

Experiment Number: 098967

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexachloro-1,3-butadiene

CAS Number: 87-68-3

Date Report Requested: 09/11/2018

Time Report Requested: 13:11:52

NTP Study Number:

098967

Study Result:

Negative

Experiment Number: 098967

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexachloro-1,3-butadiene
CAS Number: 87-68-3

Date Report Requested: 09/11/2018

Time Report Requested: 13:11:52

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	86 ± 2.8	110 ± 10.4	162 ± 13.0	128 ± 8.4	140 ± 18.3
0.3	103 ± 7.6	111 ± 1.0			
1.0	99 ± 4.2	97 ± 3.5			
3.0	94 ± 7.3	98 ± 5.5			
10.0	75 ± 1.8	82 ± 4.6			
16.0		65 ± 6.4 ^s			
33.0	39 ± 7.5 ^s				
100.0			140 ± 7.3	154 ± 11.4	132 ± 3.1
333.0			145 ± 9.3	144 ± 4.5	130 ± 10.3
1000.0			123 ± 13.9	156 ± 10.1	95 ± 6.1
1666.0					
3333.0			113 ± 14.4	148 ± 3.8	107 ± 11.7
6666.0					
10000.0			42 ± 10.0 ^s	133 ± 4.4	91 ± 3.1 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					634 ± 11.1
Positive Control ³			412 ± 8.9		
Positive Control ⁴	430 ± 15.3	383 ± 13.2			
Positive Control ⁵				1116 ± 12.3	

Experiment Number: 098967

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexachloro-1,3-butadiene
CAS Number: 87-68-3

Date Report Requested: 09/11/2018

Time Report Requested: 13:11:52

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	111 ± 12.7	135 ± 3.6	179 ± 3.8
0.3			
1.0			
3.0			
10.0			171 ± 6.2
16.0			
33.0			184 ± 6.1
100.0	90 ± 6.1	124 ± 8.1	160 ± 7.1
333.0	138 ± 10.4	137 ± 14.3	157 ± 8.5
1000.0	136 ± 8.7	122 ± 14.5	156 ± 9.5
1666.0			130 ± 11.2 ^s
3333.0	152 ± 10.9	16 ± 8.5	
6666.0		44 ± 11.0 ^s	
10000.0	157 ± 8.9	0 ± 0.0 ^s	
Trial Summary	Equivocal	Negative	Negative
Positive Control ²			
Positive Control ³	1187 ± 61.5	709 ± 43.7	894 ± 24.1
Positive Control ⁴			
Positive Control ⁵			

Experiment Number: 098967

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexachloro-1,3-butadiene
CAS Number: 87-68-3

Date Report Requested: 09/11/2018

Time Report Requested: 13:11:52

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	21 ± 3.4	28 ± 1.8	12 ± 1.0	14 ± 1.8	12 ± 3.0
0.3	17 ± 1.2	21 ± 2.6			
1.0	14 ± 0.3	19 ± 1.2			
3.0	18 ± 3.2	22 ± 1.2			
10.0	12 ± 1.2	20 ± 1.5			
16.0	12 ± 2.0	11 ± 1.2			
100.0			9 ± 1.2	13 ± 2.3	7 ± 1.2
333.0			12 ± 2.4	16 ± 2.0	8 ± 0.3
1000.0			12 ± 2.6	14 ± 2.3	8 ± 1.2
3333.0			7 ± 1.0	14 ± 1.7	9 ± 0.9
10000.0			6 ± 2.1 ^s	12 ± 2.2	5 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					169 ± 13.7
Positive Control ⁴	286 ± 6.6	276 ± 10.4			
Positive Control ⁵			111 ± 8.7		
Positive Control ⁶				86 ± 3.8	

Experiment Number: 098967

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexachloro-1,3-butadiene
CAS Number: 87-68-3

