

Experiment Number: **G11425**

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

**G06: Ames Summary Data**

Test Compound: **p-Toluidine**

CAS Number: **106-49-0**

Date Report Requested: **09/16/2018**

Time Report Requested: **03:30:10**

**NTP Study Number:**

G11425

**Study Result:**

Negative

Experiment Number: G11425  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: p-Toluidine  
CAS Number: 106-49-0

Date Report Requested: 09/16/2018  
Time Report Requested: 03:30:10

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	75 ± 7.7	56 ± 5.2	83 ± 3.2	66 ± 2.5
125.0	83 ± 4.2	64 ± 3.2	88 ± 5.5	68 ± 5.5
250.0	84 ± 8.2	55 ± 4.8	79 ± 5.2	66 ± 4.1
500.0	68 ± 5.9	59 ± 2.6	87 ± 7.8	61 ± 6.1
1500.0	76 ± 3.8	68 ± 1.5	82 ± 7.6	62 ± 1.2
3000.0	80 ± 3.1	50 ± 1.9	84 ± 12.0	69 ± 5.8
6000.0	Toxic	Toxic	5 ± 1.5 <sup>s</sup>	Toxic
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	546 ± 13.0	460 ± 7.4		
Positive Control <sup>3</sup>			2047 ± 47.8	1900 ± 89.0

Experiment Number: G11425  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: p-Toluidine  
CAS Number: 106-49-0

Date Report Requested: 09/16/2018  
Time Report Requested: 03:30:10

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	8 ± 1.7	11 ± 3.4	18 ± 1.5	16 ± 1.7
125.0	16 ± 3.5	7 ± 2.1	21 ± 2.0	20 ± 2.0
250.0	13 ± 0.9	8 ± 2.5	18 ± 3.9	25 ± 2.6
500.0	15 ± 1.5	16 ± 1.7	24 ± 2.6	20 ± 0.9
1500.0	10 ± 0.6	8 ± 2.5	20 ± 1.9	19 ± 1.5
3000.0	13 ± 4.7	9 ± 3.7	21 ± 2.1	17 ± 2.8
6000.0	Toxic	Toxic	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			824 ± 53.6	932 ± 50.4
Positive Control <sup>5</sup>	386 ± 14.2	204 ± 33.7		

Experiment Number: G11425  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: p-Toluidine  
CAS Number: 106-49-0

Date Report Requested: 09/16/2018  
Time Report Requested: 03:30:10

Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	122 ± 11.1	142 ± 6.3	152 ± 8.5	167 ± 19.3
125.0	126 ± 10.4	136 ± 11.6	155 ± 9.5	165 ± 8.0
250.0	118 ± 6.7	124 ± 7.4	177 ± 3.5	183 ± 15.3
500.0	131 ± 6.7	108 ± 2.9	169 ± 5.2	189 ± 5.5
1500.0	127 ± 8.1	137 ± 1.8	169 ± 1.5	177 ± 11.6
3000.0	129 ± 7.0	149 ± 5.4	174 ± 5.8	151 ± 2.9
6000.0	Toxic	81 ± 12.4	132 ± 8.8	165 ± 11.1
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>6</sup>			945 ± 34.8	1169 ± 38.8
Positive Control <sup>7</sup>	964 ± 48.7	1005 ± 28.3		

Experiment Number: **G11425**  
Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

**G06: Ames Summary Data**  
Test Compound: **p-Toluidine**  
CAS Number: **106-49-0**

Date Report Requested: **09/16/2018**  
Time Report Requested: **03:30:10**

### **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: 2.5 ug/Plate 2-Aminoanthracene
- 4: 1.0 ug/Plate 2-Aminoanthracene
- 5: 3.0 ug/Plate 2-Nitrofluorene
- 6: 20.0 ug/Plate 2-Aminoanthracene
- 7: 100.0 ug/Plate Methyl Methane Sulfonate
- s: Slight Toxicity

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