

Experiment Number: 197686

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

G06: Ames Summary Data

Test Compound: **Chlorotrimethylsilane**

CAS Number: 75-77-4

Date Report Requested: **09/14/2018**

Time Report Requested: **08:17:15**

NTP Study Number:

197686

Study Result:

Negative

Experiment Number: 197686

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Chlorotrimethylsilane

CAS Number: 75-77-4

Date Report Requested: 09/14/2018

Time Report Requested: 08:17:15

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	107 ± 5.3	88 ± 1.9	110 ± 1.5	101 ± 8.2	95 ± 5.7
1.0			105 ± 4.4		
3.3			96 ± 8.8		
10.0			82 ± 4.1 ^s		
33.0			85 ± 2.6 ^s		
98.0		75 ± 3.8 ^s			
100.0	75 ± 6.6 ^s		83 ± 7.0 ^s	103 ± 5.8	94 ± 4.2
325.0		63 ± 3.6 ^s			
333.0	83 ± 11.7 ^s			90 ± 8.0 ^s	86 ± 3.3
975.0		67 ± 4.6 ^s			
1000.0	76 ± 5.0 ^s			91 ± 4.5 ^s	80 ± 9.1
3250.0		70 ± 3.1 ^s			
3333.0	76 ± 4.6 ^s			94 ± 8.4 ^s	88 ± 2.7
6500.0		53 ± 6.6 ^s			
6666.0	73 ± 2.9 ^s			100 ± 15.9 ^s	68 ± 10.4 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³	354 ± 9.1	296 ± 2.0	409 ± 1.2		
Positive Control ⁴				630 ± 18.2	
Positive Control ⁵					
Positive Control ⁶					563 ± 17.3

Experiment Number: 197686

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Chlorotrimethylsilane

CAS Number: 75-77-4

Date Report Requested: 09/14/2018

Time Report Requested: 08:17:15

Strain: TA100

Dose (ug/Plate)	With 30% Rat S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	91 ± 4.9	98 ± 1.2	102 ± 1.2	98 ± 5.9
1.0				
3.3				
10.0				
33.0				
98.0	93 ± 15.1			94 ± 4.7
100.0		93 ± 2.9 ^s	95 ± 3.5	
325.0	84 ± 5.5			104 ± 11.8
333.0		89 ± 4.6 ^s	106 ± 5.3	
975.0	75 ± 3.5 ^s			92 ± 4.7 ^s
1000.0		88 ± 2.2 ^s	90 ± 3.2	
3250.0	85 ± 5.4 ^s			82 ± 3.3 ^s
3333.0		81 ± 2.4 ^s	95 ± 10.4	
6500.0	74 ± 4.0 ^s			68 ± 4.9 ^s
6666.0		84 ± 9.0 ^s	93 ± 7.4 ^s	
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²		403 ± 34.8		
Positive Control ³				
Positive Control ⁴				
Positive Control ⁵			911 ± 14.4	212 ± 5.0
Positive Control ⁶	333 ± 77.7			

Experiment Number: 197686

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Chlorotrimethylsilane

CAS Number: 75-77-4

Date Report Requested: 09/14/2018

Time Report Requested: 08:17:15

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	28 ± 2.3	15 ± 4.8	21 ± 4.6	10 ± 1.2	8 ± 0.6
1.0			18 ± 2.4		
3.3			26 ± 7.2		
10.0			17 ± 3.6 ^S		
33.0			19 ± 2.9 ^S		
98.0		11 ± 2.1 ^S			
100.0	17 ± 1.8 ^S		17 ± 1.7 ^S	11 ± 2.4 ^S	10 ± 1.5
325.0		10 ± 2.8 ^S			
333.0	15 ± 2.1 ^S			8 ± 1.3 ^S	13 ± 2.6
975.0		10 ± 0.9 ^S			
1000.0	8 ± 0.9 ^S			9 ± 2.9 ^S	9 ± 2.3
3250.0		13 ± 2.4 ^S			
3333.0	12 ± 0.6 ^S			9 ± 1.0 ^S	12 ± 2.5
6500.0		10 ± 0.9 ^S			
6666.0	16 ± 1.7 ^S			18 ± 3.2 ^S	13 ± 1.0 ^S
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³	260 ± 5.9	170 ± 1.5	285 ± 15.9		
Positive Control ⁵					
Positive Control ⁶				159 ± 9.8	192 ± 15.5

