

Experiment Number: 326815

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Acrolein

CAS Number: 107-02-8

Date Report Requested: 09/12/2018

Time Report Requested: 15:51:08

NTP Study Number:

326815

Study Result:

Negative

Experiment Number: 326815

G06: Ames Summary Data

Date Report Requested: 09/12/2018

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

Time Report Requested: 15:51:08

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 5% Rat S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	127 ± 17.1	85 ± 5.3	104 ± 8.5	114 ± 7.8	143 ± 7.3
0.01		90 ± 5.2			
0.03		95 ± 11.0			
0.1	141 ± 19.7	98 ± 4.4			
0.3	148 ± 4.0	84 ± 1.9			
1.0	155 ± 8.5	80 ± 4.2	98 ± 11.0	130 ± 4.3	167 ± 7.9
3.0	143 ± 29.8		113 ± 12.2	120 ± 7.4	150 ± 2.5
6.0	117 ± 39.1 ^s		112 ± 5.1	116 ± 9.2	159 ± 10.0
10.0			106 ± 5.3	101 ± 2.3	150 ± 4.8
16.0			108 ± 10.3	110 ± 14.3	157 ± 13.0
33.0					
66.0					
100.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³			636 ± 66.8	361 ± 21.5	
Positive Control ⁴					405 ± 1.5
Positive Control ⁵	906 ± 6.0	390 ± 21.9			

Experiment Number: 326815

G06: Ames Summary Data

Date Report Requested: 09/12/2018

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

Time Report Requested: 15:51:08

Strain: TA100

Dose (ug/Plate)	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	143 ± 14.5	105 ± 4.8	121 ± 8.7	115 ± 7.6	133 ± 2.5
0.01					
0.03					
0.1					
0.3					
1.0	134 ± 5.1	114 ± 16.5	120 ± 3.2	127 ± 14.7	134 ± 4.4
3.0	120 ± 5.8	105 ± 8.5	110 ± 1.5	130 ± 7.5	121 ± 2.7
6.0	147 ± 4.1	114 ± 6.6	95 ± 8.4	130 ± 3.2	121 ± 5.7
10.0	133 ± 3.2	97 ± 3.5	106 ± 12.6	125 ± 6.1	105 ± 6.6
16.0	131 ± 4.7	99 ± 1.5	94 ± 7.1	129 ± 6.4	126 ± 7.5
33.0					
66.0					
100.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²		671 ± 78.1	799 ± 40.3		
Positive Control ³				595 ± 47.8	491 ± 55.5
Positive Control ⁴	398 ± 3.2				
Positive Control ⁵					

Experiment Number: 326815

Test Type: Genetic Toxicology - Bacterial Mutagenicity

G06: Ames Summary Data

Test Compound: Acrolein

CAS Number: 107-02-8

Date Report Requested: 09/12/2018

Time Report Requested: 15:51:08

Strain: TA1535

Dose (ug/Plate)	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	16 ± 3.4	12 ± 0.9
1.0	12 ± 0.7	7 ± 1.5
3.0	10 ± 1.5	6 ± 2.0
6.0	12 ± 1.5	8 ± 0.3
10.0	8 ± 1.9	9 ± 1.3
16.0	10 ± 1.3	6 ± 1.5
Trial Summary	Negative	Negative
Positive Control ⁴		209 ± 6.4
Positive Control ⁶	79 ± 2.7	

Experiment Number: 326815

Test Type: Genetic Toxicology - Bacterial Mutagenicity

G06: Ames Summary Data

Test Compound: Acrolein

CAS Number: 107-02-8

Date Report Requested: 09/12/2018

Time Report Requested: 15:51:08

Strain: TA1538

Dose (ug/Plate)	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	12 ± 2.4	12 ± 3.8
1.0	11 ± 1.2	13 ± 3.4
3.0	13 ± 1.9	10 ± 1.5
6.0	11 ± 1.8	10 ± 1.8
10.0	11 ± 1.5	13 ± 3.1
16.0	9 ± 0.7	12 ± 3.8
Trial Summary	Negative	Negative
Positive Control ³	122 ± 13.0	518 ± 61.1

Experiment Number: 326815

G06: Ames Summary Data

Date Report Requested: 09/12/2018

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

Time Report Requested: 15:51:08

CAS Number: 107-02-8

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 5% Rat S9	With 10% Rat S9	With 30% Rat S9
Vehicle Control ¹	16 ± 3.8	18 ± 1.3	30 ± 1.5	26 ± 1.9	23 ± 2.2
0.01	26 ± 1.2	14 ± 3.5			
0.03	34 ± 3.4	16 ± 2.9			
0.1	26 ± 1.2	24 ± 3.3			
0.3	23 ± 1.0	18 ± 3.9			
1.0	33 ± 4.4	18 ± 1.8	24 ± 4.4	24 ± 0.6	14 ± 1.2
3.0			24 ± 2.0	27 ± 2.1	19 ± 5.9
6.0			22 ± 3.4	23 ± 1.8	14 ± 2.7
10.0			27 ± 2.6	26 ± 1.3	12 ± 1.9
16.0			26 ± 1.2	22 ± 3.5	15 ± 2.1
33.0					
66.0					
100.0					
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³			537 ± 90.3	277 ± 29.2	152 ± 12.3
Positive Control ⁷	575 ± 17.3	472 ± 41.9			

Experiment Number: 326815

G06: Ames Summary Data

Date Report Requested: 09/12/2018

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

Time Report Requested: 15:51:08

CAS Number: 107-02-8

Strain: TA98

Dose (ug/Plate)	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	29 ± 6.1	32 ± 3.8	20 ± 4.0	24 ± 4.4	35 ± 2.9
0.01					
0.03					
0.1					
0.3					
1.0	23 ± 3.8	24 ± 2.3	21 ± 1.5	16 ± 1.8	24 ± 2.6
3.0	22 ± 3.1	27 ± 0.6	23 ± 2.2	18 ± 1.2	22 ± 3.4
6.0	18 ± 4.4	28 ± 2.3	22 ± 3.5	23 ± 1.7	22 ± 3.8
10.0	23 ± 3.4	29 ± 1.2	23 ± 2.7	19 ± 1.0	29 ± 5.9
16.0	20 ± 2.6	26 ± 2.9	26 ± 1.9	24 ± 7.8	34 ± 1.2
33.0					
66.0					
100.0					
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²		731 ± 41.5	603 ± 18.8		
Positive Control ³	107 ± 3.8			502 ± 19.0	234 ± 24.2
Positive Control ⁷					

Experiment Number: 326815

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

G06: Ames Summary Data

Test Compound: **Acrolein**

CAS Number: **107-02-8**

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

Time Report Requested: **15:51:08**

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: 0.5 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: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****