

Experiment Number: **G00048**

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

G06: Ames Summary Data

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

CAS Number: **134678-17-4**

Date Report Requested: **09/15/2018**

Time Report Requested: **17:53:01**

NTP Study Number:

G00048

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	120 ± 6.3	89 ± 3.5	118 ± 8.3	90 ± 2.1
12.5	113 ± 14.7	85 ± 5.2	135 ± 9.2	84 ± 4.7
50.0	130 ± 7.9	87 ± 3.0	136 ± 1.5	97 ± 11.1
125.0	128 ± 11.4	89 ± 2.3	119 ± 3.5	82 ± 7.3
500.0	112 ± 1.2	100 ± 7.2	132 ± 10.3	88 ± 3.7
1500.0	114 ± 6.8	78 ± 2.7	127 ± 4.7	84 ± 2.3
6000.0	120 ± 4.5	87 ± 6.7	128 ± 5.8	88 ± 8.7
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	843 ± 35.0	494 ± 11.5		
Positive Control ³			2573 ± 79.9	1060 ± 115.1

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	25 ± 2.9	22 ± 1.9	29 ± 2.9	40 ± 5.5
12.5	21 ± 1.8	21 ± 1.9	29 ± 3.7	37 ± 1.0
50.0	22 ± 4.5	23 ± 3.6	23 ± 8.3	31 ± 2.4
125.0	22 ± 1.2	20 ± 4.0	32 ± 5.6	32 ± 4.7
500.0	27 ± 1.8	25 ± 3.8	31 ± 2.4	34 ± 2.4
1500.0	23 ± 3.6	28 ± 4.8	33 ± 5.7	39 ± 3.2
6000.0	25 ± 1.5	25 ± 4.4	36 ± 0.9	44 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			826 ± 40.0	822 ± 3.2
Positive Control ⁵	470 ± 26.2	510 ± 27.6		

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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	224 ± 18.2	210 ± 7.6	262 ± 22.0	246 ± 20.8
12.5	184 ± 6.2	192 ± 4.6	222 ± 1.8	240 ± 4.9
50.0	204 ± 8.3	216 ± 1.9	234 ± 12.8	246 ± 20.2
125.0	214 ± 9.2	217 ± 9.0	255 ± 10.0	263 ± 14.0
500.0	195 ± 9.8	190 ± 4.8	239 ± 16.6	251 ± 9.6
1500.0	205 ± 5.2	203 ± 6.1	254 ± 4.9	260 ± 11.8
6000.0	215 ± 8.0	221 ± 5.6	269 ± 9.8	259 ± 5.4
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶			1181 ± 71.8	1246 ± 41.6
Positive Control ⁷	1020 ± 68.5	1316 ± 39.6		

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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: Distilled Water
- 2: 1.0 ug/Plate Sodium Azide
- 3: 2.5 ug/Plate 2-Aminoanthracene
- 4: 1.0 ug/Plate 2-Aminoanthracene
- 5: 3.0 ug/Plate 2-Nitrofluorene
- 6: 20.0 ug/Plate 2-Aminoanthracene
- 7: 100.0 ug/Plate Methyl Methane Sulfonate

**** END OF REPORT ****