

Experiment Number: **A41295**

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

G06: Ames Summary Data

Test Compound: **Potassium ferricyanide**

CAS Number: **13746-66-2**

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

Time Report Requested: **21:56:24**

NTP Study Number:

A41295

Study Result:

Negative

Experiment Number: A41295

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Potassium ferricyanide
CAS Number: 13746-66-2

Date Report Requested: 09/16/2018

Time Report Requested: 21:56:24

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	113 ± 6.2	110 ± 6.1	123 ± 10.9	111 ± 2.3	134 ± 7.9
33.0					
67.0					
100.0	113 ± 6.7	100 ± 7.0	120 ± 2.3	103 ± 2.5	126 ± 5.0
333.0	91 ± 3.2	114 ± 7.0	125 ± 12.6	82 ± 1.2	115 ± 7.8
667.0					
1000.0	111 ± 1.3	125 ± 13.0	118 ± 10.4	103 ± 9.0	100 ± 6.4
3333.0	104 ± 4.3	126 ± 5.6	131 ± 8.0	95 ± 9.0	108 ± 7.0
6667.0					
10000.0	97 ± 8.4	88 ± 2.4	126 ± 7.9	104 ± 1.2	123 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					288 ± 5.0
Positive Control ³	265 ± 19.4	259 ± 11.3			
Positive Control ⁴			430 ± 35.9		
Positive Control ⁵					
Positive Control ⁶				402 ± 20.2	
Positive Control ⁷					

Experiment Number: A41295

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Potassium ferricyanide
CAS Number: 13746-66-2

Date Report Requested: 09/16/2018

Time Report Requested: 21:56:24

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	104 ± 0.0	110 ± 3.1
33.0	92 ± 0.0	
67.0	85 ± 0.0	
100.0	92 ± 0.0	79 ± 6.4
333.0	89 ± 0.0	89 ± 7.1
667.0	77 ± 0.0	
1000.0	93 ± 0.0	87 ± 6.1
3333.0	98 ± 0.0	102 ± 7.5
6667.0	110 ± 0.0	
10000.0	106 ± 0.0	90 ± 6.8
Trial Summary	Negative	Negative
Positive Control ²		
Positive Control ³		
Positive Control ⁴		
Positive Control ⁵		469 ± 49.4
Positive Control ⁶		
Positive Control ⁷	95 ± 0.0	

Experiment Number: A41295

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Potassium ferricyanide

CAS Number: 13746-66-2

Date Report Requested: 09/16/2018

Time Report Requested: 21:56:24

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ⁸				14 ± 1.7	
Vehicle Control ¹	15 ± 2.5	15 ± 2.0	14 ± 1.5		13 ± 0.7
100.0	16 ± 2.4	12 ± 3.4	10 ± 3.8	15 ± 1.9	13 ± 1.9
333.0	12 ± 1.9	12 ± 2.2	15 ± 3.0	14 ± 3.2	16 ± 2.4
1000.0	13 ± 3.5	19 ± 2.0	12 ± 2.4	15 ± 1.5	11 ± 2.6
3333.0	9 ± 2.9	6 ± 2.9	14 ± 1.3	12 ± 0.9	10 ± 0.6
10000.0	7 ± 1.2	7 ± 1.2	12 ± 0.6	16 ± 2.3	11 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					233 ± 65.7
Positive Control ³	138 ± 8.2	171 ± 12.1			
Positive Control ⁵					
Positive Control ⁶			53 ± 1.5	92 ± 17.3	

Experiment Number: A41295
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Potassium ferricyanide
CAS Number: 13746-66-2

Date Report Requested: 09/16/2018
Time Report Requested: 21:56:24

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ⁸	
Vehicle Control ¹	9 ± 1.7
100.0	9 ± 0.9
333.0	12 ± 0.9
1000.0	11 ± 2.2
3333.0	9 ± 2.3
10000.0	10 ± 1.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁵	182 ± 9.9
Positive Control ⁶	

