

Experiment Number: A14153

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

G06: Ames Summary Data

Test Compound: **Aziridine**

CAS Number: **151-56-4**

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

Time Report Requested: **01:07:58**

NTP Study Number:

A14153

Study Result:

Positive

Experiment Number: A14153

G06: Ames Summary Data

Date Report Requested: 09/16/2018

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: Aziridine

Time Report Requested: 01:07:58

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9
Vehicle Control ¹	112 ± 0.0	101 ± 7.5	97 ± 8.7	112 ± 6.7	103 ± 2.3
0.3			91 ± 14.0		108 ± 8.4
1.0			113 ± 4.4		169 ± 3.8
3.0	182 ± 57.2		158 ± 6.7		254 ± 9.6
10.0	271 ± 96.8	376 ± 7.2	314 ± 7.8	515 ± 10.4	451 ± 25.6
33.0	441 ± 116.4	535 ± 9.3	553 ± 2.8	502 ± 158.8	708 ± 12.3
100.0	533 ± 22.5	628 ± 34.0		704 ± 5.5	
333.0	732 ± 64.9	693 ± 11.6		723 ± 25.1	
1000.0	795 ± 0.0	707 ± 10.7		806 ± 55.8	
3333.0	61 ± 0.0				
10000.0	Toxic				
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					
Positive Control ³	808 ± 19.2	858 ± 23.8	912 ± 26.7		
Positive Control ⁴				689 ± 12.4	719 ± 13.7

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	105 ± 6.4
0.3	
1.0	
3.0	
10.0	529 ± 4.7
33.0	701 ± 14.7
100.0	721 ± 6.8
333.0	779 ± 13.2
1000.0	822 ± 22.3
3333.0	
10000.0	
Trial Summary	Positive
Positive Control ²	734 ± 20.2
Positive Control ³	
Positive Control ⁴	

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	22 ± 2.3	22 ± 1.3	26 ± 1.2
10.0	20 ± 3.9	21 ± 4.0	25 ± 1.5
33.0	21 ± 3.8	20 ± 3.0	27 ± 3.5
100.0	22 ± 4.5	20 ± 1.0	31 ± 3.5
333.0	26 ± 3.7	31 ± 0.6	27 ± 4.2
1000.0	22 ± 3.0 ^s	25 ± 3.0 ^s	31 ± 0.6
Trial Summary	Negative	Negative	Negative
Positive Control ²			892 ± 36.8
Positive Control ⁵	686 ± 31.5		
Positive Control ⁴		911 ± 24.7	

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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: 2.0 ug/Plate 2-Aminoanthracene

3: 5.0 ug/Plate Sodium Azide

4: 5.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****