

Experiment Number: **G18033B**

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

**G06: Ames Summary Data**

Test Compound: **Hi-Yield KILLZALL II**

CAS Number: **KILLZALL**

Date Report Requested: **08/17/2021**

Time Report Requested: **17:08:21**

**NTP Study Number:**

G18033B

**Study Result:**

Negative

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CAS Number: KILLZALL

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## Strain: TA100

Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	94.3 ± 3.8	80.3 ± 5.9	91.3 ± 1.2	100.3 ± 6.7
1:1600	103.7 ± 7.8	96.3 ± 2.0	105 ± 12.5	108.7 ± 8.2
1:800	99.3 ± 10.9	87 ± 7.5	96 ± 2.6	96.3 ± 8.8
1:400	100.7 ± 5.6	80 ± 5.9	97.7 ± 5.2	100.7 ± 2.7
1:200	62 ± 6.1	60.3 ± 5.8	97.7 ± 2.6	98 ± 4.2
1:100	0 ± 0.0	29.3 ± 19.8	80.7 ± 4.1	88.3 ± 2.2
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	603 ± 6.1	452 ± 31.8		
Positive Control <sup>3</sup>			760.3 ± 24.4	879 ± 134.2

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**Strain: TA1535**

<b>Dose (dilution)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	13 ± 0.6	10.7 ± 1.5	12.3 ± 1.9	12 ± 2.0
1:1600	17.3 ± 2.2	12.7 ± 0.9	10 ± 2.0	11.3 ± 1.8
1:800	15 ± 4.0	10 ± 0.6	10.3 ± 1.7	10.3 ± 0.3
1:400	14 ± 1.2	11 ± 1.0	11 ± 0.6	15 ± 1.5
1:200	7.7 ± 0.9	10.7 ± 1.2	8.3 ± 3.0	16.3 ± 3.3
1:100	11.7 ± 1.2	9 ± 1.7	14.3 ± 3.2	6.3 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>	657 ± 34.9	497.3 ± 17.3		
Positive Control <sup>4</sup>			204.3 ± 20.2	244.7 ± 17.0

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## Strain: TA97a

Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control <sup>1</sup>	123.3 ± 18.9	128 ± 17.5	168.7 ± 6.7	157.3 ± 7.1
1:1600	111 ± 10.2	120.7 ± 7.1	186.3 ± 2.8	181.7 ± 5.8
1:800	110.7 ± 6.7	111.7 ± 5.5	182.3 ± 4.7	182 ± 10.4
1:400	122 ± 7.4	73.3 ± 4.9	189 ± 18.2	167 ± 6.6
1:200	72.7 ± 8.3	66.7 ± 7.2	175.7 ± 4.2	158 ± 10.0
1:100	0 ± 0.0	33.7 ± 23.5	177.7 ± 3.5	173.3 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>5</sup>	2139 ± 74.0	3023.3 ± 326.0		
Positive Control <sup>4</sup>			1490.3 ± 148.5	1265.7 ± 44.6

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**Strain: TA98**

<b>Dose (dilution)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	24.3 ± 1.5	62.3 ± 13.6	27.7 ± 1.7	43.7 ± 4.2
1:1600	25.3 ± 1.3	61.7 ± 2.7	31.7 ± 3.0	58.7 ± 2.8
1:800	26.3 ± 2.7	63 ± 15.5	38 ± 1.0	56.3 ± 3.4
1:400	28.7 ± 2.2	52 ± 6.7	31.3 ± 3.8	46.7 ± 4.8
1:200	11.7 ± 0.9	18.7 ± 1.2	31.7 ± 1.9	35.3 ± 6.8
1:100	14.7 ± 3.5	9.3 ± 0.9	30.3 ± 3.8	43 ± 2.1
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>6</sup>			1588.3 ± 57.3	1991 ± 42.5
Positive Control <sup>7</sup>	607 ± 85.0	408.3 ± 19.9		

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**Strain: E. coli WP2 uvrA pKM101**

<b>Dose (dilution)</b>	<b>Without S9</b>	<b>Without S9</b>	<b>With 10% Rat S9</b>	<b>With 10% Rat S9</b>
Vehicle Control <sup>1</sup>	115 ± 9.5	142.7 ± 11.6	127.7 ± 6.2	199.7 ± 6.0
1:1600	137.3 ± 7.8	159.3 ± 4.1	130 ± 7.9	202.7 ± 10.9
1:800	111.3 ± 2.8	155.3 ± 1.9	160.7 ± 6.7	184 ± 12.3
1:400	125 ± 7.6	123.3 ± 4.4	128 ± 2.1	191 ± 5.7
1:200	125.7 ± 1.8	121.7 ± 2.0	153.7 ± 18.0	203 ± 11.3
1:100	114 ± 8.5	111 ± 9.1	163 ± 2.5	221 ± 13.6
Trial Summary	Negative	Negative	Negative	Negative
Positive Control <sup>8</sup>	2680.7 ± 135.5	2412.7 ± 208.6		
Positive Control <sup>9</sup>			1009.7 ± 53.5	1281 ± 37.4

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## LEGEND

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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

The S9 fraction refers to the liver unless otherwise indicated

1: Vehicle Control: Water

2: 1 ug/plate Sodium Azide

3: 2 ug/plate Benzo[a]pyrene

4: 2.5 ug/plate 2-Aminoanthracene

5: 0.25 ug/plate ICR191

6: 2 ug/plate 2-Aminoanthracene

7: 3 ug/plate 2-Nitrofluorene

8: 0.25 ug/plate 4-Nitroquinoline-N-oxide

9: 20 ug/plate 2-Aminoanthracene

\*\* END OF REPORT \*\*