

Experiment Number: 463405

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

G06: Ames Summary Data

Test Compound: **m-Chlorobenzotrifluoride**

CAS Number: **98-15-7**

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

Time Report Requested: **10:10:47**

NTP Study Number:

463405

Study Result:

Negative

Experiment Number: 463405

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: m-Chlorobenzotrifluoride
CAS Number: 98-15-7

Date Report Requested: 09/11/2018

Time Report Requested: 10:10:47

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	163 ± 6.6	126 ± 8.7	148 ± 10.7	77 ± 40.2	160 ± 6.1
3.0		130 ± 14.2			
10.0	149 ± 9.0	131 ± 3.8		141 ± 7.1	
33.0	146 ± 4.7	112 ± 2.3		111 ± 3.5	
100.0	145 ± 4.8	105 ± 5.8	160 ± 6.1	130 ± 5.9	166 ± 9.2
333.0	105 ± 7.3	88 ± 6.9 ^s	140 ± 9.6	91 ± 9.5	151 ± 13.3
666.0	29 ± 17.3 ^s				
1000.0			133 ± 3.8 ^s	115 ± 3.8 ^s	157 ± 6.5
3333.0			92 ± 25.4 ^s		152 ± 6.5
10000.0			69 ± 32.0 ^s		140 ± 1.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³			460 ± 5.0	433 ± 24.3	
Positive Control ⁴	441 ± 8.7	412 ± 20.5			
Positive Control ⁵					570 ± 25.8

Experiment Number: 463405

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: m-Chlorobenzotrifluoride

CAS Number: 98-15-7

Date Report Requested: 09/11/2018

Time Report Requested: 10:10:47

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	151 ± 4.0	123 ± 7.3	165 ± 11.0
3.0			
10.0		125 ± 7.9	
33.0		114 ± 5.9	
100.0	133 ± 9.3	135 ± 12.0	147 ± 19.1
333.0	109 ± 0.3	129 ± 1.7	161 ± 1.8
666.0			
1000.0	113 ± 12.7	95 ± 6.7	166 ± 3.2
3333.0	77 ± 11.3 ^s		175 ± 7.3
10000.0	23 ± 4.3 ^s		147 ± 15.2
Trial Summary	Negative	Negative	Negative
Positive Control ²	778 ± 32.0	797 ± 48.0	
Positive Control ³			720 ± 25.2
Positive Control ⁴			
Positive Control ⁵			

Experiment Number: 463405

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: m-Chlorobenzotrifluoride
CAS Number: 98-15-7

Date Report Requested: 09/11/2018

Time Report Requested: 10:10:47

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	29 ± 1.7	17 ± 1.8	15 ± 0.9	17 ± 1.9	13 ± 1.2
3.0		15 ± 1.3			
10.0	33 ± 4.0	16 ± 2.1			
33.0	29 ± 3.5	15 ± 0.7	14 ± 1.0		13 ± 3.0
100.0	22 ± 2.3	10 ± 1.9	14 ± 2.1	16 ± 0.6	12 ± 1.9
333.0	15 ± 1.5 ^s	2 ± 0.6 ^s	10 ± 2.5	15 ± 1.5	9 ± 2.3
666.0	10 ± 3.5 ^s				
1000.0			11 ± 3.0 ^s	12 ± 1.9	7 ± 0.9 ^s
1666.0			10 ± 2.6 ^s		6 ± 0.9 ^s
3333.0				10 ± 2.4 ^s	
10000.0				11 ± 1.8 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					236 ± 23.4
Positive Control ⁴	515 ± 8.7	285 ± 10.2			
Positive Control ⁵			154 ± 14.0		
Positive Control ⁶				175 ± 10.3	

Experiment Number: 463405

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: m-Chlorobenzotrifluoride
CAS Number: 98-15-7

Date Report Requested: 09/11/2018

Time Report Requested: 10:10:47

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	14 ± 1.5
3.0	
10.0	
33.0	
100.0	17 ± 1.7
333.0	11 ± 0.9
666.0	
1000.0	12 ± 1.9
1666.0	
3333.0	9 ± 2.5 ^s
10000.0	12 ± 1.5 ^s
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	505 ± 11.0
Positive Control ⁶	

Experiment Number: 463405

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

Test Compound: m-Chlorobenzotrifluoride

CAS Number: 98-15-7

Date Report Requested: 09/11/2018

Time Report Requested: 10:10:47

Strain: TA1537

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	11 ± 0.3	15 ± 1.5	12 ± 0.7
10.0	16 ± 0.6		
33.0	13 ± 0.9		
100.0	8 ± 1.2	16 ± 1.5	13 ± 0.3
333.0	8 ± 0.9	15 ± 2.6	14 ± 1.9
666.0	9 ± 0.3 ^s		
1000.0		13 ± 3.4	12 ± 2.1
3333.0		9 ± 2.3	11 ± 1.5
10000.0		8 ± 1.2	10 ± 1.5 ^s
Trial Summary	Negative	Negative	Negative
Positive Control ³			56 ± 5.5
Positive Control ⁵		49 ± 0.7	
Positive Control ⁷	691 ± 38.8		

