Experiment Number: **243120**

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

G06: Ames Summary Data

Test Compound: **3,4-Dichlorobenzaldehyde**

CAS Number: **6287-38-3**

Date Report Requested: **09/10/2018**

Time Report Requested: **19:34:48**

NTP Study Number: 243120

Study Result: Negative

Experiment Number: **243120**

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

G06: Ames Summary Data

Test Compound: **3,4-Dichlorobenzaldehyde**

CAS Number: **6287-38-3**

Date Report Requested: **09/10/2018**

Time Report Requested: **19:34:48**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	93 ± 9.9	104 ± 11.3	105 ± 3.9	113 ± 6.4	89 ± 0.9
1.0		100 ± 2.0			
3.3	98 ± 5.2	102 ± 6.6	92 ± 5.1	102 ± 8.1	88 ± 5.8
10.0	99 ± 1.5	93 ± 6.2	98 ± 12.3	124 ± 7.9	77 ± 6.9
33.0	91 ± 2.2	107 ± 2.7	99 ± 9.5	113 ± 5.5	88 ± 1.8
67.0		84 ± 1.7			
100.0	67 ± 7.0[s]		86 ± 2.1	112 ± 3.8	91 ± 4.4
200.0	Toxic		93 ± 10.0		69 ± 1.8[s]
333.0				66 ± 4.2[s]	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					560 ± 246.2
Positive Control[3]	325 ± 5.0	358 ± 13.9			
Positive Control[4]			1102 ± 124.4		
Positive Control[5]					
Positive Control[6]				1443 ± 32.1	

Experiment Number: **243120**

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

G06: Ames Summary Data

Test Compound: **3,4-Dichlorobenzaldehyde**

CAS Number: **6287-38-3**

Date Report Requested: **09/10/2018**

Time Report Requested: **19:34:48**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	107 ± 4.0
1.0	
3.3	111 ± 3.0
10.0	104 ± 4.3
33.0	99 ± 3.2
67.0	
100.0	99 ± 4.9
200.0	
333.0	80 ± 5.5[s]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[4]	
Positive Control[5]	560 ± 28.5
Positive Control[6]	

Experiment Number: **243120**

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

G06: Ames Summary Data

Test Compound: **3,4-Dichlorobenzaldehyde**

CAS Number: **6287-38-3**

Date Report Requested: **09/10/2018**

Time Report Requested: **19:34:48**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	17 ± 1.2	19 ± 2.7	7 ± 0.9	15 ± 2.3	9 ± 1.7
1.0	14 ± 1.2	18 ± 0.6			
3.3	20 ± 2.1	15 ± 1.2	13 ± 1.2	14 ± 1.8	12 ± 1.2
10.0	20 ± 1.0	17 ± 3.5	11 ± 1.2	15 ± 1.7	9 ± 0.7
33.0	15 ± 0.9	19 ± 0.6	10 ± 2.3	12 ± 1.5	7 ± 0.9
67.0		14 ± 1.2			
100.0	9 ± 1.2		10 ± 2.9	15 ± 1.9	13 ± 2.4
200.0			5 ± 0.6		10 ± 2.1[s]
333.0				16 ± 2.1[s]	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			172 ± 5.8		77 ± 6.0
Positive Control[3]	348 ± 5.5	262 ± 15.1			
Positive Control[5]					
Positive Control[6]				336 ± 10.8	

Experiment Number: **243120**

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

G06: Ames Summary Data

Test Compound: **3,4-Dichlorobenzaldehyde**

CAS Number: **6287-38-3**

Date Report Requested: **09/10/2018**

Time Report Requested: **19:34:48**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	14 ± 1.3
1.0	
3.3	9 ± 1.9
10.0	16 ± 2.2
33.0	15 ± 1.3
67.0	
100.0	13 ± 1.2
200.0	
333.0	11 ± 2.1[s]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	
Positive Control[5]	197 ± 2.8
Positive Control[6]	

Experiment Number: **243120**

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

G06: Ames Summary Data

Test Compound: **3,4-Dichlorobenzaldehyde**

CAS Number: **6287-38-3**

Date Report Requested: **09/10/2018**

Time Report Requested: **19:34:48**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	147 ± 2.0	121 ± 5.0	135 ± 2.5	162 ± 10.4	97 ± 4.0
1.0	122 ± 9.3	117 ± 7.4			
3.3	154 ± 6.1	119 ± 7.5	120 ± 6.4	172 ± 16.9	103 ± 5.5
10.0	124 ± 8.5	113 ± 2.6	111 ± 4.1	152 ± 5.2	105 ± 6.0
33.0	154 ± 7.6	111 ± 3.7	115 ± 4.2	172 ± 7.9	98 ± 4.3
67.0		110 ± 5.0			
100.0	51 ± 9.3[s]		116 ± 5.6	157 ± 4.6	90 ± 4.0
200.0			96 ± 5.9		83 ± 4.7[s]
333.0				106 ± 5.5[s]	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[7]	469 ± 11.3	309 ± 10.4			
Positive Control[4]					983 ± 33.6
Positive Control[6]			2521 ± 90.6		
Positive Control[8]				1235 ± 43.2	

