

Experiment Number: 813749

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

**G06: Ames Summary Data**

Test Compound: **Potassium chloride**

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

Date Report Requested: **09/15/2018**

Time Report Requested: **14:00:08**

**NTP Study Number:**

813749

**Study Result:**

Negative

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Mutagenicity****G06: Ames Summary Data**Test Compound: **Potassium chloride**CAS Number: **7447-40-7**Date Report Requested: **09/15/2018**Time Report Requested: **14:00:08****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>	127 ± 7.1	106 ± 5.2	128 ± 2.3	124 ± 10.7	114 ± 6.7
100.0	127 ± 1.7	89 ± 1.7	117 ± 5.6	95 ± 7.2	144 ± 3.3
333.0	106 ± 3.5	95 ± 4.7	123 ± 9.9	120 ± 16.7	121 ± 3.4
1000.0	122 ± 12.3	89 ± 8.0	129 ± 5.0	103 ± 8.0	123 ± 4.2
3333.0	106 ± 12.7	93 ± 17.7	117 ± 6.2	101 ± 8.4	137 ± 7.9
10000.0	115 ± 8.1	88 ± 9.5	105 ± 1.7	98 ± 8.9	128 ± 7.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	452 ± 17.6	388 ± 4.3			
Positive Control <sup>3</sup>			523 ± 23.5	351 ± 22.9	1601 ± 91.1

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	99 ± 6.4
100.0	93 ± 2.3
333.0	93 ± 4.1
1000.0	87 ± 3.0
3333.0	91 ± 6.8
10000.0	95 ± 10.3
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	1111 ± 49.2

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

**G06: Ames Summary Data**

Test Compound: **Potassium chloride**

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

Date Report Requested: **09/15/2018**

Time Report Requested: **14:00:08**

**Strain: TA1535**

<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>	40 ± 0.3	16 ± 0.3	10 ± 1.5	8 ± 0.3	12 ± 3.2
100.0	23 ± 5.2	23 ± 2.7	8 ± 3.5	6 ± 1.2	9 ± 1.9
333.0	35 ± 9.3	23 ± 3.5	9 ± 2.7	6 ± 1.2	9 ± 1.5
1000.0	25 ± 6.4	25 ± 2.3	7 ± 1.2	6 ± 0.3	11 ± 2.2
3333.0	23 ± 2.0	21 ± 3.4	7 ± 0.6	6 ± 1.2	11 ± 2.6
10000.0	31 ± 2.8	22 ± 2.8	5 ± 0.9	9 ± 2.1	12 ± 1.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	448 ± 1.0	410 ± 15.2			
Positive Control <sup>4</sup>			185 ± 3.8	168 ± 21.2	476 ± 26.5

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**G06: Ames Summary Data**

Test Compound: **Potassium chloride**

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

Date Report Requested: **09/15/2018**

Time Report Requested: **14:00:08**

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	9 ± 2.1
100.0	11 ± 2.6
333.0	8 ± 2.0
1000.0	9 ± 1.5
3333.0	7 ± 3.2
10000.0	6 ± 1.3
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>4</sup>	369 ± 20.8

Experiment Number: 813749

Test Type: **Genetic Toxicology - Bacterial  
Mutagenicity****G06: Ames Summary Data**Test Compound: **Potassium chloride**CAS Number: **7447-40-7**Date Report Requested: **09/15/2018**Time Report Requested: **14:00:08****Strain: TA1537**

<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>	9 ± 1.3	5 ± 0.3	8 ± 1.9	5 ± 1.9	5 ± 0.9
100.0	6 ± 1.2	4 ± 0.7	5 ± 0.3	7 ± 0.7	4 ± 1.5
333.0	6 ± 0.9	4 ± 0.0	8 ± 3.0	5 ± 0.3	8 ± 0.9
1000.0	4 ± 1.3	2 ± 0.0	8 ± 2.9	6 ± 0.3	7 ± 2.0
3333.0	4 ± 0.7	5 ± 1.7	6 ± 0.9	4 ± 0.0	7 ± 2.4
10000.0	7 ± 1.2	4 ± 0.6	10 ± 1.2	5 ± 1.5	7 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>4</sup>			149 ± 9.0	124 ± 11.9	316 ± 24.9
Positive Control <sup>5</sup>	137 ± 24.3	521 ± 48.1			

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**G06: Ames Summary Data**

Test Compound: **Potassium chloride**

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

Date Report Requested: **09/15/2018**

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**Strain: TA1537**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	5 ± 0.3
100.0	6 ± 1.9
333.0	5 ± 1.5
1000.0	5 ± 0.6
3333.0	5 ± 0.9
10000.0	4 ± 1.3
Trial Summary	Negative
Positive Control <sup>4</sup>	426 ± 15.5
Positive Control <sup>5</sup>	

Experiment Number: 813749

Test Type: **Genetic Toxicology - Bacterial  
Mutagenicity****G06: Ames Summary Data**Test Compound: **Potassium chloride**CAS Number: **7447-40-7**Date Report Requested: **09/15/2018**Time Report Requested: **14:00:08****Strain: TA98**

<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>	17 ± 1.7	13 ± 0.6	26 ± 3.1	20 ± 1.9	25 ± 0.3
100.0	16 ± 0.9	15 ± 3.0	29 ± 6.0	22 ± 2.8	25 ± 5.9
333.0	22 ± 2.2	13 ± 0.7	28 ± 5.8	23 ± 3.9	28 ± 2.2
1000.0	10 ± 1.7	15 ± 1.9	35 ± 2.0	28 ± 1.9	26 ± 3.8
3333.0	18 ± 0.3	13 ± 0.9	29 ± 1.2	25 ± 2.1	31 ± 4.2
10000.0	14 ± 2.5	16 ± 0.3	24 ± 3.0	25 ± 1.3	28 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>			391 ± 11.1	444 ± 76.4	1573 ± 74.7
Positive Control <sup>6</sup>	738 ± 13.0	412 ± 8.2			



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**G06: Ames Summary Data**

Test Compound: **Potassium chloride**

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

Date Report Requested: **09/15/2018**

Time Report Requested: **14:00:08**

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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 10% Hamster S9</b>
Vehicle Control <sup>1</sup>	24 ± 3.2
100.0	21 ± 0.3
333.0	23 ± 1.7
1000.0	30 ± 4.5
3333.0	31 ± 0.7
10000.0	29 ± 6.7
Trial Summary	Negative
Positive Control <sup>3</sup>	1402 ± 63.3
Positive Control <sup>6</sup>	

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#### **LEGEND**

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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 \*\***