

Experiment Number: A55965

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

G06: Ames Summary Data

Test Compound: **3TC (AIDS initiative)**

CAS Number: 134678-17-4

Date Report Requested: **09/17/2018**

Time Report Requested: **08:29:54**

NTP Study Number:

A55965

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	127 ± 9.8	73 ± 6.6	70 ± 4.0	70 ± 8.7
50.0	156 ± 2.3	70 ± 2.3	65 ± 7.7	68 ± 6.2
100.0	165 ± 0.6	64 ± 7.6	65 ± 8.4	53 ± 2.7
500.0	135 ± 5.2	70 ± 4.3	63 ± 6.4	48 ± 8.6
1000.0	131 ± 2.4	53 ± 1.8	51 ± 2.2	55 ± 9.3
2000.0	93 ± 2.9	18 ± 5.7	59 ± 5.7	39 ± 4.4
3500.0	15 ± 2.3 ^p	0 ± 0.3 ^x	46 ± 10.8	34 ± 9.2
5000.0	0 ± 0.0 ^x	3 ± 2.2	34 ± 3.8	5 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	380 ± 10.4	361 ± 11.1		
Positive Control ³			1091 ± 11.0	1210 ± 20.0

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	27 ± 0.9	25 ± 1.0	27 ± 0.3	23 ± 2.0
50.0	28 ± 0.9	31 ± 2.4	24 ± 2.3	26 ± 3.7
100.0	25 ± 1.5	30 ± 3.2	25 ± 0.7	28 ± 2.1
500.0	23 ± 2.4	25 ± 3.7	24 ± 2.0	22 ± 4.3
1000.0	23 ± 1.8	24 ± 2.3	21 ± 3.2	24 ± 2.3
2000.0	14 ± 1.2	15 ± 1.8	17 ± 0.6	26 ± 2.2
3500.0	Toxic	5 ± 1.5	3 ± 0.9	14 ± 1.2
5000.0	Toxic	Toxic	3 ± 1.2	4 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			517 ± 23.6	1196 ± 111.9
Positive Control ⁴	235 ± 28.4	250 ± 15.9		

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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	197 ± 8.5	212 ± 25.3	265 ± 11.0	222 ± 6.4
50.0	146 ± 1.2	154 ± 10.2	236 ± 1.2	185 ± 10.9
100.0	153 ± 7.5	171 ± 5.7	230 ± 3.1	183 ± 5.9
500.0	179 ± 1.8	182 ± 7.2	116 ± 4.6	173 ± 3.7
1000.0	151 ± 1.8	151 ± 4.1	91 ± 3.5	161 ± 15.4
2000.0	39 ± 2.4	52 ± 11.6	67 ± 7.0	115 ± 4.4
3500.0	13 ± 1.8	21 ± 3.7	37 ± 3.7	48 ± 20.1
5000.0	5 ± 1.3	23 ± 4.8	31 ± 1.8	4 ± 1.8
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵			693 ± 13.5	902 ± 29.9
Positive Control ⁶	1421 ± 69.9	1843 ± 51.5		

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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

x: Slight Toxicity and Precipitate

**** END OF REPORT ****