Experiment Number: 197686

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Chlorotrimethylsilane

CAS Number: 75-77-4

Date Report Requested: 09/14/2018

Time Report Requested: 08:17:15

Strain: TA1535

Dose (ug/Plate)	With 30% Rat S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	12 ± 1.5	13 ± 1.5	13 ± 1.7	9 ± 1.5
1.0				
3.3				
10.0				
33.0				
98.0	11 ± 2.0			8 ± 0.9
100.0		9 ± 1.2	9 ± 1.7	
325.0	11 ± 1.9			10 ± 2.2
333.0		11 ± 0.7 ^s	11 ± 2.3	
975.0	8 ± 1.0 ^s			10 ± 1.5 ^s
1000.0		13 ± 1.2 ^s	9 ± 0.9	
3250.0	10 ± 1.7 ^s			8 ± 2.0 ^s
3333.0		12 ± 1.8 ^s	10 ± 1.2	
6500.0	9 ± 1.2 ^s			8 ± 1.0 ^s
6666.0		17 ± 0.6 ^s	11 ± 1.0 ^s	
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²		59 ± 0.7		
Positive Control ³				
Positive Control ⁵			103 ± 6.2	52 ± 4.3
Positive Control ⁶	140 ± 6.2			

Experiment Number: 197686

Test Type: Genetic Toxicology - Bacterial Mutagenicity

G06: Ames Summary Data

Test Compound: Chlorotrimethylsilane

CAS Number: 75-77-4

Date Report Requested: 09/14/2018

Time Report Requested: 08:17:15

Strain: TA1537

Dose (ug/Plate)	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	8 ± 0.7	7 ± 2.6
100.0	5 ± 1.2	9 ± 1.2
333.0	8 ± 1.7	7 ± 0.3
1000.0	9 ± 0.3	7 ± 0.9
3333.0	4 ± 0.6	9 ± 0.9
6666.0	5 ± 1.3 ^s	5 ± 0.9 ^s
Trial Summary	Negative	Negative
Positive Control ⁷	54 ± 3.0	118 ± 9.0
Positive Control ⁸		

Experiment Number: 197686

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Chlorotrimethylsilane

CAS Number: 75-77-4

Date Report Requested: 09/14/2018

Time Report Requested: 08:17:15

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	89 ± 6.2	74 ± 2.9	90 ± 2.5	114 ± 6.7	104 ± 7.5
1.0			94 ± 4.1		
3.3			99 ± 6.6		
10.0			79 ± 3.5 ^s		
33.0			70 ± 3.1 ^s		
98.0		61 ± 5.4 ^s			
100.0	76 ± 4.1 ^s		70 ± 8.5 ^s	108 ± 4.5 ^s	116 ± 10.7
325.0		59 ± 2.9 ^s			
333.0	67 ± 9.3 ^s			88 ± 1.2 ^s	121 ± 9.0
975.0		43 ± 3.1 ^s			
1000.0	68 ± 8.3 ^s			92 ± 8.0 ^s	163 ± 1.5
3250.0		32 ± 3.5 ^s			
3333.0	68 ± 3.1 ^s			86 ± 3.7 ^s	149 ± 12.8
6500.0		Toxic			
6666.0	57 ± 9.5 ^s			94 ± 4.1 ^s	156 ± 6.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control ⁴					
Positive Control ⁶				1198 ± 24.8	
Positive Control ⁷					573 ± 27.7
Positive Control ⁹	186 ± 12.2	158 ± 2.9	223 ± 6.2		

