

Experiment Number: **A34199**

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

G06: Ames Summary Data

Test Compound: **Methylene chloride**

CAS Number: **75-09-2**

Date Report Requested: **09/16/2018**

Time Report Requested: **17:57:30**

NTP Study Number:

A34199

Study Result:

Positive

Experiment Number: A34199

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Methylene chloride
CAS Number: 75-09-2

Date Report Requested: 09/16/2018

Time Report Requested: 17:57:30

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹		133 ± 7.2	128 ± 11.0		150 ± 2.3
Vehicle Control ²	148 ± 5.8			169 ± 3.3	
0.25			726 ± 58.7		
0.5		622 ± 141.5	1265 ± 117.7		785 ± 57.1
0.75			1472 ± 116.4		
1.0		1279 ± 189.3	1649 ± 73.3		1282 ± 25.9
1.25			1666 ± 74.2		
2.0		1695 ± 55.1			1964 ± 42.4
2.5		872 ± 31.5			974 ± 30.3
666.0	471 ± 10.7			576 ± 17.5	
1000.0	604 ± 26.0			702 ± 29.0	
3333.0	948 ± 17.5			659 ± 30.0	
6666.0	Toxic			Toxic	
10000.0	Toxic			Toxic	
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ³					
Positive Control ⁴	675 ± 14.1				
Positive Control ⁵		1147 ± 124.3	1202 ± 107.0		1387 ± 62.6
Positive Control ⁶				643 ± 21.0	

Experiment Number: A34199

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Methylene chloride

CAS Number: 75-09-2

Date Report Requested: 09/16/2018

Time Report Requested: 17:57:30

Strain: TA100

Dose (ug/Plate)	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	154 ± 5.0		137 ± 5.8	151 ± 16.5
Vehicle Control ²		143 ± 2.9		
0.25	896 ± 23.2			931 ± 61.3
0.5	1593 ± 9.1		900 ± 185.8	1662 ± 33.8
0.75	1646 ± 47.8			1742 ± 35.9
1.0	1839 ± 9.9		1392 ± 103.9	1821 ± 32.3
1.25	1768 ± 33.0			1843 ± 47.5
2.0			1994 ± 33.8	
2.5			1237 ± 38.7	
666.0		544 ± 27.4		
1000.0		699 ± 3.8		
3333.0		629 ± 10.8		
6666.0		Toxic		
10000.0		Toxic		
Trial Summary	Positive	Positive	Positive	Positive
Positive Control ³		938 ± 17.4		
Positive Control ⁴				
Positive Control ⁵	1679 ± 20.6		1570 ± 218.4	1716 ± 45.7
Positive Control ⁶				

Experiment Number: A34199

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Methylene chloride
CAS Number: 75-09-2

Date Report Requested: 09/16/2018

Time Report Requested: 17:57:30

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ²	23 ± 5.0			34 ± 7.0	
Vehicle Control ¹		18 ± 3.2	21 ± 2.9		22 ± 3.1
0.25			898 ± 97.3		
0.5		945 ± 55.7	1609 ± 77.1		1146 ± 116.4
0.75			1548 ± 241.1		
1.0		1686 ± 69.1	1661 ± 55.9		1236 ± 288.5
1.25			1801 ± 46.5		
2.0		1309 ± 29.8			1579 ± 146.0
2.5		1127 ± 32.7			1107 ± 20.5
666.0	453 ± 13.0			381 ± 6.3	
1000.0	689 ± 15.0			427 ± 6.7	
3333.0	1279 ± 68.8			421 ± 29.1	
6666.0	Toxic			Toxic	
10000.0	Toxic			Toxic	
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ³				188 ± 10.3	
Positive Control ⁷	232 ± 9.3				
Positive Control ⁵		1945 ± 59.8	1292 ± 51.4		2087 ± 70.5

Experiment Number: A34199

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Methylene chloride

CAS Number: 75-09-2

Date Report Requested: 09/16/2018

Time Report Requested: 17:57:30

Strain: TA98

Dose (ug/Plate)	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ²		37 ± 2.0		
Vehicle Control ¹	32 ± 3.3		24 ± 5.2	30 ± 4.1
0.25	869 ± 65.0			917 ± 88.1
0.5	1556 ± 145.8		1166 ± 74.6	1623 ± 81.0
0.75	1902 ± 164.0			1879 ± 40.3
1.0	1774 ± 69.6		1879 ± 47.0	2116 ± 24.4
1.25	1978 ± 73.5			2117 ± 26.5
2.0			2086 ± 27.4	
2.5			1082 ± 59.5	
666.0		391 ± 18.5		
1000.0		500 ± 13.0		
3333.0		508 ± 20.1		
6666.0		Toxic		
10000.0		Toxic		
Trial Summary	Positive	Positive	Positive	Positive
Positive Control ³		715 ± 20.7		
Positive Control ⁷				
Positive Control ⁵	1572 ± 135.7		1667 ± 20.8	1647 ± 95.0

Experiment Number: A34199
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Methylene chloride
CAS Number: 75-09-2

Date Report Requested: 09/16/2018
Time Report Requested: 17:57:30

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: 4-Nitro-o-Phenylenediamine
- 2: Vehicle Control: Dimethyl Sulfoxide
- 3: 1.0 ug/Plate 2-Aminoanthracene
- 4: 1.0 ug/Plate Sodium Azide
- 5: 1.154 mL/Chamber Dichloromethane
- 6: 2.0 ug/Plate 2-Aminoanthracene
- 7: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **