

Experiment Number: A12906

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

**G06: Ames Summary Data**

Test Compound: **Trichlorofluoromethane**

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

Date Report Requested: **09/15/2018**

Time Report Requested: **21:02:14**

**NTP Study Number:**

A12906

**Study Result:**

Negative

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## G06: Ames Summary Data

Test Compound: Trichlorofluoromethane

CAS Number: 75-69-4

Date Report Requested: 09/15/2018

Time Report Requested: 21:02:14

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	114 ± 6.6	112 ± 7.9	123 ± 6.6	113 ± 3.6	110 ± 3.5
100.0	120 ± 3.8	104 ± 7.8	122 ± 7.0	119 ± 9.4	124 ± 2.9
333.0	104 ± 3.7	111 ± 4.8	131 ± 7.0	125 ± 2.3	124 ± 8.4
1000.0	114 ± 6.1	120 ± 3.9	127 ± 4.0	120 ± 5.8	117 ± 5.9
3333.0	111 ± 7.3	116 ± 4.6	120 ± 6.2	118 ± 8.5	118 ± 6.4
10000.0	103 ± 5.5	120 ± 4.6	117 ± 5.0	111 ± 4.7	124 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					667 ± 22.1
Positive Control <sup>3</sup>			645 ± 8.3		
Positive Control <sup>4</sup>	844 ± 5.1	860 ± 28.5			
Positive Control <sup>5</sup>				612 ± 18.4	

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	106 ± 3.3
100.0	108 ± 2.6
333.0	127 ± 7.3
1000.0	106 ± 5.9
3333.0	117 ± 2.6
10000.0	108 ± 15.0
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	627 ± 10.6
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	

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## G06: Ames Summary Data

Test Compound: Trichlorofluoromethane

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## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	11 ± 1.5	11 ± 0.7	10 ± 1.9	10 ± 1.2	11 ± 2.0
100.0	13 ± 2.1	9 ± 0.3	10 ± 0.3	11 ± 1.7	14 ± 2.3
333.0	15 ± 0.6	7 ± 0.6	12 ± 1.2	13 ± 1.8	11 ± 2.0
1000.0	10 ± 0.7	8 ± 1.7	11 ± 1.8	15 ± 1.8	11 ± 1.0
3333.0	13 ± 3.3	12 ± 0.0	9 ± 1.8	11 ± 1.7	13 ± 2.8
10000.0	12 ± 0.9	10 ± 0.6	8 ± 1.2	10 ± 0.6	7 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					157 ± 11.1
Positive Control <sup>4</sup>	926 ± 12.6	928 ± 21.9			
Positive Control <sup>5</sup>			136 ± 19.9		
Positive Control <sup>6</sup>				116 ± 6.0	

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**G06: Ames Summary Data**

Test Compound: Trichlorofluoromethane

CAS Number: 75-69-4

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	14 ± 1.9
100.0	13 ± 1.8
333.0	15 ± 2.2
1000.0	12 ± 1.2
3333.0	14 ± 1.2
10000.0	12 ± 3.2
Trial Summary	Negative
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>5</sup>	134 ± 3.7
Positive Control <sup>6</sup>	

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## G06: Ames Summary Data

Test Compound: Trichlorofluoromethane

CAS Number: 75-69-4

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## Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	143 ± 7.9	170 ± 11.1	169 ± 20.3	178 ± 12.1	179 ± 10.9
100.0	134 ± 5.3	133 ± 7.6	162 ± 16.3	196 ± 1.3	167 ± 9.4
333.0	145 ± 11.6	149 ± 8.0	179 ± 15.9	191 ± 2.2	145 ± 8.8
1000.0	144 ± 7.0	150 ± 7.5	197 ± 12.1	178 ± 10.3	152 ± 12.5
3333.0	149 ± 13.7	160 ± 6.1	194 ± 8.3	160 ± 13.3	162 ± 12.5
10000.0	132 ± 7.2	163 ± 14.2	168 ± 9.7	172 ± 10.9	175 ± 7.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			635 ± 29.8		
Positive Control <sup>5</sup>				603 ± 15.4	661 ± 18.5
Positive Control <sup>7</sup>	523 ± 15.6	645 ± 7.4			

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Strain: TA97

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	160 ± 17.7
100.0	166 ± 13.9
333.0	152 ± 2.8
1000.0	158 ± 19.4
3333.0	176 ± 10.7
10000.0	134 ± 10.0
Trial Summary	Negative
Positive Control <sup>3</sup>	646 ± 15.4
Positive Control <sup>5</sup>	
Positive Control <sup>7</sup>	

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## G06: Ames Summary Data

Test Compound: Trichlorofluoromethane

CAS Number: 75-69-4

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## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	14 ± 1.9	15 ± 2.1	21 ± 3.2	18 ± 1.5	14 ± 3.1
100.0	18 ± 0.6	15 ± 3.7	20 ± 0.7	22 ± 3.3	16 ± 3.0
333.0	13 ± 0.6	16 ± 4.0	13 ± 1.2	25 ± 0.3	14 ± 0.9
1000.0	12 ± 0.7	11 ± 0.3	21 ± 1.5	18 ± 2.1	10 ± 0.9
3333.0	13 ± 2.4	18 ± 6.7	20 ± 2.6	18 ± 1.5	12 ± 1.5
10000.0	12 ± 1.8	13 ± 2.9	18 ± 3.9	16 ± 1.2	13 ± 2.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>					401 ± 13.3
Positive Control <sup>3</sup>			353 ± 15.7		
Positive Control <sup>8</sup>	443 ± 16.9	355 ± 16.7			
Positive Control <sup>5</sup>				395 ± 12.4	



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G06: Ames Summary Data  
Test Compound: Trichlorofluoromethane  
CAS Number: 75-69-4

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Strain: TA98

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Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	16 ± 1.5
100.0	18 ± 0.9
333.0	14 ± 1.3
1000.0	15 ± 1.8
3333.0	17 ± 1.5
10000.0	14 ± 2.1
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	470 ± 13.9
Positive Control <sup>8</sup>	
Positive Control <sup>5</sup>	

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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: 2.0 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 5.0 ug/Plate 2-Aminoanthracene

6: 10.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

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