Experiment Number: 197686

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Chlorotrimethylsilane

CAS Number: 75-77-4

Date Report Requested: 09/14/2018

Time Report Requested: 08:17:15

Strain: TA97

Dose (ug/Plate)	With 30% Rat S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	113 ± 4.1	112 ± 9.0	211 ± 11.0	115 ± 3.2
1.0				
3.3				
10.0				
33.0				
98.0	102 ± 3.5			101 ± 3.8
100.0		120 ± 5.5 ^s	177 ± 1.3	
325.0	94 ± 5.2 ^s			104 ± 3.6 ^s
333.0		102 ± 8.8 ^s	177 ± 6.1	
975.0	80 ± 3.7 ^s			82 ± 2.2 ^s
1000.0		87 ± 2.2 ^s	133 ± 17.0	
3250.0	83 ± 0.9 ^s			91 ± 1.0 ^s
3333.0		94 ± 7.5 ^s	115 ± 4.1 ^s	
6500.0	66 ± 1.2 ^s			67 ± 2.3 ^s
6666.0		95 ± 9.8 ^s	112 ± 4.4 ^s	
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴		534 ± 9.6		
Positive Control ⁶				
Positive Control ⁷	432 ± 17.1		1105 ± 13.9	255 ± 6.9
Positive Control ⁹				

Experiment Number: 197686

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Chlorotrimethylsilane
CAS Number: 75-77-4

Date Report Requested: 09/14/2018

Time Report Requested: 08:17:15

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	17 ± 1.9	13 ± 2.1	21 ± 2.3	26 ± 2.8	28 ± 1.9
1.0			23 ± 2.4		
3.3			24 ± 5.4		
10.0			31 ± 10.5		
33.0			15 ± 2.3 ^s		
98.0		11 ± 2.1			
100.0	10 ± 2.7		17 ± 2.8 ^s	29 ± 4.2	30 ± 0.9
325.0		13 ± 3.6			
333.0	12 ± 2.0			19 ± 2.3	26 ± 3.5
975.0		14 ± 3.2			
1000.0	17 ± 2.8			26 ± 0.6	26 ± 4.1
3250.0		14 ± 0.6 ^s			
3333.0	17 ± 1.3			25 ± 4.0 ^s	24 ± 3.0
6500.0		9 ± 1.0 ^s			
6666.0	18 ± 2.1 ^s			14 ± 5.5 ^s	23 ± 2.5 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ¹⁰					
Positive Control ²				259 ± 3.2	
Positive Control ¹¹	211 ± 12.3	176 ± 0.9	198 ± 5.0		
Positive Control ⁵					164 ± 4.0

Experiment Number: 197686

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Chlorotrimethylsilane

CAS Number: 75-77-4

Date Report Requested: 09/14/2018

Time Report Requested: 08:17:15

Strain: TA98

Dose (ug/Plate)	With 30% Rat S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	24 ± 4.3	26 ± 4.6	32 ± 0.9	23 ± 1.2
1.0				
3.3				
10.0				
33.0				
98.0	23 ± 2.0			24 ± 2.7
100.0		25 ± 2.6	28 ± 6.8	
325.0	27 ± 2.7			26 ± 2.0
333.0		23 ± 2.2 ^s	30 ± 2.6	
975.0	22 ± 2.9			21 ± 2.8
1000.0		20 ± 1.8 ^s	33 ± 6.0	
3250.0	19 ± 2.5 ^s			23 ± 3.2 ^s
3333.0		24 ± 1.0 ^s	28 ± 1.5	
6500.0	14 ± 3.3 ^s			19 ± 2.2 ^s
6666.0		12 ± 1.5 ^s	32 ± 0.3 ^s	
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ¹⁰		87 ± 2.9		
Positive Control ²			75 ± 4.6	68 ± 7.0
Positive Control ¹¹				
Positive Control ⁵	72 ± 1.9			

Experiment Number: 197686

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

G06: Ames Summary Data

Test Compound: **Chlorotrimethylsilane**

CAS Number: **75-77-4**

Date Report Requested: **09/14/2018**

Time Report Requested: **08:17:15**

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: Acetone

2: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 2.5 ug/Plate 2-Aminoanthracene

8: 4.0 ug/Plate 9-Aminoacridine

9: 8.0 ug/Plate 9-Aminoacridine

10: 0.2 ug/Plate 2-Aminoanthracene

11: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****