

Experiment Number: **G09076**

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

G06: Ames Summary Data

Test Compound: **Thiodiglycolic acid**

CAS Number: **123-93-3**

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

Time Report Requested: **22:58:42**

NTP Study Number:

G09076

Study Result:

Negative

Experiment Number: **G09076**
 Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

G06: Ames Summary Data
 Test Compound: **Thiodiglycolic acid**
 CAS Number: **123-93-3**

Date Report Requested: **09/15/2018**
 Time Report Requested: **22:58:42**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	120 ± 9.0	108 ± 8.7	125 ± 9.0	63 ± 7.7	112 ± 4.7
250.0	137 ± 8.0	116 ± 9.5	119 ± 2.7	69 ± 6.7	128 ± 3.2
500.0	141 ± 5.5	108 ± 2.8	116 ± 4.0	62 ± 12.4	116 ± 5.8
1500.0	140 ± 8.8	108 ± 1.5	134 ± 5.0	68 ± 3.0	123 ± 4.2
3000.0	145 ± 4.2	127 ± 9.5	127 ± 6.7	62 ± 3.5	89 ± 6.4
6000.0	88 ± 5.2	91 ± 1.8	Toxic	35 ± 8.4	0 ± 0.0 ^x
10000.0	27 ± 4.8 ^s	51 ± 21.4 ^s	Toxic	12 ± 12.0 ^x	0 ± 0.0 ^x
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	829 ± 31.3	735 ± 11.9			
Positive Control ³			2157 ± 40.0		
Positive Control ⁴				254 ± 22.6	963 ± 6.4

Experiment Number: **G09076**
Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

G06: Ames Summary Data
Test Compound: **Thiodiglycolic acid**
CAS Number: **123-93-3**

Date Report Requested: **09/15/2018**
Time Report Requested: **22:58:42**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	112 ± 8.7	100 ± 4.0	88 ± 2.9
250.0	110 ± 2.7	90 ± 7.2	108 ± 3.8
500.0	108 ± 8.5	92 ± 10.7	95 ± 1.8
1500.0	108 ± 9.0	84 ± 6.5	110 ± 9.1
3000.0	127 ± 10.8	86 ± 9.6	106 ± 16.5
6000.0	86 ± 3.5 ^P	72 ± 0.7	17 ± 12.3 ^X
10000.0	0 ± 0.0 ^X	4 ± 4.0 ^X	0 ± 0.0 ^X
Trial Summary	Negative	Negative	Negative
Positive Control ²			
Positive Control ³	4454 ± 171.8		
Positive Control ⁴		605 ± 19.6	656 ± 4.2

Experiment Number: G09076

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Thiodiglycolic acid

CAS Number: 123-93-3

Date Report Requested: 09/15/2018

Time Report Requested: 22:58:42

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	23 ± 1.7	18 ± 2.4	15 ± 0.3	23 ± 2.2	21 ± 1.5
250.0	24 ± 1.7	15 ± 1.0	20 ± 1.9	17 ± 2.3	15 ± 0.9
500.0	18 ± 4.3	13 ± 1.7	14 ± 3.5	20 ± 5.5	11 ± 0.3
1500.0	19 ± 0.7	16 ± 1.2	11 ± 1.0	17 ± 2.6	16 ± 1.5
3000.0	21 ± 1.5	17 ± 0.7	17 ± 5.3	18 ± 1.5	14 ± 1.2
6000.0	7 ± 2.0 ^s	7 ± 2.3 ^s	4 ± 0.6 ^x	6 ± 1.5 ^s	5 ± 2.6 ^x
10000.0	Toxic	Toxic	7 ± 0.9 ^x	0 ± 0.0 ^x	0 ± 0.0 ^x
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	889 ± 9.0	855 ± 25.0			
Positive Control ³			425 ± 14.9		
Positive Control ⁵				295 ± 4.2	239 ± 29.0

Experiment Number: **G09076**
Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

G06: Ames Summary Data
Test Compound: **Thiodiglycolic acid**
CAS Number: **123-93-3**

Date Report Requested: **09/15/2018**
Time Report Requested: **22:58:42**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	14 ± 1.5	16 ± 0.3	13 ± 3.2
250.0	14 ± 1.3	15 ± 1.5	13 ± 1.5
500.0	10 ± 0.9	15 ± 2.3	17 ± 1.2
1500.0	11 ± 2.7	17 ± 1.5	12 ± 1.3
3000.0	11 ± 0.9	21 ± 1.8	12 ± 3.1
6000.0	10 ± 1.2 ^p	15 ± 0.7 ^p	9 ± 2.9 ^p
10000.0	5 ± 0.3 ^x	14 ± 4.2 ^p	Toxic
Trial Summary	Negative	Negative	Negative
Positive Control ²			
Positive Control ³	286 ± 13.9		
Positive Control ⁵		231 ± 40.6	240 ± 18.4

Experiment Number: **G09076**
Test Type: **Genetic Toxicology - Bacterial Mutagenicity**

G06: Ames Summary Data
Test Compound: **Thiodiglycolic acid**
CAS Number: **123-93-3**

Date Report Requested: **09/15/2018**
Time Report Requested: **22:58:42**

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: Distilled Water

2: 1.0 ug/Plate Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 20.0 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate 2-Aminoanthracene

p: Precipitate

s: Slight Toxicity

x: Slight Toxicity and Precipitate

**** END OF REPORT ****