

Experiment Number: **A68248**

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

G06: Ames Summary Data

Test Compound: **Bromodichloromethane**

CAS Number: **75-27-4**

Date Report Requested: **09/17/2018**

Time Report Requested: **14:26:49**

NTP Study Number:

A68248

Study Result:

Negative

Experiment Number: A68248

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Bromodichloromethane

CAS Number: 75-27-4

Date Report Requested: 09/17/2018

Time Report Requested: 14:26:49

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	Without S9	With 10% Rat S9
Vehicle Control ¹			125 ± 5.5	137 ± 9.8	
Vehicle Control ²	123 ± 5.5	116 ± 6.2			128 ± 4.9
0.025			153 ± 22.5	143 ± 8.6	
0.05			168 ± 10.3	147 ± 9.2	
0.1			147 ± 14.6	134 ± 11.4	
0.25			191 ± 7.8	132 ± 4.3	
0.5			55 ± 18.7 ^s	84 ± 4.0 ^s	
100.0	115 ± 5.0	125 ± 3.0			130 ± 4.6
333.0	131 ± 5.8	125 ± 5.5			123 ± 3.3
1000.0	122 ± 3.0	131 ± 2.7			146 ± 16.3
3333.0	134 ± 5.7	115 ± 3.3			143 ± 7.9
10000.0	89 ± 9.3 ^s	89 ± 5.7 ^s			47 ± 8.7 ^s
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control ³					
Positive Control ⁴					
Positive Control ⁵					635 ± 24.8
Positive Control ⁶					
Positive Control ⁷	900 ± 12.3	844 ± 5.1			
Positive Control ⁸					
Positive Control ⁹			772 ± 23.8	819 ± 32.9	
Positive Control ¹⁰					

Experiment Number: A68248

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Date Report Requested: 09/17/2018

Test Type: Genetic Toxicology - Bacterial
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Test Compound: Bromodichloromethane

Time Report Requested: 14:26:49

CAS Number: 75-27-4

Strain: TA100

Dose (ug/Plate)	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	136 ± 7.5		141 ± 9.3		139 ± 6.7
Vehicle Control ²		121 ± 9.3		125 ± 6.4	
0.025	122 ± 7.8		130 ± 11.4		140 ± 3.3
0.05	117 ± 2.2		175 ± 10.5		138 ± 9.5
0.1	120 ± 7.8		135 ± 0.6		151 ± 10.2
0.25	122 ± 5.9		122 ± 15.0		132 ± 7.1
0.5	65 ± 12.7 ^s		15 ± 2.1 ^s		70 ± 24.7 ^s
100.0		125 ± 3.5		127 ± 12.4	
333.0		117 ± 5.8		124 ± 3.5	
1000.0		126 ± 4.9		119 ± 0.9	
3333.0		132 ± 10.8		114 ± 2.3	
10000.0		68 ± 8.8 ^s		79 ± 5.8 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					674 ± 20.3
Positive Control ⁴				695 ± 18.5	
Positive Control ⁵					
Positive Control ⁶	653 ± 24.7				
Positive Control ⁷					
Positive Control ⁸		624 ± 15.4			
Positive Control ⁹					
Positive Control ¹⁰			487 ± 16.7		

Experiment Number: A68248
Test Type: Genetic Toxicology - Bacterial
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G06: Ames Summary Data
Test Compound: Bromodichloromethane
CAS Number: 75-27-4

Date Report Requested: 09/17/2018
Time Report Requested: 14:26:49

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹		141 ± 2.5
Vehicle Control ²	117 ± 7.1	
0.025		111 ± 6.1
0.05		140 ± 4.4
0.1		115 ± 5.9
0.25		111 ± 2.1
0.5		32 ± 22.8 ^s
100.0	128 ± 5.8	
333.0	118 ± 4.3	
1000.0	120 ± 12.2	
3333.0	123 ± 8.5	
10000.0	84 ± 9.8 ^s	
Trial Summary	Negative	Negative
Positive Control ³		
Positive Control ⁴		
Positive Control ⁵	664 ± 21.1	
Positive Control ⁶		571 ± 28.3
Positive Control ⁷		
Positive Control ⁸		
Positive Control ⁹		
Positive Control ¹⁰		