Experiment Number: **243120**

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

G06: Ames Summary Data

Test Compound: **3,4-Dichlorobenzaldehyde**

CAS Number: **6287-38-3**

Date Report Requested: **09/10/2018**

Time Report Requested: **19:34:48**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	127 ± 6.0
1.0	
3.3	153 ± 7.4
10.0	155 ± 2.2
33.0	124 ± 7.2
67.0	
100.0	118 ± 1.7
200.0	
333.0	96 ± 6.1[s]
Trial Summary	Negative
Positive Control[7]	
Positive Control[4]	
Positive Control[6]	
Positive Control[8]	1151 ± 57.0

Experiment Number: **243120**

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

G06: Ames Summary Data

Test Compound: **3,4-Dichlorobenzaldehyde**

CAS Number: **6287-38-3**

Date Report Requested: **09/10/2018**

Time Report Requested: **19:34:48**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	14 ± 1.5	26 ± 1.7	37 ± 2.6	35 ± 3.5	39 ± 0.9
1.0	18 ± 3.2	23 ± 4.1			
3.3	17 ± 2.4	26 ± 5.0	38 ± 0.9	29 ± 4.0	36 ± 2.4
10.0	16 ± 4.4	26 ± 2.8	32 ± 4.1	27 ± 3.2	33 ± 0.3
33.0	16 ± 0.0	19 ± 3.5	33 ± 2.9	31 ± 3.0	24 ± 2.4
67.0		19 ± 2.7			
100.0	10 ± 1.5[s]		29 ± 2.8	27 ± 4.7	31 ± 2.7
200.0			22 ± 3.2		30 ± 3.2[s]
333.0				25 ± 2.5	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			229 ± 11.2		188 ± 23.8
Positive Control[5]				240 ± 4.9	
Positive Control[9]	269 ± 6.6	355 ± 7.5			

Experiment Number: **243120**

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

G06: Ames Summary Data

Test Compound: **3,4-Dichlorobenzaldehyde**

CAS Number: **6287-38-3**

Date Report Requested: **09/10/2018**

Time Report Requested: **19:34:48**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	29 ± 2.6
1.0	
3.3	28 ± 2.4
10.0	28 ± 3.7
33.0	28 ± 3.7
67.0	
100.0	32 ± 4.0
200.0	
333.0	21 ± 2.3[s]
Trial Summary	Negative
Positive Control[2]	499 ± 24.4
Positive Control[5]	
Positive Control[9]	

Experiment Number: **243120**

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

G06: Ames Summary Data

Test Compound: **3,4-Dichlorobenzaldehyde**

CAS Number: **6287-38-3**

Date Report Requested: **09/10/2018**

Time Report Requested: **19:34:48**

Strain: TA104

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	322 ± 13.0	289 ± 9.8	334 ± 15.0	439 ± 3.5	347 ± 3.5
1.0	332 ± 3.8	279 ± 3.2			
3.3	327 ± 9.2	291 ± 8.2	367 ± 5.5	414 ± 8.0	321 ± 28.4
10.0	312 ± 23.1	256 ± 8.1	366 ± 20.7	449 ± 19.6	335 ± 9.4
33.0	275 ± 14.4	254 ± 7.5	381 ± 21.0	437 ± 19.1	311 ± 9.5
67.0		251 ± 9.8			
100.0	122 ± 4.8[s]		316 ± 10.0	421 ± 15.9	308 ± 14.6
200.0			251 ± 5.4		200 ± 1.2[s]
333.0				249 ± 28.5[s]	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[10]			2150 ± 33.1	1910 ± 21.1	1987 ± 105.0
Positive Control[11]	1000 ± 13.6	943 ± 188.3			

Experiment Number: **243120**

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

G06: Ames Summary Data

Test Compound: **3,4-Dichlorobenzaldehyde**

CAS Number: **6287-38-3**

Date Report Requested: **09/10/2018**

Time Report Requested: **19:34:48**

Strain: TA104

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	401 ± 3.1
1.0	
3.3	381 ± 29.4
10.0	373 ± 6.7
33.0	375 ± 13.6
67.0	
100.0	368 ± 12.9
200.0	
333.0	275 ± 61.5[s]
Trial Summary	Negative
Positive Control[10]	2216 ± 41.9
Positive Control[11]	

LEGEND

Values given as Mean or Mean ± 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: 0.4 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: 0.05 ug/Plate Solvent
8: 2.5 ug/Plate 2-Aminoanthracene
9: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine
10: 4.0 ug/Plate 2-Aminoanthracene
11: 75.0 ug/Plate Solvent
s: Slight Toxicity

** END OF REPORT **