

Experiment Number: 599477

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

**G06: Ames Summary Data**

Test Compound: **Isocyanuric acid**

CAS Number: **108-80-5**

Date Report Requested: **09/14/2018**

Time Report Requested: **19:03:33**

**NTP Study Number:**

599477

**Study Result:**

Negative

Experiment Number: 599477

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity**G06: Ames Summary Data**

Test Compound: Isocyanuric acid

CAS Number: 108-80-5

Date Report Requested: 09/14/2018

Time Report Requested: 19:03:33

**Strain: TA100**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	84 ± 5.7	88 ± 4.6	89 ± 1.2	103 ± 1.5	87 ± 6.4
100.0	103 ± 2.6	92 ± 6.7	88 ± 8.5	99 ± 6.5	105 ± 5.1
333.3	85 ± 2.4	95 ± 5.2	91 ± 10.7	86 ± 5.0	87 ± 0.9
1000.0	98 ± 12.8	99 ± 5.1	90 ± 9.5	103 ± 7.7	85 ± 9.7
3333.3	82 ± 7.5	87 ± 0.6	103 ± 3.5	85 ± 2.6	93 ± 3.8
10000.0	72 ± 10.7	108 ± 3.4	98 ± 0.0	98 ± 5.2	92 ± 9.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	413 ± 8.8	338 ± 11.6			
Positive Control <sup>3</sup>			528 ± 9.3	861 ± 48.2	1383 ± 66.9

Experiment Number: 599477

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

**G06: Ames Summary Data**

Test Compound: **Isocyanuric acid**

CAS Number: **108-80-5**

Date Report Requested: **09/14/2018**

Time Report Requested: **19:03:33**

---

**Strain: TA100**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	101 ± 8.2
100.0	109 ± 4.6
333.3	119 ± 9.5
1000.0	104 ± 8.8
3333.3	118 ± 12.8
10000.0	104 ± 5.4
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	1932 ± 40.0

Experiment Number: 599477

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Isocyanuric acid

CAS Number: 108-80-5

Date Report Requested: 09/14/2018

Time Report Requested: 19:03:33

## 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>	17 ± 1.9	11 ± 2.3	7 ± 0.3	10 ± 3.2	9 ± 0.7
100.0	16 ± 1.2	10 ± 2.3	7 ± 0.9	8 ± 1.0	7 ± 3.0
333.3	14 ± 2.4	11 ± 2.9	5 ± 1.7	6 ± 1.0	7 ± 3.2
1000.0	11 ± 3.6	7 ± 2.6	5 ± 2.0	6 ± 1.2	8 ± 2.4
3333.3	12 ± 1.8	7 ± 1.0	10 ± 1.8	5 ± 0.9	8 ± 0.7
10000.0	12 ± 3.3	12 ± 2.0	6 ± 0.3	7 ± 0.9	5 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	350 ± 10.4	183 ± 10.7			
Positive Control <sup>4</sup>			313 ± 14.2	222 ± 8.2	470 ± 34.0

Experiment Number: 599477

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

**G06: Ames Summary Data**

Test Compound: **Isocyanuric acid**

CAS Number: **108-80-5**

Date Report Requested: **09/14/2018**

Time Report Requested: **19:03:33**

---

**Strain: TA1535**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	6 ± 1.5
100.0	10 ± 3.1
333.3	8 ± 0.9
1000.0	10 ± 2.7
3333.3	9 ± 1.7
10000.0	6 ± 0.3
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	285 ± 23.9

Experiment Number: 599477

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity**G06: Ames Summary Data**Test Compound: Isocyanuric acid  
CAS Number: 108-80-5

Date Report Requested: 09/14/2018

Time Report Requested: 19:03:33

**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>	6 ± 1.7	4 ± 1.2	3 ± 1.0	2 ± 0.3	9 ± 3.3
100.0	4 ± 0.3	7 ± 0.9	10 ± 2.3	6 ± 1.3	6 ± 2.0
333.3	5 ± 0.9	6 ± 0.6	8 ± 1.0	5 ± 1.5	4 ± 0.9
1000.0	5 ± 0.7	6 ± 1.2	7 ± 0.6	7 ± 0.9	7 ± 1.2
3333.3	5 ± 0.9	4 ± 1.8	5 ± 1.3	6 ± 0.9	10 ± 0.3
10000.0	6 ± 0.9	5 ± 0.9	7 ± 0.9	6 ± 2.0	8 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			235 ± 5.8	132 ± 18.3	445 ± 13.0
Positive Control <sup>5</sup>	124 ± 40.2	197 ± 18.6			

Experiment Number: 599477

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

**G06: Ames Summary Data**

Test Compound: **Isocyanuric acid**

CAS Number: **108-80-5**

Date Report Requested: **09/14/2018**

Time Report Requested: **19:03:33**

---

**Strain: TA1537**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	2 ± 0.7
100.0	6 ± 0.9
333.3	9 ± 3.0
1000.0	7 ± 1.5
3333.3	6 ± 0.9
10000.0	5 ± 1.3
Trial Summary	Negative
Positive Control <sup>4</sup>	159 ± 21.9
Positive Control <sup>5</sup>	

Experiment Number: 599477

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Isocyanuric acid

CAS Number: 108-80-5

Date Report Requested: 09/14/2018

Time Report Requested: 19:03:33

## 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>	29 ± 5.2	21 ± 2.7	35 ± 3.2	40 ± 1.5	25 ± 4.2
100.0	22 ± 4.1	22 ± 3.4	39 ± 8.5	28 ± 4.8	30 ± 3.5
333.3	26 ± 2.4	19 ± 1.2	38 ± 6.2	24 ± 2.0	25 ± 2.1
1000.0	20 ± 2.7	19 ± 3.5	24 ± 1.7	26 ± 0.9	32 ± 3.5
3333.3	30 ± 4.2	18 ± 0.3	36 ± 2.2	29 ± 5.9	36 ± 2.6
10000.0	29 ± 1.3	24 ± 4.4	34 ± 3.8	20 ± 0.9	31 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			326 ± 16.1	550 ± 17.9	1177 ± 53.5
Positive Control <sup>6</sup>	797 ± 18.8	1486 ± 13.8			



Experiment Number: 599477

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

**G06: Ames Summary Data**

Test Compound: **Isocyanuric acid**

CAS Number: **108-80-5**

Date Report Requested: **09/14/2018**

Time Report Requested: **19:03:33**

---

**Strain: TA98**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	21 ± 3.8
100.0	28 ± 1.7
333.3	31 ± 2.3
1000.0	24 ± 3.5
3333.3	25 ± 3.0
10000.0	31 ± 7.1
Trial Summary	Negative
Positive Control <sup>3</sup>	1486 ± 13.8
Positive Control <sup>6</sup>	

Experiment Number: 599477

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

**G06: Ames Summary Data**

Test Compound: **Isocyanuric acid**

CAS Number: **108-80-5**

Date Report Requested: **09/14/2018**

Time Report Requested: **19:03:33**

### **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: Water

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

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