Experiment Number: A68248

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

Test Compound: Bromodichloromethane

CAS Number: 75-27-4

Date Report Requested: 09/17/2018

Time Report Requested: 14:26:49

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9	Without S9	With 10% Rat S9
Vehicle Control ¹			11 ± 1.8	14 ± 3.2	
Vehicle Control ²	11 ± 1.5	9 ± 1.5			10 ± 1.2
0.025			15 ± 0.6	11 ± 0.9	
0.05			20 ± 4.5	13 ± 1.0	
0.1			25 ± 1.5	13 ± 1.5	
0.25			22 ± 0.7	14 ± 2.8	
0.5			5 ± 0.9 ^s	7 ± 1.0 ^s	
100.0	11 ± 0.3	10 ± 0.9			10 ± 1.3
333.0	10 ± 2.0	11 ± 0.7			9 ± 1.5
1000.0	8 ± 0.6	13 ± 1.2			8 ± 0.6
3333.0	13 ± 1.7	12 ± 3.3			9 ± 2.3
10000.0	6 ± 0.9 ^s	7 ± 0.7 ^s			5 ± 0.7 ^s
Trial Summary	Negative	Negative	Weakly Positive	Negative	Negative
Positive Control ⁶					
Positive Control ⁵					
Positive Control ¹⁰					
Positive Control ⁹			837 ± 28.7	883 ± 24.8	
Positive Control ⁸					130 ± 15.1
Positive Control ⁷	938 ± 15.5	940 ± 16.2			
Positive Control ¹¹					
Positive Control ¹²					

Experiment Number: A68248

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G06: Ames Summary Data

Test Compound: Bromodichloromethane
CAS Number: 75-27-4

Date Report Requested: 09/17/2018

Time Report Requested: 14:26:49

Strain: TA1535

Dose (ug/Plate)	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	19 ± 5.6		14 ± 1.7		14 ± 3.5
Vehicle Control ²		12 ± 2.3		10 ± 1.2	
0.025	20 ± 0.7		18 ± 3.5		20 ± 0.7
0.05	17 ± 3.3		23 ± 2.9		14 ± 0.3
0.1	15 ± 2.0		21 ± 2.0		12 ± 0.7
0.25	16 ± 2.9		18 ± 2.2		10 ± 1.3
0.5	7 ± 1.0 ^s		6 ± 0.0 ^s		5 ± 0.6 ^s
100.0		12 ± 2.1		8 ± 1.3	
333.0		9 ± 1.8		11 ± 3.2	
1000.0		14 ± 0.7		9 ± 0.7	
3333.0		17 ± 3.8		7 ± 0.0	
10000.0		9 ± 1.2 ^s		4 ± 0.9 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁶					84 ± 9.8
Positive Control ⁵				126 ± 14.0	
Positive Control ¹⁰	79 ± 7.3				
Positive Control ⁹					
Positive Control ⁸					
Positive Control ⁷					
Positive Control ¹¹			76 ± 6.4		
Positive Control ¹²		115 ± 6.9			

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Test Compound: Bromodichloromethane
CAS Number: 75-27-4

Date Report Requested: 09/17/2018
Time Report Requested: 14:26:49

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹		16 ± 2.1
Vehicle Control ²	10 ± 1.5	
0.025		17 ± 2.8
0.05		18 ± 0.9
0.1		22 ± 4.1
0.25		13 ± 2.7
0.5		6 ± 1.8 ^s
100.0	10 ± 2.0	
333.0	9 ± 2.7	
1000.0	12 ± 2.1	
3333.0	10 ± 1.5	
10000.0	7 ± 0.9 ^s	
Trial Summary	Negative	Negative
Positive Control ⁶		
Positive Control ⁵		
Positive Control ¹⁰		95 ± 4.5
Positive Control ⁹		
Positive Control ⁸	141 ± 5.0	
Positive Control ⁷		
Positive Control ¹¹		
Positive Control ¹²		

Experiment Number: A68248

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Test Compound: Bromodichloromethane

