

Experiment Number: 917014

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 1,2-Dichlorobenzene (o-dichlorobenzene)

CAS Number: 95-50-1

Date Report Requested: 09/17/2018

Time Report Requested: 02:39:12

**NTP Study Number:**

917014

**Study Result:**

Negative

Experiment Number: 917014

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 1,2-Dichlorobenzene (o-dichlorobenzene)  
CAS Number: 95-50-1

Date Report Requested: 09/17/2018

Time Report Requested: 02:39:12

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	112 ± 2.2	122 ± 11.9	160 ± 4.0	182 ± 29.3	183 ± 4.7
1.0		155 ± 15.4		212 ± 7.5	
3.3	108 ± 3.8	115 ± 2.0	156 ± 9.4	173 ± 9.1	164 ± 11.9
10.0	150 ± 3.8	161 ± 1.9	173 ± 4.9	194 ± 3.3	162 ± 9.5
33.0	142 ± 5.0	152 ± 4.0	172 ± 5.6	192 ± 4.7	150 ± 5.2
100.0	132 ± 5.9	141 ± 5.1	144 ± 7.4	154 ± 5.4	158 ± 8.8
333.0	117 ± 21.7		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			308 ± 10.1	340 ± 38.0	800 ± 72.6
Positive Control <sup>3</sup>	383 ± 24.5	429 ± 23.2			

Experiment Number: 917014

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 1,2-Dichlorobenzene (o-dichlorobenzene)

CAS Number: 95-50-1

Date Report Requested: 09/17/2018

Time Report Requested: 02:39:12

---

**Strain: TA100**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	166 ± 8.5
1.0	152 ± 3.6
3.3	144 ± 9.0
10.0	144 ± 7.4
33.0	133 ± 2.7
100.0	136 ± 4.7
333.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	721 ± 45.9
Positive Control <sup>3</sup>	

Experiment Number: 917014

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 1,2-Dichlorobenzene (o-dichlorobenzene)

CAS Number: 95-50-1

Date Report Requested: 09/17/2018

Time Report Requested: 02:39:12

## Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	9 ± 1.7	10 ± 1.0	7 ± 2.0	10 ± 1.7	10 ± 1.2
1.0		10 ± 1.5		12 ± 1.0	
3.3	9 ± 1.0	9 ± 0.3	7 ± 1.3	9 ± 1.5	5 ± 0.6
10.0	10 ± 0.6	11 ± 0.3	6 ± 2.1	7 ± 2.2	7 ± 1.5
33.0	6 ± 2.0	6 ± 1.3	7 ± 2.3	9 ± 3.0	3 ± 1.5
100.0	Toxic	Toxic	Toxic	13 ± 4.0	2 ± 0.3
333.0	0 ± 0.0		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			38 ± 11.3	31 ± 3.6	55 ± 7.2
Positive Control <sup>3</sup>	258 ± 17.1	290 ± 26.4			

Experiment Number: 917014

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 1,2-Dichlorobenzene (o-dichlorobenzene)

CAS Number: 95-50-1

Date Report Requested: 09/17/2018

Time Report Requested: 02:39:12

---

**Strain: TA1535**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	12 ± 0.9
1.0	8 ± 1.0
3.3	6 ± 0.3
10.0	8 ± 1.5
33.0	3 ± 1.0
100.0	6 ± 4.3
333.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	46 ± 4.7
Positive Control <sup>3</sup>	

Experiment Number: 917014

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 1,2-Dichlorobenzene (o-dichlorobenzene)

CAS Number: 95-50-1

Date Report Requested: 09/17/2018

Time Report Requested: 02:39:12

## Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	8 ± 0.9	7 ± 0.6	11 ± 1.0	12 ± 3.8	13 ± 3.0
1.0		5 ± 0.6	8 ± 0.3		12 ± 0.9
3.3	7 ± 2.0	7 ± 2.1	9 ± 2.8	12 ± 1.0	12 ± 0.7
10.0	4 ± 1.2	6 ± 1.7	8 ± 0.9	7 ± 1.2	9 ± 0.9
33.0	3 ± 1.2	4 ± 1.5	8 ± 1.2	11 ± 1.5	11 ± 1.0
100.0	5 ± 4.5	6 ± 2.0	8 ± 1.5	Toxic	11 ± 0.0
333.0	0 ± 0.0			0 ± 0.0	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			26 ± 4.8	44 ± 1.5	60 ± 9.0
Positive Control <sup>4</sup>	266 ± 95.0	228 ± 54.2			

Experiment Number: 917014

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 1,2-Dichlorobenzene (o-dichlorobenzene)

CAS Number: 95-50-1

Date Report Requested: 09/17/2018

Time Report Requested: 02:39:12

## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	11 ± 2.5	11 ± 2.0	17 ± 3.1	17 ± 1.2	13 ± 1.2
1.0		9 ± 0.6		16 ± 0.7	
3.3	9 ± 1.9	9 ± 1.7	14 ± 1.8	15 ± 1.5	16 ± 1.8
10.0	11 ± 2.5	10 ± 2.1	20 ± 2.5	17 ± 2.2	11 ± 1.5
33.0	7 ± 3.1	8 ± 3.5	12 ± 1.3	15 ± 1.3	16 ± 3.2
100.0	5 ± 5.0	9 ± 4.0	12 ± 0.9	15 ± 1.3	21 ± 2.8
333.0	0 ± 0.0		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			158 ± 51.5	169 ± 9.9	424 ± 4.5
Positive Control <sup>5</sup>	257 ± 10.2	268 ± 7.8			

Experiment Number: 917014

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 1,2-Dichlorobenzene (o-dichlorobenzene)  
CAS Number: 95-50-1

Date Report Requested: 09/17/2018

Time Report Requested: 02:39:12

---

**Strain: TA98**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	18 ± 2.4
1.0	23 ± 4.5
3.3	23 ± 2.4
10.0	15 ± 2.0
33.0	23 ± 4.4
100.0	29 ± 3.8
333.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	567 ± 73.1
Positive Control <sup>5</sup>	

Experiment Number: 917014

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 1,2-Dichlorobenzene (o-dichlorobenzene)

CAS Number: 95-50-1

Date Report Requested: 09/17/2018

Time Report Requested: 02:39:12

**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: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**\*\* END OF REPORT \*\***