

Experiment Number: A02219

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: AZT/3TC/NLFR combination

CAS Number: AIDSNLFRCOMB

Date Report Requested: 09/15/2018

Time Report Requested: 11:23:04

NTP Study Number:

A02219

Study Result:

Negative

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Strain: TA100				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	54 ± 5.4	74 ± 4.1	44 ± 2.7	81 ± 4.6
31.25		61 ± 3.8		
62.5		60 ± 6.9		
100.0	32 ± 1.2			
125.0		54 ± 5.7		
250.0		54 ± 2.0		
500.0	28 ± 2.3	62 ± 6.9		
1000.0			55 ± 2.9	94 ± 4.9
1500.0	9 ± 0.9 ^x			
2500.0	13 ± 2.8 ^x		41 ± 5.7	62 ± 9.4
3500.0	1 ± 0.6 ^x			
5000.0			36 ± 5.0 ^p	44 ± 4.1 ^p
7500.0			30 ± 2.6 ^p	43 ± 2.6 ^p
10000.0			16 ± 1.2 ^p	44 ± 3.3 ^p
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	422 ± 6.7	535 ± 83.6		
Positive Control ³			772 ± 51.7	592 ± 32.3

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	18 ± 3.8	22 ± 2.0	17 ± 1.2	23 ± 2.2
31.25		21 ± 4.1		
62.5		21 ± 2.3		
100.0	16 ± 1.5			
125.0		25 ± 3.2		
250.0		24 ± 3.5		
500.0	13 ± 1.7	22 ± 2.9		
1000.0			17 ± 2.1	31 ± 5.2
1500.0	8 ± 1.0 ^P			
2500.0	5 ± 1.5 ^X		17 ± 0.3	18 ± 3.2
3500.0	0 ± 0.3 ^X			
5000.0	0 ± 0.0 ^X		21 ± 2.1	22 ± 1.8
7500.0			13 ± 1.3 ^P	19 ± 2.3 ^P
10000.0			6 ± 1.2 ^X	11 ± 2.0 ^P
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			1211 ± 15.3	882 ± 59.6
Positive Control ⁴	654 ± 17.4	625 ± 9.2		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	141 ± 7.1	123 ± 6.7	142 ± 5.6	182 ± 9.0
31.25		124 ± 10.6		
62.5		120 ± 9.6		
100.0	166 ± 6.9			
108.0			103 ± 2.7	
125.0		121 ± 10.4		
250.0		131 ± 13.1		
500.0	145 ± 7.2	133 ± 9.4		
1000.0			160 ± 7.5	198 ± 11.5
1500.0	76 ± 6.2			
2500.0	24 ± 3.4 ^s		141 ± 14.0	228 ± 10.7
3500.0	8 ± 1.5 ^s			
5000.0	Toxic		116 ± 5.4	221 ± 14.9
7500.0			116 ± 3.6 ^p	260 ± 18.3 ^p
10000.0				113 ± 2.4 ^p
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵			823 ± 43.0	1181 ± 38.3
Positive Control ⁶	1666 ± 163.4	1917 ± 76.0		

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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: Dimethyl Sulfoxide

2: 1.0 ug/Plate Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Nitrofluorene

5: 20.0 ug/Plate 2-Aminoanthracene

6: 4000.0 ug/Plate Methyl Methane Sulfonate

p: Precipitate

s: Slight Toxicity

x: Slight Toxicity and Precipitate

** END OF REPORT **