Experiment Number: 463405

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: m-Chlorobenzotrifluoride
CAS Number: 98-15-7

Date Report Requested: 09/11/2018

Time Report Requested: 10:10:47

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	186 ± 6.7	178 ± 5.3	182 ± 10.3	192 ± 14.6	178 ± 11.4
3.0		196 ± 1.0			
10.0	169 ± 15.1	190 ± 3.3			
33.0	195 ± 2.3	185 ± 6.0	174 ± 21.2		199 ± 8.8
100.0	195 ± 8.7	165 ± 8.4	174 ± 13.3	197 ± 10.3	189 ± 7.0
333.0	145 ± 25.1 ^s	94 ± 10.2 ^s	195 ± 6.2	199 ± 11.6	181 ± 4.6
666.0	91 ± 6.4 ^s				
1000.0			167 ± 1.7	184 ± 23.7	148 ± 6.4
1666.0			152 ± 6.7 ^s		144 ± 16.9
3333.0				164 ± 6.9	
10000.0				167 ± 16.5 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					623 ± 31.5
Positive Control ³			389 ± 15.7		
Positive Control ⁵				431 ± 29.9	
Positive Control ⁷	754 ± 19.8	407 ± 16.6			

Experiment Number: 463405

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: m-Chlorobenzotrifluoride
CAS Number: 98-15-7

Date Report Requested: 09/11/2018

Time Report Requested: 10:10:47

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	185 ± 5.5
3.0	
10.0	
33.0	
100.0	199 ± 8.5
333.0	157 ± 4.6
666.0	
1000.0	165 ± 11.2
1666.0	
3333.0	121 ± 9.9 ^s
10000.0	64 ± 33.5 ^s
Trial Summary	Negative
Positive Control ²	
Positive Control ³	449 ± 32.1
Positive Control ⁵	
Positive Control ⁷	

Experiment Number: 463405

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: m-Chlorobenzotrifluoride
CAS Number: 98-15-7

Date Report Requested: 09/11/2018

Time Report Requested: 10:10:47

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	16 ± 0.7	21 ± 4.1	41 ± 3.8	37 ± 4.7	44 ± 8.3
3.0		24 ± 2.3			
10.0	14 ± 0.7	25 ± 3.3		29 ± 1.2	
33.0	17 ± 1.5	25 ± 1.5		31 ± 1.0	
100.0	18 ± 3.6	18 ± 1.9 ^s	36 ± 6.4	28 ± 1.2	39 ± 3.5
333.0	14 ± 2.0	18 ± 3.7 ^s	39 ± 1.3	23 ± 2.7	32 ± 5.4
666.0	0 ± 0.0 ^s				
1000.0			19 ± 3.4 ^s	17 ± 4.8 ^s	28 ± 2.6
3333.0			6 ± 0.9 ^s		26 ± 1.2
10000.0			7 ± 1.0 ^s		25 ± 5.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³			301 ± 45.2	365 ± 9.2	143 ± 2.8
Positive Control ⁸	468 ± 16.5	475 ± 46.1			

Experiment Number: 463405

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: m-Chlorobenzotrifluoride

CAS Number: 98-15-7

Date Report Requested: 09/11/2018

Time Report Requested: 10:10:47

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	38 ± 0.9	22 ± 3.2	22 ± 1.7
3.0			
10.0		22 ± 2.8	
33.0		17 ± 3.6	
100.0	41 ± 2.4	14 ± 1.0	19 ± 0.9
333.0	33 ± 5.7	22 ± 2.8	19 ± 2.4
666.0			
1000.0	23 ± 0.6 ^s	16 ± 0.7	24 ± 2.1
3333.0	4 ± 1.5 ^s		20 ± 2.0
10000.0	12 ± 2.1 ^s		29 ± 3.7
Trial Summary	Negative	Negative	Negative
Positive Control ²	732 ± 34.9	789 ± 27.5	
Positive Control ³			393 ± 30.2
Positive Control ⁸			

Experiment Number: 463405

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: m-Chlorobenzotrifluoride

CAS Number: 98-15-7

Date Report Requested: 09/11/2018

Time Report Requested: 10:10:47

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: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 5.0 ug/Plate 2-Aminoanthracene

7: 50.0 ug/Plate 9-Aminoacridine

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

s: Slight Toxicity

**** END OF REPORT ****