

Experiment Number: **849803**

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

**G06: Ames Summary Data**

Test Compound: **Potassium chloride**

CAS Number: **7447-40-7**

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

Time Report Requested: **08:22:55**

**NTP Study Number:**

849803

**Study Result:**

Negative

Experiment Number: 849803

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Potassium chloride

CAS Number: 7447-40-7

Date Report Requested: 09/16/2018

Time Report Requested: 08:22:55

## 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>	102 ± 2.3	115 ± 7.8	156 ± 8.0	189 ± 32.5	171 ± 4.9
10.0	93 ± 3.7	139 ± 18.0	160 ± 18.5	205 ± 9.9	172 ± 8.1
33.0	104 ± 3.6	126 ± 4.9	175 ± 13.5	215 ± 8.5	172 ± 5.9
100.0	98 ± 7.3	126 ± 9.2	160 ± 3.8	182 ± 7.3	153 ± 7.3
333.0	98 ± 3.8	128 ± 10.1	181 ± 2.1	214 ± 4.2	157 ± 6.5
1000.0	106 ± 7.5	131 ± 5.6	176 ± 9.9	206 ± 4.8	174 ± 11.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			344 ± 21.9	367 ± 7.9	893 ± 88.4
Positive Control <sup>3</sup>	515 ± 25.1	459 ± 32.8			

Experiment Number: 849803

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Potassium chloride

CAS Number: 7447-40-7

Date Report Requested: 09/16/2018

Time Report Requested: 08:22:55

---

**Strain: TA100**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	194 ± 13.3
10.0	199 ± 2.1
33.0	223 ± 14.3
100.0	206 ± 16.0
333.0	200 ± 12.2
1000.0	204 ± 7.3
Trial Summary	Negative
Positive Control <sup>2</sup>	851 ± 76.6
Positive Control <sup>3</sup>	

Experiment Number: 849803

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Potassium chloride

CAS Number: 7447-40-7

Date Report Requested: 09/16/2018

Time Report Requested: 08:22:55

**Strain: TA1535**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Hamster S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	6 ± 0.9	6 ± 0.0	9 ± 1.2	9 ± 1.7
10.0	6 ± 0.9	5 ± 0.6	6 ± 0.6	8 ± 1.2
33.0	5 ± 0.7	5 ± 0.6	10 ± 0.3	8 ± 1.2
100.0	7 ± 1.7	5 ± 1.0	8 ± 1.9	8 ± 0.9
333.0	5 ± 1.2	6 ± 0.3	8 ± 2.2	7 ± 0.3
1000.0	6 ± 0.7	4 ± 0.9	7 ± 1.3	9 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			33 ± 8.8	50 ± 15.0
Positive Control <sup>3</sup>	611 ± 43.0	497 ± 47.8		

Experiment Number: 849803

**G06: Ames Summary Data**

Date Report Requested: 09/16/2018

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

Test Compound: Potassium chloride

Time Report Requested: 08:22:55

CAS Number: 7447-40-7

**Strain: TA1537**

<b>Dose (ug/Plate)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Hamster S9</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	6 ± 1.9	8 ± 1.2	14 ± 2.3	8 ± 0.3	9 ± 1.5
10.0	4 ± 0.7	9 ± 3.8	16 ± 1.5	9 ± 0.6	9 ± 0.7
33.0	7 ± 0.3	9 ± 0.3	14 ± 2.5	8 ± 1.8	11 ± 0.9
100.0	5 ± 0.3	12 ± 2.6	14 ± 0.6	10 ± 2.3	9 ± 1.2
333.0	4 ± 0.3	7 ± 0.9	15 ± 2.2	6 ± 1.5	8 ± 1.3
1000.0	6 ± 1.0	9 ± 0.9	16 ± 0.6	7 ± 0.6	11 ± 1.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			30 ± 0.0	54 ± 4.2	42 ± 6.9
Positive Control <sup>4</sup>	318 ± 40.7	170 ± 49.0			

Experiment Number: 849803

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

## G06: Ames Summary Data

Test Compound: Potassium chloride

CAS Number: 7447-40-7

Date Report Requested: 09/16/2018

Time Report Requested: 08:22:55

## 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>	17 ± 3.6	15 ± 1.7	30 ± 2.5	23 ± 3.7	18 ± 1.9
10.0	10 ± 1.2	12 ± 1.5	34 ± 0.7	24 ± 1.5	21 ± 2.9
33.0	13 ± 1.5	15 ± 2.3	30 ± 4.1	19 ± 2.6	21 ± 2.6
100.0	13 ± 0.7	13 ± 1.9	31 ± 4.1	20 ± 2.0	22 ± 1.8
333.0	13 ± 1.2	13 ± 1.5	27 ± 2.3	23 ± 1.2	20 ± 1.5
1000.0	11 ± 1.2	12 ± 1.2	25 ± 0.7	26 ± 4.7	17 ± 3.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>			237 ± 18.5	249 ± 3.2	681 ± 48.2
Positive Control <sup>5</sup>	375 ± 28.0	351 ± 30.8			

Experiment Number: 849803

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Potassium chloride

CAS Number: 7447-40-7

Date Report Requested: 09/16/2018

Time Report Requested: 08:22:55

---

**Strain: TA98**

---

<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	28 ± 5.0
10.0	23 ± 5.1
33.0	30 ± 1.7
100.0	31 ± 2.7
333.0	27 ± 3.8
1000.0	28 ± 0.9
Trial Summary	Negative
Positive Control <sup>2</sup>	589 ± 33.9
Positive Control <sup>5</sup>	

Experiment Number: 849803

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Potassium chloride

CAS Number: 7447-40-7

Date Report Requested: 09/16/2018

Time Report Requested: 08:22:55

**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 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

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