Experiment Number: **315648**

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

G06: Ames Summary Data

Test Compound: **Potassium chloride**

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

Date Report Requested: **09/12/2018**

Time Report Requested: **09:14:08**

NTP Study Number: 315648

Study Result: Negative

Experiment Number: **315648**

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

G06: Ames Summary Data

Test Compound: **Potassium chloride**

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

Date Report Requested: **09/12/2018**

Time Report Requested: **09:14:08**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	114 ± 4.8	180 ± 7.3	132 ± 6.9	162 ± 8.4	156 ± 12.9
100.0	121 ± 0.6	187 ± 6.7	136 ± 10.7	146 ± 11.1	128 ± 11.0
333.0	118 ± 6.5	187 ± 0.9	137 ± 6.6	152 ± 8.7	139 ± 5.4
1000.0	125 ± 2.3	187 ± 11.5	137 ± 8.7	180 ± 2.8	136 ± 5.5
3333.0	131 ± 9.0	164 ± 6.1	151 ± 1.2	159 ± 4.2	132 ± 17.1
10000.0	121 ± 1.2	180 ± 11.3	137 ± 10.0	164 ± 2.3	129 ± 6.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1167 ± 28.7
Positive Control[3]			870 ± 17.9	1821 ± 113.5	
Positive Control[4]	1257 ± 25.8	1166 ± 14.8			

Experiment Number: **315648**

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

G06: Ames Summary Data

Test Compound: **Potassium chloride**

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

Date Report Requested: **09/12/2018**

Time Report Requested: **09:14:08**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	145 ± 7.2
100.0	145 ± 8.1
333.0	158 ± 4.5
1000.0	160 ± 3.2
3333.0	167 ± 6.1
10000.0	141 ± 5.8
Trial Summary	Negative
Positive Control[2]	1306 ± 89.2
Positive Control[3]	
Positive Control[4]	

Experiment Number: **315648**

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

G06: Ames Summary Data

Test Compound: **Potassium chloride**

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

Date Report Requested: **09/12/2018**

Time Report Requested: **09:14:08**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	21 ± 2.3	41 ± 10.1	8 ± 1.0	7 ± 1.5	11 ± 2.9
100.0	19 ± 1.2	37 ± 1.5	12 ± 1.8	12 ± 2.0	12 ± 1.8
333.0	16 ± 2.3	38 ± 4.4	12 ± 1.5	10 ± 3.0	10 ± 2.0
1000.0	22 ± 0.9	36 ± 2.3	11 ± 0.9	12 ± 1.2	14 ± 3.4
3333.0	19 ± 5.2	33 ± 7.0	12 ± 0.3	9 ± 1.5	7 ± 0.3
10000.0	27 ± 2.2	29 ± 5.2	11 ± 1.2	9 ± 2.9	12 ± 3.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					123 ± 6.8
Positive Control[3]			96 ± 2.6	101 ± 3.9	
Positive Control[4]	1112 ± 33.8	965 ± 44.4			

Experiment Number: **315648**

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

G06: Ames Summary Data

Test Compound: **Potassium chloride**

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

Date Report Requested: **09/12/2018**

Time Report Requested: **09:14:08**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	9 ± 1.2
100.0	14 ± 2.7
333.0	9 ± 0.9
1000.0	12 ± 0.9
3333.0	12 ± 0.9
10000.0	9 ± 2.6
Trial Summary	Negative
Positive Control[2]	131 ± 7.9
Positive Control[3]	
Positive Control[4]	

Experiment Number: **315648**

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

G06: Ames Summary Data

Test Compound: **Potassium chloride**

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

Date Report Requested: **09/12/2018**

Time Report Requested: **09:14:08**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	3 ± 1.0	10 ± 3.1	6 ± 1.2	9 ± 1.2	7 ± 1.3
100.0	5 ± 1.7	4 ± 1.9	7 ± 0.7	8 ± 0.3	9 ± 1.2
333.0	5 ± 0.3	5 ± 1.7	3 ± 1.0	14 ± 2.7	6 ± 0.7
1000.0	4 ± 1.7	6 ± 0.3	10 ± 0.9	11 ± 0.6	6 ± 1.5
3333.0	6 ± 0.3	6 ± 1.3	4 ± 1.7	8 ± 1.2	8 ± 1.9
10000.0	6 ± 0.9	9 ± 1.3	8 ± 0.9	9 ± 1.5	5 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					97 ± 6.7
Positive Control[3]			71 ± 3.7	125 ± 5.5	
Positive Control[5]	248 ± 29.5	334 ± 191.8			

Experiment Number: **315648**

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

G06: Ames Summary Data

Test Compound: **Potassium chloride**

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

Date Report Requested: **09/12/2018**

Time Report Requested: **09:14:08**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	12 ± 2.2
100.0	11 ± 2.2
333.0	10 ± 3.2
1000.0	10 ± 3.3
3333.0	10 ± 0.7
10000.0	9 ± 0.9
Trial Summary	Negative
Positive Control[2]	142 ± 4.3
Positive Control[3]	
Positive Control[5]	

Experiment Number: **315648**

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

G06: Ames Summary Data

Test Compound: **Potassium chloride**

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

Date Report Requested: **09/12/2018**

Time Report Requested: **09:14:08**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	17 ± 1.7	18 ± 0.6	27 ± 1.9	35 ± 2.9	28 ± 2.9
100.0	20 ± 2.0	21 ± 3.2	25 ± 6.3	34 ± 5.5	27 ± 2.8
333.0	17 ± 4.4	21 ± 1.3	21 ± 2.3	33 ± 6.1	27 ± 1.3
1000.0	12 ± 3.4	23 ± 2.3	21 ± 0.3	36 ± 0.9	33 ± 1.9
3333.0	15 ± 1.5	21 ± 1.9	19 ± 5.1	31 ± 1.2	29 ± 0.6
10000.0	18 ± 1.2	14 ± 1.2	25 ± 3.7	33 ± 4.1	22 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					771 ± 31.9
Positive Control[3]			484 ± 6.9	935 ± 34.2	
Positive Control[6]	1268 ± 89.7	1350 ± 76.5			

Experiment Number: **315648**

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

G06: Ames Summary Data

Test Compound: **Potassium chloride**

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

Date Report Requested: **09/12/2018**

Time Report Requested: **09:14:08**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	28 ± 3.7
100.0	31 ± 0.6
333.0	31 ± 1.5
1000.0	34 ± 4.0
3333.0	36 ± 2.0
10000.0	38 ± 3.3
Trial Summary	Negative
Positive Control[2]	793 ± 112.7
Positive Control[3]	
Positive Control[6]	

LEGEND

Values given as Mean or Mean ± 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: 0.75 ug/Plate 2-Aminoanthracene
3: 1.5 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate Sodium Azide
5: 80.0 ug/Plate 9-Aminoacridine
6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **