 ± 0.6
100.0	17 ± 2.6
333.0	12 ± 4.8
1000.0	20 ± 2.6
3333.0	19 ± 5.4
10000.0	1 ± 0.3
Trial Summary	Negative
Positive Control ⁴	202 ± 4.6
Positive Control ³	

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Test Compound: Trichlorofluoromethane

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	4 ± 1.2	14 ± 3.0	18 ± 0.9	20 ± 1.5	12 ± 1.2
100.0	2 ± 0.0	11 ± 0.6	10 ± 2.0	18 ± 0.5	5 ± 1.5
333.0	4 ± 0.7	15 ± 0.3	9 ± 1.5	19 ± 1.2	7 ± 2.3
1000.0	2 ± 1.0	12 ± 0.0	3 ± 0.6	19 ± 0.9	9 ± 2.2
3333.0	1 ± 0.3	11 ± 2.4	5 ± 0.7	17 ± 1.9	8 ± 2.0
10000.0	5 ± 1.5	10 ± 3.5	7 ± 0.9	18 ± 0.9	7 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			470 ± 32.7	243 ± 68.4	407 ± 37.4
Positive Control ⁵	291 ± 28.0	148 ± 43.1			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	27 ± 1.2
100.0	16 ± 2.0
333.0	19 ± 1.8
1000.0	17 ± 2.5
3333.0	20 ± 2.4
10000.0	14 ± 0.9
Trial Summary	Negative
Positive Control ⁴	233 ± 34.6
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	22 ± 1.2	21 ± 3.4	25 ± 2.6	28 ± 1.5	22 ± 2.7
100.0	19 ± 2.3	18 ± 2.0	15 ± 1.0	23 ± 0.3	15 ± 1.2
333.0	19 ± 0.3	19 ± 1.7	14 ± 1.8	19 ± 1.8	22 ± 1.8
1000.0	16 ± 2.5	16 ± 1.8	17 ± 0.9	22 ± 1.7	21 ± 3.5
3333.0	18 ± 2.2	16 ± 2.3	20 ± 2.1	20 ± 1.8	14 ± 1.7
10000.0	15 ± 2.6	17 ± 3.2	18 ± 4.5	21 ± 2.5	18 ± 3.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			803 ± 95.3	1350 ± 73.2	1652 ± 42.6
Positive Control ⁶	150 ± 14.7	111 ± 6.2			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	30 ± 1.8
100.0	14 ± 1.0
333.0	19 ± 0.9
1000.0	22 ± 0.9
3333.0	17 ± 1.2
10000.0	19 ± 0.3
Trial Summary	Negative
Positive Control ²	1641 ± 135.2
Positive Control ⁶	

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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: 3.3 ug/Plate Sodium Azide

4: 2.0 ug/Plate 2-Aminoanthracene

5: 33.0 ug/Plate 9-Aminoacridine

6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****