CAS Number: 75-27-4

Date Report Requested: 09/17/2018

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	Without S9	Without S9	With 10% Rat S9
Vehicle Control ¹			144 ± 9.2	157 ± 5.8	
Vehicle Control ²	142 ± 7.4	122 ± 7.9			178 ± 5.4
0.025			156 ± 7.2	152 ± 3.3	
0.05			195 ± 14.5	166 ± 14.3	
0.1			162 ± 1.7	160 ± 7.9	
0.25			125 ± 19.0	169 ± 13.4	
0.5			73 ± 14.6 ^s	82 ± 15.0 ^s	
100.0	132 ± 3.0	123 ± 7.9			191 ± 17.8
333.0	151 ± 7.3	131 ± 11.2			190 ± 4.8
1000.0	135 ± 2.3	119 ± 5.7			156 ± 35.2
3333.0	137 ± 6.6	127 ± 6.3			146 ± 24.3
10000.0	65 ± 6.2 ^s	95 ± 8.6 ^s			77 ± 11.0 ^s
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control ³					
Positive Control ⁴					
Positive Control ⁵					653 ± 15.0
Positive Control ⁶					
Positive Control ⁸					
Positive Control ¹⁰					
Positive Control ¹³	572 ± 16.9	640 ± 21.1			
Positive Control ¹⁴			541 ± 36.9	571 ± 13.0	

Experiment Number: A68248

G06: Ames Summary Data

Date Report Requested: 09/17/2018

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: Bromodichloromethane

Time Report Requested: 14:26:49

CAS Number: 75-27-4

Strain: TA97

Dose (ug/Plate)	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	185 ± 5.5		203 ± 11.9		179 ± 17.9
Vehicle Control ²		201 ± 10.7		170 ± 7.9	
0.025	172 ± 18.6		167 ± 30.7		179 ± 6.0
0.05	163 ± 8.6		192 ± 15.6		193 ± 3.3
0.1	167 ± 8.8		209 ± 4.4		174 ± 25.3
0.25	195 ± 7.7		183 ± 3.4		188 ± 1.9
0.5	71 ± 29.4 ^s		71 ± 3.5 ^s		65 ± 11.3 ^s
100.0		158 ± 14.5		172 ± 12.2	
333.0		184 ± 17.6		156 ± 5.2	
1000.0		186 ± 15.6		142 ± 3.0	
3333.0		191 ± 3.1		163 ± 2.6	
10000.0		59 ± 5.7 ^s		83 ± 10.7 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					688 ± 20.3
Positive Control ⁴				710 ± 8.9	
Positive Control ⁵					
Positive Control ⁶	640 ± 17.9				
Positive Control ⁸		650 ± 23.7			
Positive Control ¹⁰			639 ± 18.3		
Positive Control ¹³					
Positive Control ¹⁴					

Experiment Number: A68248

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Bromodichloromethane

CAS Number: 75-27-4

Date Report Requested: 09/17/2018

Time Report Requested: 14:26:49

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹		153 ± 4.7
Vehicle Control ²	175 ± 9.0	
0.025		149 ± 5.2
0.05		188 ± 9.7
0.1		177 ± 13.1
0.25		163 ± 9.7
0.5		55 ± 9.5 ^s
100.0	149 ± 5.8	
333.0	174 ± 13.3	
1000.0	167 ± 11.3	
3333.0	161 ± 14.2	
10000.0	99 ± 14.7 ^s	
Trial Summary	Negative	Negative
Positive Control ³		
Positive Control ⁴		
Positive Control ⁵	660 ± 6.7	
Positive Control ⁶		681 ± 22.0
Positive Control ⁸		
Positive Control ¹⁰		
Positive Control ¹³		
Positive Control ¹⁴		

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Test Compound: Bromodichloromethane

