

Experiment Number: 059613

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2,4-Dinitroaniline

CAS Number: 97-02-9

Date Report Requested: 09/15/2018

Time Report Requested: 03:22:34

**NTP Study Number:** 059613

**Study Result:** Positive

Experiment Number: 059613

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 2,4-Dinitroaniline

CAS Number: 97-02-9

Date Report Requested: 09/15/2018

Time Report Requested: 03:22:34

## 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>	85 ± 5.8	64 ± 3.5	92 ± 9.4	84 ± 10.2	131 ± 14.7
3.3				97 ± 6.7	
10.0		45 ± 0.3		84 ± 4.5	
33.0	108 ± 3.4	61 ± 5.6	138 ± 14.0	120 ± 4.6	205 ± 3.1
100.0	161 ± 10.4	89 ± 10.9	194 ± 14.2	125 ± 3.8	258 ± 7.5
333.0	213 ± 4.9	145 ± 9.8 <sup>P</sup>	159 ± 5.4	135 ± 7.1 <sup>P</sup>	280 ± 40.7
1000.0	41 ± 5.9 <sup>P</sup>	254 ± 10.1 <sup>P</sup>	0 ± 0.0 <sup>P</sup>		39 ± 23.2 <sup>P</sup>
3333.0	0 ± 0.0 <sup>P</sup>		0 ± 0.0 <sup>P</sup>		0 ± 0.0 <sup>P</sup>
Trial Summary	Positive	Positive	Weakly Positive	Weakly Positive	Positive
Positive Control <sup>2</sup>			2170 ± 27.1	2306 ± 132.7	2083 ± 20.7
Positive Control <sup>3</sup>	765 ± 82.7	1767 ± 36.2			

Experiment Number: 059613

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2,4-Dinitroaniline

CAS Number: 97-02-9

Date Report Requested: 09/15/2018

Time Report Requested: 03:22:34

---

**Strain: TA100**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	115 ± 6.2
3.3	
10.0	115 ± 12.2
33.0	128 ± 13.5
100.0	180 ± 8.4
333.0	204 ± 9.5 <sup>p</sup>
1000.0	339 ± 11.2 <sup>p</sup>
3333.0	
Trial Summary	Positive
Positive Control <sup>2</sup>	2601 ± 190.0
Positive Control <sup>3</sup>	

Experiment Number: 059613

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 2,4-Dinitroaniline

CAS Number: 97-02-9

Date Report Requested: 09/15/2018

Time Report Requested: 03:22:34

## 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>	6 ± 0.9	7 ± 2.0	10 ± 0.6	12 ± 2.4	9 ± 2.3
3.3		10 ± 1.2		14 ± 1.0	
10.0		7 ± 2.3		16 ± 2.2	
33.0	7 ± 0.3	10 ± 2.1	15 ± 4.7	10 ± 1.5	11 ± 2.4
100.0	8 ± 1.2	11 ± 0.6	14 ± 1.9	16 ± 1.7	10 ± 1.9
333.0	9 ± 1.7 <sup>p</sup>	19 ± 3.5 <sup>p</sup>	11 ± 3.5 <sup>p</sup>	18 ± 3.3 <sup>p</sup>	12 ± 2.3 <sup>p</sup>
1000.0	2 ± 2.0 <sup>p</sup>		0 ± 0.0 <sup>p</sup>		0 ± 0.0 <sup>p</sup>
3333.0	0 ± 0.0 <sup>p</sup>		0 ± 0.0 <sup>p</sup>		0 ± 0.0 <sup>p</sup>
Trial Summary	Negative	Equivocal	Negative	Negative	Negative
Positive Control <sup>2</sup>			121 ± 3.2	224 ± 44.0	124 ± 24.9
Positive Control <sup>3</sup>	633 ± 32.2	1051 ± 31.1			

Experiment Number: 059613

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2,4-Dinitroaniline

CAS Number: 97-02-9

Date Report Requested: 09/15/2018

Time Report Requested: 03:22:34

---

**Strain: TA1535**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	14 ± 2.7
3.3	15 ± 2.3
10.0	11 ± 2.1
33.0	17 ± 3.7
100.0	17 ± 0.6
333.0	24 ± 3.1 <sup>P</sup>
1000.0	
3333.0	
Trial Summary	Negative
Positive Control <sup>2</sup>	210 ± 19.6
Positive Control <sup>3</sup>	

Experiment Number: 059613

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 2,4-Dinitroaniline

CAS Number: 97-02-9

Date Report Requested: 09/15/2018

Time Report Requested: 03:22:34

## Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	1 ± 0.3	7 ± 1.5	4 ± 0.7	10 ± 2.1	5 ± 0.9
3.3		11 ± 1.2		15 ± 5.1	
10.0		15 ± 2.3		13 ± 3.3	
33.0	10 ± 2.3	13 ± 3.1	13 ± 2.3	17 ± 5.0	38 ± 3.8
100.0	25 ± 2.9	30 ± 1.8	31 ± 1.9	22 ± 2.0	57 ± 4.6
333.0	24 ± 2.9	62 ± 6.1 <sup>p</sup>	21 ± 3.9	21 ± 7.6 <sup>p</sup>	37 ± 5.9
1000.0	0 ± 0.0 <sup>p</sup>		1 ± 1.0 <sup>p</sup>		9 ± 9.0 <sup>p</sup>
3333.0	0 ± 0.0 <sup>p</sup>		0 ± 0.0 <sup>p</sup>		1 ± 1.0 <sup>p</sup>
Trial Summary	Positive	Positive	Positive	Equivocal	Positive
Positive Control <sup>2</sup>			103 ± 4.6	216 ± 21.5	39 ± 1.2
Positive Control <sup>4</sup>	711 ± 140.0	622 ± 194.1			

Experiment Number: 059613

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2,4-Dinitroaniline

CAS Number: 97-02-9

Date Report Requested: 09/15/2018

Time Report Requested: 03:22:34

---

**Strain: TA1537**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	11 ± 3.5
3.3	15 ± 2.3
10.0	17 ± 5.0
33.0	19 ± 3.5
100.0	33 ± 4.1
333.0	44 ± 4.9 <sup>p</sup>
1000.0	
3333.0	
Trial Summary	Positive
Positive Control <sup>2</sup>	205 ± 15.9
Positive Control <sup>4</sup>	

Experiment Number: 059613

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: 2,4-Dinitroaniline

CAS Number: 97-02-9

Date Report Requested: 09/15/2018

Time Report Requested: 03:22:34

## 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>	14 ± 3.2	15 ± 3.1	21 ± 0.6	22 ± 2.3	21 ± 0.6
10.0		12 ± 1.5			
33.0	27 ± 2.5	11 ± 1.2	87 ± 6.7	58 ± 3.8	215 ± 7.2
100.0	52 ± 6.0	12 ± 0.9	112 ± 6.1	67 ± 7.3	254 ± 4.7
333.0	97 ± 14.8	30 ± 3.3 <sup>P</sup>	138 ± 11.4	68 ± 2.8 <sup>P</sup>	356 ± 26.8
1000.0	199 ± 38.5 <sup>P</sup>	107 ± 14.4 <sup>P</sup>	308 ± 24.6 <sup>P</sup>	105 ± 12.2 <sup>P</sup>	455 ± 22.0 <sup>P</sup>
3333.0	0 ± 0.0 <sup>P</sup>		239 ± 36.7 <sup>P</sup>	210 ± 53.6 <sup>P</sup>	0 ± 0.0 <sup>P</sup>
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control <sup>2</sup>			1335 ± 67.8	1067 ± 68.2	1596 ± 7.8
Positive Control <sup>5</sup>	245 ± 30.9	297 ± 17.5			



Experiment Number: 059613

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: 2,4-Dinitroaniline

CAS Number: 97-02-9

Date Report Requested: 09/15/2018

Time Report Requested: 03:22:34

---

**Strain: TA98**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	19 ± 2.2
10.0	49 ± 3.2
33.0	83 ± 7.1
100.0	122 ± 6.4
333.0	140 ± 4.4 <sup>P</sup>
1000.0	229 ± 12.8 <sup>P</sup>
3333.0	
Trial Summary	Positive
Positive Control <sup>2</sup>	1597 ± 55.9
Positive Control <sup>5</sup>	

Experiment Number: 059613

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

**G06: Ames Summary Data**

Test Compound: **2,4-Dinitroaniline**

CAS Number: **97-02-9**

Date Report Requested: **09/15/2018**

Time Report Requested: **03:22:34**

### **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

p: Precipitate

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