Date Report Requested: 09/11/2018

Time Report Requested: 13:11:52

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	11 ± 0.6
0.3	
1.0	
3.0	
10.0	
16.0	
100.0	9 ± 0.7
333.0	11 ± 0.6
1000.0	11 ± 0.9
3333.0	11 ± 0.7
10000.0	5 ± 0.9
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	392 ± 59.3
Positive Control ⁶	

Experiment Number: 098967

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexachloro-1,3-butadiene

CAS Number: 87-68-3

Date Report Requested: 09/11/2018

Time Report Requested: 13:11:52

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	161 ± 11.7	124 ± 0.9	142 ± 8.7	206 ± 16.8	166 ± 4.3
0.3	198 ± 12.7	132 ± 8.5			
1.0	194 ± 16.6	124 ± 6.1			
3.0	191 ± 6.9	146 ± 3.7			
10.0	174 ± 2.2	144 ± 1.2			
16.0	149 ± 6.0	150 ± 0.3			
100.0			182 ± 5.2	223 ± 2.6	173 ± 2.0
333.0			132 ± 11.2	206 ± 5.9	169 ± 4.8
1000.0			117 ± 3.0	192 ± 12.0	156 ± 8.9
3333.0			124 ± 8.7	206 ± 10.8	132 ± 7.5
10000.0			106 ± 11.4	219 ± 8.5	128 ± 6.7
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control ²					411 ± 13.1
Positive Control ³			322 ± 0.9		
Positive Control ⁵				455 ± 13.9	
Positive Control ⁷	545 ± 18.2	535 ± 10.3			

Experiment Number: 098967

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexachloro-1,3-butadiene
CAS Number: 87-68-3

Date Report Requested: 09/11/2018

Time Report Requested: 13:11:52

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	191 ± 17.1
0.3	
1.0	
3.0	
10.0	
16.0	
100.0	206 ± 9.2
333.0	229 ± 2.6
1000.0	200 ± 10.8
3333.0	195 ± 13.3
10000.0	163 ± 10.4
Trial Summary	Negative
Positive Control ²	
Positive Control ³	452 ± 37.0
Positive Control ⁵	
Positive Control ⁷	

Experiment Number: 098967

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexachloro-1,3-butadiene
CAS Number: 87-68-3

Date Report Requested: 09/11/2018

Time Report Requested: 13:11:52

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	18 ± 2.1	17 ± 2.6	28 ± 0.9	23 ± 3.2	32 ± 2.8
0.3	15 ± 0.6	16 ± 2.0			
1.0	16 ± 0.7	14 ± 1.5			
3.0	15 ± 0.6	12 ± 1.8			
10.0	18 ± 3.2	13 ± 1.3			
16.0		17 ± 1.2			
33.0	17 ± 3.3 ^s				
100.0			29 ± 4.0	34 ± 3.4	30 ± 1.2
333.0			28 ± 4.7	30 ± 2.8	27 ± 1.3
1000.0			18 ± 0.6	24 ± 4.6	25 ± 3.4
3333.0			20 ± 2.1	20 ± 0.3	23 ± 4.3
10000.0			12 ± 1.5 ^s	14 ± 2.7	20 ± 3.0 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					446 ± 24.7
Positive Control ³			205 ± 10.1	154 ± 11.0	
Positive Control ⁸	815 ± 72.9	384 ± 24.4			

Experiment Number: 098967

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexachloro-1,3-butadiene

CAS Number: 87-68-3

Date Report Requested: 09/11/2018

Time Report Requested: 13:11:52

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	25 ± 1.2
0.3	
1.0	
3.0	
10.0	
16.0	
33.0	
100.0	26 ± 1.9
333.0	24 ± 4.0
1000.0	28 ± 2.2
3333.0	25 ± 3.1
10000.0	25 ± 0.3
Trial Summary	Negative
Positive Control ²	
Positive Control ³	353 ± 22.9
Positive Control ⁸	

Experiment Number: 098967

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Hexachloro-1,3-butadiene

CAS Number: 87-68-3

Date Report Requested: 09/11/2018

Time Report Requested: 13:11:52

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 ****