CAS Number: 75-27-4

Date Report Requested: 09/17/2018

Time Report Requested: 14:26:49

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	Without S9	With 10% Rat S9
Vehicle Control ¹			16 ± 3.2	20 ± 2.2	
Vehicle Control ²	11 ± 1.8	20 ± 1.7			19 ± 4.0
0.025			25 ± 2.2	16 ± 2.9	
0.05			35 ± 2.4	16 ± 1.2	
0.1			26 ± 5.5	19 ± 3.2	
0.25			22 ± 0.9	15 ± 2.8	
0.5			10 ± 5.5 ^s	9 ± 0.0 ^s	
100.0	9 ± 1.9	27 ± 3.1			19 ± 0.3
333.0	9 ± 0.6	26 ± 1.2			18 ± 4.2
1000.0	13 ± 1.5	22 ± 1.0			25 ± 5.5
3333.0	13 ± 2.4	26 ± 3.3			25 ± 3.5
10000.0	5 ± 0.6 ^s	11 ± 1.9 ^s			10 ± 0.9 ^s
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control ³					
Positive Control ⁴					
Positive Control ⁶					
Positive Control ⁵					466 ± 15.8
Positive Control ¹⁵	380 ± 8.3	443 ± 16.9			
Positive Control ¹⁶			453 ± 24.7	424 ± 10.5	
Positive Control ⁸					
Positive Control ¹⁰					

Experiment Number: A68248

G06: Ames Summary Data

Date Report Requested: 09/17/2018

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: Bromodichloromethane

Time Report Requested: 14:26:49

CAS Number: 75-27-4

Strain: TA98

Dose (ug/Plate)	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	22 ± 3.5		24 ± 2.0		22 ± 4.7
Vehicle Control ²		12 ± 2.9		22 ± 1.8	
0.025	20 ± 0.7		31 ± 5.7		22 ± 3.2
0.05	16 ± 1.7		45 ± 2.6		22 ± 1.2
0.1	20 ± 3.5		27 ± 5.7		33 ± 11.0
0.25	17 ± 3.5		40 ± 3.6		19 ± 3.7
0.5	6 ± 1.5 ^s		16 ± 2.8 ^s		7 ± 2.0 ^s
100.0		9 ± 0.7		21 ± 2.0	
333.0		13 ± 2.3		23 ± 4.2	
1000.0		14 ± 2.9		28 ± 11.0	
3333.0		15 ± 1.5		26 ± 2.4	
10000.0		5 ± 0.3 ^s		9 ± 0.3 ^s	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					639 ± 16.8
Positive Control ⁴				534 ± 11.4	
Positive Control ⁶	565 ± 21.8				
Positive Control ⁵					
Positive Control ¹⁵					
Positive Control ¹⁶					
Positive Control ⁸		431 ± 7.8			
Positive Control ¹⁰			372 ± 15.0		

Experiment Number: A68248

Test Type: Genetic Toxicology - Bacterial
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Test Compound: Bromodichloromethane
CAS Number: 75-27-4

Date Report Requested: 09/17/2018

Time Report Requested: 14:26:49

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	19 ± 2.7
Vehicle Control ²	
0.025	28 ± 2.1
0.05	37 ± 1.2
0.1	19 ± 3.5
0.25	20 ± 4.5
0.5	7 ± 1.2 ^s
100.0	
333.0	
1000.0	
3333.0	
10000.0	
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁶	384 ± 16.1
Positive Control ⁵	
Positive Control ¹⁵	
Positive Control ¹⁶	
Positive Control ⁸	
Positive Control ¹⁰	

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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: 4-Nitro-o-Phenylenediamine
 - 2: Vehicle Control: Dimethyl Sulfoxide
 - 3: 1.0 mL/Chamber 2-Aminoanthracene
 - 4: 1.0 ug/Plate 2-Aminoanthracene
 - 5: 2.0 ug/Plate 2-Aminoanthracene
 - 6: 2.0 mL/Chamber 2-Aminoanthracene
 - 7: 5.0 ug/Plate Sodium Azide
 - 8: 5.0 ug/Plate 2-Aminoanthracene
 - 9: 5.0 mL/Chamber Sodium Azide
 - 10: 5.0 mL/Chamber 2-Aminoanthracene
 - 11: 10.0 mL/Chamber 2-Aminoanthracene
 - 12: 10.0 ug/Plate 2-Aminoanthracene
 - 13: 50.0 ug/Plate 9-Aminoacridine
 - 14: 50.0 mL/Chamber 9-Aminoacridine
 - 15: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
 - 16: 2.5 mL/Chamber 4-Nitro-O-Phenylenediamine
- s: Slight Toxicity

** END OF REPORT **