Experiment Number: A41295

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Potassium ferricyanide
CAS Number: 13746-66-2

Date Report Requested: 09/16/2018

Time Report Requested: 21:56:24

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	115 ± 8.5	125 ± 6.8	156 ± 9.6	153 ± 12.6	199 ± 9.5
10.0					225 ± 5.4
33.0					222 ± 8.2
100.0	111 ± 5.4	126 ± 4.7	158 ± 6.4	210 ± 14.8	213 ± 22.1
333.0	116 ± 11.8	120 ± 1.8	133 ± 6.2	205 ± 25.0	214 ± 8.9
1000.0	143 ± 6.7	131 ± 18.9	153 ± 2.3	171 ± 5.5	203 ± 11.6
3333.0	125 ± 2.8	152 ± 14.7	161 ± 10.1	144 ± 26.3	
10000.0	125 ± 15.6	100 ± 8.2	190 ± 16.2	158 ± 17.5	
Trial Summary	Negative	Negative	Negative	Equivocal	Negative
Positive Control ⁴					
Positive Control ⁶			902 ± 45.8	446 ± 38.6	446 ± 33.2
Positive Control ⁹	329 ± 45.0	268 ± 24.2			

Experiment Number: A41295
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Potassium ferricyanide
CAS Number: 13746-66-2

Date Report Requested: 09/16/2018
Time Report Requested: 21:56:24

Strain: TA97

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	158 ± 6.1	144 ± 14.1
10.0		
33.0		
100.0	151 ± 12.9	129 ± 7.4
333.0	141 ± 12.9	147 ± 4.3
1000.0	137 ± 1.5	147 ± 5.0
3333.0	154 ± 5.6	100 ± 5.0
10000.0	149 ± 6.9	163 ± 25.6
Trial Summary	Negative	Negative
Positive Control ⁴	623 ± 20.5	
Positive Control ⁶		972 ± 25.8
Positive Control ⁹		

Experiment Number: A41295

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Potassium ferricyanide

CAS Number: 13746-66-2

Date Report Requested: 09/16/2018

Time Report Requested: 21:56:24

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	35 ± 4.4	30 ± 3.5	29 ± 4.8	26 ± 1.8	22 ± 1.0
100.0	29 ± 0.7	14 ± 2.9	36 ± 2.7	26 ± 3.3	22 ± 3.4
333.0	22 ± 2.1	18 ± 3.2	35 ± 1.5	27 ± 1.2	31 ± 0.9
1000.0	27 ± 1.2	17 ± 1.8	29 ± 2.1	32 ± 2.2	26 ± 4.9
3333.0	22 ± 4.6	14 ± 4.4	18 ± 5.8	24 ± 5.5	13 ± 1.3
10000.0	13 ± 1.0	22 ± 2.4	18 ± 3.5	24 ± 2.3	4 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			245 ± 42.8		280 ± 21.0
Positive Control ¹⁰	207 ± 22.5	96 ± 4.7			
Positive Control ⁵				188 ± 9.1	

Experiment Number: A41295

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Potassium ferricyanide

CAS Number: 13746-66-2

Date Report Requested: 09/16/2018

Time Report Requested: 21:56:24

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	35 ± 2.3
100.0	44 ± 2.0
333.0	33 ± 3.7
1000.0	31 ± 1.7
3333.0	25 ± 4.2
10000.0	14 ± 2.2
Trial Summary	Negative
Positive Control ²	
Positive Control ¹⁰	
Positive Control ⁵	681 ± 49.4

Experiment Number: A41295

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Potassium ferricyanide

CAS Number: 13746-66-2

Date Report Requested: 09/16/2018

Time Report Requested: 21:56:24

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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 1.0 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 10.0 ug/Plate Solvent

8: Vehicle Control: Ethyl Methane Sulfonate

9: 24.0 ug/Plate 9-Aminoacridine

10: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****