

Experiment Number: 623399

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: p-Anisidine

CAS Number: 104-94-9

Date Report Requested: 09/10/2018

Time Report Requested: 16:18:54

**NTP Study Number:**

623399

**Study Result:**

Positive

Experiment Number: 623399

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: p-Anisidine

CAS Number: 104-94-9

Date Report Requested: 09/10/2018

Time Report Requested: 16:18:54

## 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>	111 ± 1.5	122 ± 3.0	128 ± 9.4	129 ± 0.9	125 ± 7.0
100.0	115 ± 7.2	104 ± 6.1	133 ± 3.7	144 ± 11.4	154 ± 4.9
333.0	131 ± 5.4	110 ± 9.5	137 ± 5.5	166 ± 4.9	198 ± 5.5
1000.0	150 ± 14.0	143 ± 14.5	148 ± 7.3	181 ± 11.1	231 ± 10.3
3333.0	209 ± 12.6 <sup>p</sup>	192 ± 5.5 <sup>p</sup>	158 ± 22.2	201 ± 8.1	268 ± 29.9
10000.0	220 ± 13.9 <sup>p</sup>	180 ± 11.8 <sup>p</sup>	147 ± 0.6	189 ± 8.5	290 ± 6.5
Trial Summary	Positive	Weakly Positive	Equivocal	Weakly Positive	Positive
Positive Control <sup>2</sup>	448 ± 29.5	318 ± 8.5			
Positive Control <sup>3</sup>			535 ± 15.9	568 ± 4.6	1000 ± 38.4

Experiment Number: 623399  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: p-Anisidine  
CAS Number: 104-94-9

Date Report Requested: 09/10/2018  
Time Report Requested: 16:18:54

---

Strain: TA100

---

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control <sup>1</sup>	138 ± 6.6
100.0	251 ± 5.5
333.0	271 ± 20.2
1000.0	298 ± 3.2
3333.0	330 ± 5.0
10000.0	319 ± 18.4
Trial Summary	Positive
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	1705 ± 35.5

Experiment Number: 623399  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: p-Anisidine  
CAS Number: 104-94-9

Date Report Requested: 09/10/2018  
Time Report Requested: 16:18:54

Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	36 ± 2.8	17 ± 0.9	19 ± 2.3
100.0	28 ± 2.7	18 ± 0.9	15 ± 0.6
333.0	31 ± 3.8	16 ± 1.9	14 ± 1.3
1000.0	39 ± 4.1	16 ± 1.0	13 ± 2.2
3333.0	37 ± 6.4 <sup>P</sup>	15 ± 2.5	18 ± 1.8
10000.0	25 ± 1.8 <sup>P</sup>	11 ± 2.8	17 ± 1.8
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>	406 ± 15.3		
Positive Control <sup>4</sup>		286 ± 12.1	359 ± 12.0

Experiment Number: 623399  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: p-Anisidine  
CAS Number: 104-94-9

Date Report Requested: 09/10/2018  
Time Report Requested: 16:18:54

Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	6 ± 1.5	14 ± 2.0	7 ± 1.9
100.0	6 ± 1.2	12 ± 1.5	5 ± 1.9
333.0	8 ± 1.5	8 ± 2.1	7 ± 3.0
1000.0	5 ± 1.9	14 ± 1.5	4 ± 0.6
3333.0	9 ± 1.5 <sup>P</sup>	10 ± 1.2	8 ± 2.4
10000.0	4 ± 1.7 <sup>P</sup>	5 ± 1.2	7 ± 0.3
Trial Summary	Negative	Negative	Negative
Positive Control <sup>4</sup>		166 ± 6.7	497 ± 15.6
Positive Control <sup>5</sup>	318 ± 30.9		

Experiment Number: 623399  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: p-Anisidine  
CAS Number: 104-94-9

Date Report Requested: 09/10/2018  
Time Report Requested: 16:18:54

Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	18 ± 1.7	39 ± 4.3	37 ± 3.2
100.0	14 ± 2.6	35 ± 2.8	30 ± 1.3
333.0	15 ± 1.5	32 ± 0.7	29 ± 4.3
1000.0	20 ± 2.6	35 ± 3.7	42 ± 1.3
3333.0	18 ± 2.3 <sup>P</sup>	34 ± 2.6	27 ± 3.3
10000.0	17 ± 3.7 <sup>P</sup>	30 ± 3.7	29 ± 1.0
Trial Summary	Negative	Negative	Negative
Positive Control <sup>3</sup>		364 ± 14.5	1026 ± 35.5
Positive Control <sup>6</sup>	711 ± 7.8		

Experiment Number: 623399  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: p-Anisidine  
CAS Number: 104-94-9

Date Report Requested: 09/10/2018  
Time Report Requested: 16:18:54

## 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 Sodium Azide
- 3: 1.0 ug/Plate 2-Aminoanthracene
- 4: 2.5 ug/Plate 2-Aminoanthracene
- 5: 50.0 ug/Plate 9-Aminoacridine
- 6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine
- p: Precipitate

\*\* END OF REPORT \*\*