

Experiment Number: 701694

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: m-Nitrobenzamide

CAS Number: 645-09-0

Date Report Requested: 09/12/2018

Time Report Requested: 12:29:27

**NTP Study Number:**

701694

**Study Result:**

Positive

Experiment Number: 701694

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: m-Nitrobenzamide

CAS Number: 645-09-0

Date Report Requested: 09/12/2018

Time Report Requested: 12:29:27

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	113 ± 7.3	130 ± 6.7	120 ± 5.6	127 ± 2.7	171 ± 9.3
100.0	103 ± 1.0	140 ± 6.2	121 ± 6.3	139 ± 7.5	181 ± 12.9
333.0	94 ± 8.3	142 ± 20.0	128 ± 7.9	182 ± 13.5	210 ± 14.2
1000.0	140 ± 6.5	150 ± 1.5	150 ± 6.1	216 ± 8.0	216 ± 1.5
3333.0	124 ± 15.2 <sup>P</sup>	126 ± 11.8 <sup>P</sup>	136 ± 4.1 <sup>P</sup>	239 ± 16.8 <sup>P</sup>	285 ± 27.5 <sup>P</sup>
6666.0	123 ± 2.5 <sup>P</sup>	0 ± 0.0 <sup>X</sup>	135 ± 12.4 <sup>P</sup>	212 ± 13.9 <sup>P</sup>	123 ± 11.8 <sup>P</sup>
Trial Summary	Negative	Negative	Equivocal	Weakly Positive	Positive
Positive Control <sup>2</sup>	489 ± 15.9	379 ± 15.4			
Positive Control <sup>3</sup>			312 ± 7.0	776 ± 12.7	1069 ± 50.6

Experiment Number: 701694  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: m-Nitrobenzamide  
CAS Number: 645-09-0

Date Report Requested: 09/12/2018  
Time Report Requested: 12:29:27

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	121 ± 6.5	124 ± 8.7	159 ± 5.9
100.0	115 ± 6.4	155 ± 12.0	175 ± 5.5
333.0	125 ± 15.9	151 ± 14.4	214 ± 6.7
1000.0	150 ± 3.4	165 ± 4.8	231 ± 4.4
3333.0	141 ± 6.1 <sup>P</sup>	199 ± 8.9 <sup>P</sup>	242 ± 1.2 <sup>P</sup>
6666.0	146 ± 3.6 <sup>P</sup>	133 ± 4.6 <sup>P</sup>	121 ± 13.9 <sup>P</sup>
Trial Summary	Negative	Equivocal	Weakly Positive
Positive Control <sup>2</sup>			
Positive Control <sup>3</sup>	604 ± 10.4	1841 ± 76.4	1309 ± 86.5

Experiment Number: 701694  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: m-Nitrobenzamide  
CAS Number: 645-09-0

Date Report Requested: 09/12/2018  
Time Report Requested: 12:29:27

Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	22 ± 2.9	10 ± 2.7	5 ± 0.9
100.0	11 ± 2.7	8 ± 0.8	5 ± 0.7
333.0	16 ± 4.9	9 ± 2.1	5 ± 1.7
1000.0	7 ± 0.9	4 ± 1.2	7 ± 1.2
3333.0	4 ± 0.7 <sup>P</sup>	6 ± 1.2 <sup>P</sup>	7 ± 2.9 <sup>P</sup>
6666.0	2 ± 0.3 <sup>P</sup>	6 ± 1.8 <sup>P</sup>	8 ± 0.7 <sup>P</sup>
Trial Summary	Negative	Negative	Negative
Positive Control <sup>2</sup>	421 ± 13.3		
Positive Control <sup>4</sup>		156 ± 10.6	369 ± 22.2

Experiment Number: 701694  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: m-Nitrobenzamide  
CAS Number: 645-09-0

Date Report Requested: 09/12/2018  
Time Report Requested: 12:29:27

Strain: TA97

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	90 ± 7.8	159 ± 5.1	142 ± 7.5
100.0	119 ± 13.4	201 ± 1.2	148 ± 20.7
333.0	115 ± 13.7	173 ± 6.7	126 ± 6.7
1000.0	130 ± 7.8	185 ± 5.5	153 ± 22.5
3333.0	139 ± 6.2 <sup>P</sup>	194 ± 7.2 <sup>P</sup>	162 ± 8.4 <sup>P</sup>
6666.0	121 ± 3.3 <sup>P</sup>	178 ± 2.6 <sup>P</sup>	168 ± 12.0 <sup>P</sup>
Trial Summary	Equivocal	Equivocal	Negative
Positive Control <sup>4</sup>		640 ± 13.3	1345 ± 59.4
Positive Control <sup>5</sup>	700 ± 29.8		

