Experiment Number: **994718**

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

G06: Ames Summary Data

Test Compound: **Glutaric acid**

CAS Number: **110-94-1**

Date Report Requested: **09/18/2018**

Time Report Requested: **08:25:00**

NTP Study Number: 994718

Study Result: Negative

Experiment Number: **994718**

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

G06: Ames Summary Data

Test Compound: **Glutaric acid**

CAS Number: **110-94-1**

Date Report Requested: **09/18/2018**

Time Report Requested: **08:25:00**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	112 ± 9.2	121 ± 18.1	145 ± 9.1	134 ± 4.6	126 ± 7.0
33.0			134 ± 11.6		135 ± 6.6
100.0	115 ± 7.0	116 ± 7.9	132 ± 5.8	139 ± 8.7	114 ± 2.8
333.0	97 ± 1.3	108 ± 10.7	139 ± 8.5	138 ± 3.4	112 ± 10.4
1000.0	99 ± 13.5	94 ± 4.0	132 ± 10.8	122 ± 11.6	116 ± 6.6
3333.0	112 ± 8.3	95 ± 7.1	83 ± 6.8[s]	115 ± 12.3	97 ± 9.2[s]
6666.0		101 ± 19.0			
10000.0	17 ± 17.3[s]			101 ± 5.0[x]	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					896 ± 43.7
Positive Control[3]			366 ± 9.9		
Positive Control[4]				366 ± 19.4	
Positive Control[5]	1000 ± 39.4	778 ± 25.1			

Experiment Number: **994718**

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

G06: Ames Summary Data

Test Compound: **Glutaric acid**

CAS Number: **110-94-1**

Date Report Requested: **09/18/2018**

Time Report Requested: **08:25:00**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	134 ± 8.3
33.0	
100.0	116 ± 5.2
333.0	130 ± 15.0
1000.0	132 ± 5.0
3333.0	97 ± 5.2[s]
6666.0	
10000.0	99 ± 9.3[x]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	631 ± 21.6
Positive Control[4]	
Positive Control[5]	

Experiment Number: **994718**

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

G06: Ames Summary Data

Test Compound: **Glutaric acid**

CAS Number: **110-94-1**

Date Report Requested: **09/18/2018**

Time Report Requested: **08:25:00**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	4 ± 1.0	8 ± 2.3	8 ± 1.0	9 ± 0.3	5 ± 1.2
33.0			8 ± 2.2	10 ± 2.6	7 ± 1.2
100.0	8 ± 1.2	7 ± 0.9	8 ± 1.2	9 ± 2.0	7 ± 2.4
333.0	7 ± 1.7	4 ± 1.5	9 ± 1.5	10 ± 1.5	8 ± 1.5
1000.0	5 ± 0.6	7 ± 1.3	6 ± 1.5	7 ± 0.3	7 ± 2.7
3333.0	9 ± 0.3	4 ± 1.5	5 ± 1.2	8 ± 1.2	7 ± 0.9
6666.0	3 ± 1.2	2 ± 0.6			
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]					78 ± 4.7
Positive Control[4]			64 ± 6.4		
Positive Control[5]	1124 ± 72.4	970 ± 39.7			
Positive Control[6]				99 ± 3.0	

Experiment Number: **994718**

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

G06: Ames Summary Data

Test Compound: **Glutaric acid**

CAS Number: **110-94-1**

Date Report Requested: **09/18/2018**

Time Report Requested: **08:25:00**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	4 ± 0.3
33.0	8 ± 2.3
100.0	8 ± 2.3
333.0	8 ± 0.9
1000.0	11 ± 3.8
3333.0	8 ± 0.0
6666.0	
Trial Summary	Negative
Positive Control[3]	
Positive Control[4]	233 ± 13.3
Positive Control[5]	
Positive Control[6]	

Experiment Number: **994718**

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

G06: Ames Summary Data

Test Compound: **Glutaric acid**

CAS Number: **110-94-1**

Date Report Requested: **09/18/2018**

Time Report Requested: **08:25:00**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	178 ± 21.1	152 ± 1.2	191 ± 4.9	224 ± 9.0	175 ± 18.5
33.0			199 ± 7.2	216 ± 16.7	167 ± 8.6
100.0	174 ± 9.4	162 ± 10.0	177 ± 0.9	209 ± 17.3	180 ± 2.5
333.0	175 ± 8.3	150 ± 14.2	190 ± 5.9	223 ± 8.7	185 ± 7.4
1000.0	143 ± 4.5	154 ± 13.9	184 ± 11.3	228 ± 4.2	182 ± 13.7
3333.0	172 ± 12.1	159 ± 12.6	147 ± 8.7	207 ± 14.2	145 ± 17.4
6666.0	213 ± 7.4	167 ± 12.3			
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					402 ± 82.7
Positive Control[3]			309 ± 1.2		
Positive Control[4]				349 ± 35.1	
Positive Control[7]	385 ± 15.8	398 ± 7.5			

Experiment Number: **994718**

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

G06: Ames Summary Data

Test Compound: **Glutaric acid**

CAS Number: **110-94-1**

Date Report Requested: **09/18/2018**

Time Report Requested: **08:25:00**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	170 ± 9.1
33.0	185 ± 6.2
100.0	175 ± 8.4
333.0	181 ± 6.7
1000.0	187 ± 8.4
3333.0	170 ± 9.1
6666.0	
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	470 ± 25.1
Positive Control[4]	
Positive Control[7]	

Experiment Number: **994718**

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

G06: Ames Summary Data

Test Compound: **Glutaric acid**

CAS Number: **110-94-1**

Date Report Requested: **09/18/2018**

Time Report Requested: **08:25:00**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	20 ± 4.0	24 ± 3.8	35 ± 3.6	29 ± 4.9	25 ± 2.6
33.0			29 ± 6.0		22 ± 3.4
100.0	25 ± 7.7	19 ± 2.5	23 ± 2.5	39 ± 1.3	28 ± 5.1
333.0	25 ± 4.7	21 ± 2.2	23 ± 1.8	34 ± 5.7	21 ± 2.3
1000.0	21 ± 2.9	25 ± 0.6	18 ± 0.9	22 ± 2.2	18 ± 1.2
3333.0	20 ± 2.4	14 ± 4.1	22 ± 4.7[s]	16 ± 1.5[s]	15 ± 3.8[s]
6666.0		2 ± 2.0[s]			
10000.0	3 ± 1.8[s]			16 ± 2.3[x]	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					935 ± 75.1
Positive Control[3]			286 ± 7.8	129 ± 14.4	
Positive Control[8]	527 ± 39.1	548 ± 27.7			

Experiment Number: **994718**

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

G06: Ames Summary Data

Test Compound: **Glutaric acid**

CAS Number: **110-94-1**

Date Report Requested: **09/18/2018**

Time Report Requested: **08:25:00**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	24 ± 2.7
33.0	
100.0	22 ± 4.6
333.0	20 ± 4.4
1000.0	22 ± 3.3
3333.0	12 ± 1.5[s]
6666.0	
10000.0	15 ± 1.8[x]
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	490 ± 43.2
Positive Control[8]	

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: 0.5 ug/Plate 2-Aminoanthracene
3: 1.0 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate 2-Aminoanthracene
5: 5.0 ug/Plate Sodium Azide
6: 5.0 ug/Plate 2-Aminoanthracene
7: 50.0 ug/Plate 9-Aminoacridine
8: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity
x: Slight Toxicity and Precipitate

** END OF REPORT **