

Experiment Number: **G18027B**

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

G06: Ames Summary Data

Test Compound: **Roundup Custom**

CAS Number: **ROUNDUPCUSTOM**

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

Time Report Requested: **16:50:13**

NTP Study Number:

G18027B

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	95.7 ± 9.2	136.3 ± 3.7	85.3 ± 7.5	109.7 ± 5.8
1:1600	96 ± 3.6	162 ± 4.5	112.7 ± 11.9	121.3 ± 5.5
1:800	101.7 ± 6.4	119 ± 10.6	100.7 ± 2.7	123 ± 6.2
1:400	113.7 ± 20.9	130.3 ± 5.5	108 ± 2.6	125.3 ± 2.7
1:200	91.7 ± 2.7	122 ± 14.8	85.7 ± 4.1	133.7 ± 4.2
1:100	84.3 ± 8.0	100.3 ± 7.7	93.3 ± 14.9	116.7 ± 3.9
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	700.3 ± 10.6	479.7 ± 7.3		
Positive Control ³			782 ± 13.0	930.7 ± 47.1

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Strain: TA1535

Dose (ug/plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	18.3 ± 1.9	18.3 ± 2.2	10.7 ± 1.3	16 ± 4.0
1:1600	10.3 ± 2.2	14.3 ± 2.3	11.3 ± 4.8	27.3 ± 5.8
1:800	9.7 ± 0.7	16 ± 3.1	14 ± 2.5	14.7 ± 1.3
1:400	15 ± 3.6	15.7 ± 2.3	10 ± 1.7	18 ± 1.5
1:200	8.3 ± 1.9	9.7 ± 0.9	11.3 ± 1.7	8.7 ± 2.2
1:100	8.7 ± 1.8	10.3 ± 5.5	11 ± 1.0	16.3 ± 2.7
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	579.3 ± 6.1	356 ± 15.5		
Positive Control ⁴			268.7 ± 10.1	322.7 ± 76.1

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Strain: TA97a				
Dose (ug/plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	141 ± 17.1	113.3 ± 10.2	159 ± 4.6	58.3 ± 13.7
1:1600	117 ± 8.9	90.3 ± 11.3	192.3 ± 18.2	91.3 ± 3.0
1:800	132.7 ± 5.8	96.3 ± 6.2	176 ± 9.6	88.3 ± 3.7
1:400	116.7 ± 4.4	81.3 ± 7.7	174.3 ± 4.1	25.7 ± 5.9
1:200	85.3 ± 3.2	109 ± 5.0	163 ± 5.5	38.7 ± 2.8
1:100	80.7 ± 4.5	102.7 ± 7.8	128.3 ± 4.3	41.7 ± 9.7
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵	2747.3 ± 46.9	2239.3 ± 86.7		
Positive Control ⁴			1903.3 ± 43.3	975.3 ± 23.7

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Strain: TA98				
Dose (ug/plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	43.7 ± 2.9	19.3 ± 1.9	60 ± 8.7	22 ± 2.9
1:1600	38.3 ± 2.3	21 ± 6.0	48 ± 2.6	26.7 ± 5.5
1:800	48.3 ± 1.5	22.7 ± 3.7	42.7 ± 2.0	27.3 ± 3.0
1:400	39.3 ± 4.9	19 ± 4.2	46.7 ± 3.0	36 ± 6.1
1:200	44 ± 6.7	23 ± 3.1	47 ± 4.0	27.7 ± 1.9
1:100	34.3 ± 4.1	15.3 ± 5.9	41.3 ± 1.8	22.3 ± 3.3
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶			1951.7 ± 180.9	2558.3 ± 193.8
Positive Control ⁷	383.3 ± 6.8	526.3 ± 25.9		

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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	158.3 ± 10.9	195.3 ± 1.5	188.7 ± 20.7	140.7 ± 7.1
1:1600	128 ± 7.0	170.7 ± 8.4	189.7 ± 8.4	146.7 ± 9.9
1:800	117 ± 9.6	153 ± 0.6	193.7 ± 5.2	143.3 ± 2.8
1:400	136 ± 9.5	147.7 ± 11.6	186.3 ± 9.0	123 ± 6.9
1:200	114.7 ± 4.9	176.7 ± 19.0	164 ± 5.5	137.7 ± 7.3
1:100	86 ± 2.1	144.3 ± 4.1	106.7 ± 4.1	90 ± 4.4
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁸	2779.3 ± 44.9	3574.7 ± 70.7		
Positive Control ⁹			1132.3 ± 17.4	1181.7 ± 34.8

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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

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 ****