Experiment Number: 701694

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: m-Nitrobenzamide

CAS Number: 645-09-0

Date Report Requested: 09/12/2018

Time Report Requested: 12:29:27

## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	14 ± 1.2	12 ± 2.5	18 ± 3.5	23 ± 2.9	25 ± 0.6
100.0	14 ± 0.3	20 ± 3.8	26 ± 3.2	16 ± 1.7	27 ± 1.5
333.0	18 ± 3.0	37 ± 3.8	57 ± 2.6	22 ± 1.5	29 ± 1.0
1000.0	29 ± 7.1	91 ± 6.3	122 ± 3.3	20 ± 4.0	45 ± 3.8
3333.0	27 ± 2.3 <sup>p</sup>	189 ± 8.5 <sup>p</sup>	231 ± 48.2 <sup>p</sup>	22 ± 4.4 <sup>p</sup>	74 ± 6.6 <sup>p</sup>
6666.0	1 ± 0.3 <sup>p</sup>	49 ± 21.5 <sup>p</sup>	109 ± 11.0 <sup>p</sup>	20 ± 2.2 <sup>p</sup>	90 ± 3.8 <sup>p</sup>
Trial Summary	Equivocal	Positive	Positive	Negative	Positive
Positive Control <sup>3</sup>				138 ± 12.4	369 ± 9.0
Positive Control <sup>6</sup>	702 ± 9.5	249 ± 2.4	676 ± 94.4		

Experiment Number: 701694

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: m-Nitrobenzamide

CAS Number: 645-09-0

Date Report Requested: 09/12/2018

Time Report Requested: 12:29:27

## Strain: TA98

Dose (ug/Plate)	With 5% Hamster S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	26 ± 0.6	15 ± 1.5	25 ± 1.5	24 ± 3.5	24 ± 3.1
100.0	30 ± 5.0	20 ± 4.8	24 ± 2.9	20 ± 2.3	27 ± 1.5
333.0	35 ± 2.0	19 ± 0.9	25 ± 2.6	24 ± 2.8	28 ± 6.1
1000.0	44 ± 1.9	27 ± 2.8	39 ± 3.1	34 ± 3.6	40 ± 2.0
3333.0	86 ± 19.2 <sup>P</sup>	30 ± 0.0 <sup>P</sup>	77 ± 11.6 <sup>P</sup>	70 ± 1.5 <sup>P</sup>	56 ± 5.0 <sup>P</sup>
6666.0	48 ± 20.0 <sup>P</sup>	33 ± 3.7 <sup>P</sup>	44 ± 11.4 <sup>P</sup>	75 ± 18.7 <sup>P</sup>	59 ± 3.7 <sup>P</sup>
Trial Summary	Positive	Weakly Positive	Positive	Positive	Positive
Positive Control <sup>3</sup>	1246 ± 104.8	246 ± 21.8	1056 ± 33.0	1394 ± 31.2	868 ± 15.6
Positive Control <sup>6</sup>					

Experiment Number: 701694  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

G06: Ames Summary Data  
Test Compound: m-Nitrobenzamide  
CAS Number: 645-09-0

Date Report Requested: 09/12/2018  
Time Report Requested: 12:29:27

---

Strain: TA98

---

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control <sup>1</sup>	27 ± 0.9
100.0	26 ± 3.5
333.0	28 ± 1.5
1000.0	31 ± 5.2
3333.0	41 ± 4.4 <sup>P</sup>
6666.0	33 ± 11.7 <sup>P</sup>
Trial Summary	Equivocal
Positive Control <sup>3</sup>	260 ± 11.7
Positive Control <sup>6</sup>	



Experiment Number: 701694  
Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**  
Test Compound: m-Nitrobenzamide  
CAS Number: 645-09-0

Date Report Requested: 09/12/2018  
Time Report Requested: 12:29:27

#### **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
- x: Slight Toxicity and Precipitate

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