

Experiment Number: 407611

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

G06: Ames Summary Data

Test Compound: **Ethanolamine**

CAS Number: 141-43-5

Date Report Requested: **09/14/2018**

Time Report Requested: **22:36:22**

NTP Study Number:

407611

Study Result:

Negative

Experiment Number: 407611

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Ethanolamine

CAS Number: 141-43-5

Date Report Requested: 09/14/2018

Time Report Requested: 22:36:22

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	92 ± 3.5	95 ± 3.3	116 ± 7.0	104 ± 1.9	114 ± 4.9
100.0	87 ± 3.5	90 ± 0.7	105 ± 7.0	112 ± 4.2	102 ± 1.8
333.0	91 ± 2.6	86 ± 7.1	94 ± 4.3	105 ± 8.4	87 ± 5.6
1000.0	90 ± 1.7	81 ± 1.2	91 ± 6.6	106 ± 6.7	73 ± 4.5
3333.0	92 ± 1.2	77 ± 2.4	97 ± 5.5	97 ± 6.4	64 ± 1.5
10000.0	34 ± 5.6	29 ± 8.1	54 ± 3.0	84 ± 8.1	26 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1977 ± 63.6	2205 ± 35.2	2128 ± 69.3
Positive Control ³	241 ± 16.5	384 ± 20.4			

Experiment Number: 407611
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Ethanolamine
CAS Number: 141-43-5

Date Report Requested: 09/14/2018
Time Report Requested: 22:36:22

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	124 ± 10.4
100.0	123 ± 7.1
333.0	121 ± 5.0
1000.0	123 ± 4.3
3333.0	116 ± 5.8
10000.0	71 ± 4.6
Trial Summary	Negative
Positive Control ²	2285 ± 33.2
Positive Control ³	

Experiment Number: 407611

Test Type: Genetic Toxicology - Bacterial
Mutagenicity**G06: Ames Summary Data**

Test Compound: Ethanolamine

CAS Number: 141-43-5

Date Report Requested: 09/14/2018

Time Report Requested: 22:36:22

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	5 ± 0.9	7 ± 0.9	6 ± 0.9	10 ± 1.2	4 ± 0.6
33.0		7 ± 1.2		7 ± 1.0	
100.0	2 ± 0.0	6 ± 1.2	3 ± 0.6	8 ± 1.2	3 ± 0.9
333.0	2 ± 0.6	4 ± 0.6	1 ± 0.3	9 ± 1.8	3 ± 0.6
1000.0	2 ± 0.6	3 ± 0.3	3 ± 0.3	7 ± 0.3	2 ± 0.6
3333.0	2 ± 0.6	1 ± 0.6	1 ± 0.7	2 ± 1.2	2 ± 0.7
10000.0	0 ± 0.0		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			663 ± 148.6		302 ± 112.0
Positive Control ⁴				36 ± 8.4	
Positive Control ³	48 ± 2.7	98 ± 6.1			

Experiment Number: 407611

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Ethanolamine

CAS Number: 141-43-5

Date Report Requested: 09/14/2018

Time Report Requested: 22:36:22

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 0.7
33.0	10 ± 0.3
100.0	11 ± 2.4
333.0	9 ± 1.3
1000.0	7 ± 1.5
3333.0	3 ± 0.7
10000.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	149 ± 30.0
Positive Control ³	

Experiment Number: 407611

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Ethanolamine

CAS Number: 141-43-5

Date Report Requested: 09/14/2018

Time Report Requested: 22:36:22

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	4 ± 0.6	3 ± 0.9	7 ± 0.3	6 ± 0.7	7 ± 1.9
10.0		2 ± 0.9			
33.0		2 ± 0.9		5 ± 1.7	
100.0	2 ± 1.5	2 ± 0.9	6 ± 0.9	7 ± 0.9	7 ± 0.9
333.0	2 ± 0.7	2 ± 0.3	4 ± 1.8	5 ± 1.2	5 ± 1.5
1000.0	1 ± 0.7	2 ± 0.9	5 ± 1.2	5 ± 1.9	6 ± 2.2
3333.0	0 ± 0.0		2 ± 0.7	1 ± 0.6	0 ± 0.3
10000.0	0 ± 0.0		0 ± 0.0		0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			102 ± 13.0		119 ± 7.9
Positive Control ⁴				34 ± 8.6	
Positive Control ⁵	63 ± 6.3	536 ± 230.9			

Experiment Number: 407611

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Ethanolamine

CAS Number: 141-43-5

Date Report Requested: 09/14/2018

Time Report Requested: 22:36:22

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	10 ± 1.7
10.0	
33.0	6 ± 1.7
100.0	4 ± 1.5
333.0	7 ± 1.0
1000.0	6 ± 0.3
3333.0	0 ± 0.3
10000.0	
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	153 ± 41.4
Positive Control ⁵	

Experiment Number: 407611
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Ethanolamine
CAS Number: 141-43-5

Date Report Requested: 09/14/2018
Time Report Requested: 22:36:22

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	9 ± 1.0	15 ± 4.9	15 ± 2.9	21 ± 3.5	20 ± 2.0
33.0		18 ± 3.0		19 ± 0.6	
100.0	5 ± 0.7	15 ± 2.7	10 ± 0.3	17 ± 0.3	15 ± 0.9
333.0	7 ± 0.9	16 ± 0.9	9 ± 0.9	17 ± 2.3	12 ± 2.5
1000.0	6 ± 0.3	18 ± 0.9	13 ± 3.2	17 ± 1.5	10 ± 1.7
3333.0	7 ± 1.2	12 ± 2.0	7 ± 1.5	13 ± 1.5	11 ± 0.3
10000.0	0 ± 0.0		0 ± 0.3		1 ± 0.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1684 ± 52.0	2081 ± 44.7	1865 ± 68.4
Positive Control ⁶	737 ± 75.0	270 ± 25.0			

Experiment Number: 407611

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

G06: Ames Summary Data

Test Compound: **Ethanolamine**

CAS Number: 141-43-5

Date Report Requested: 09/14/2018

Time Report Requested: 22:36:22

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	27 ± 2.4
33.0	21 ± 1.2
100.0	23 ± 1.9
333.0	18 ± 5.4
1000.0	17 ± 2.0
3333.0	12 ± 3.7
10000.0	
Trial Summary	Negative
Positive Control ²	1985 ± 18.2
Positive Control ⁶	

Experiment Number: 407611

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

G06: Ames Summary Data

Test Compound: **Ethanolamine**

CAS Number: 141-43-5

Date Report Requested: 09/14/2018

Time Report Requested: 22:36:22

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: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 3.3 ug/Plate 2-Aminoanthracene

5: 33.0 ug/Plate 9-Aminoacridine

6: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****