

Experiment Number: **G18032B**

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

G06: Ames Summary Data

Test Compound: **Roundup Super Concentrate**

CAS Number: **ROUNDUPSUPER**

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

Time Report Requested: **17:05:46**

NTP Study Number:

G18032B

Study Result:

Negative

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Strain: TA100

Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	98.3 ± 4.6	82 ± 3.1	92.7 ± 7.0	85.3 ± 1.7
1:51200	111 ± 5.6	90 ± 6.9		
1:25600	100 ± 4.6	79.7 ± 6.4		
1:12800	89.3 ± 3.5	81.3 ± 2.9		
1:6400	99 ± 13.3	77 ± 6.0	104.7 ± 15.6	99.7 ± 1.3
1:3200	0 ± 0.0	0 ± 0.0	90.3 ± 2.2	83 ± 8.1
1:1600	0 ± 0.0	0 ± 0.0	85.7 ± 6.6	88 ± 3.5
1:800			70 ± 6.7	50 ± 4.7
1:400			0 ± 0.0	88.7 ± 5.2
1:200			0 ± 0.0	76.7 ± 6.2
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	619.7 ± 33.3	599 ± 53.6		
Positive Control ³			777.3 ± 5.8	634 ± 121.0

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Strain: TA1535

Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	15 ± 1.5	11 ± 4.6	13.3 ± 3.5	9.7 ± 1.9
1:12800	11.3 ± 1.5	18 ± 0.6		
1:6400	9 ± 1.0	14 ± 7.4	12.7 ± 0.7	17 ± 3.8
1:3200	10 ± 2.1	11.3 ± 1.5	13.7 ± 2.0	13.3 ± 3.5
1:1600	10 ± 2.1	12.3 ± 2.6	12 ± 2.6	13.7 ± 1.7
1:800	7.7 ± 2.0	5.7 ± 0.9	13.7 ± 3.7	15 ± 3.8
1:400	0 ± 0.0	0 ± 0.0	4.3 ± 2.0	1.3 ± 0.9
1:200			0 ± 0.0	0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	670 ± 28.4	337 ± 35.9		
Positive Control ⁴			258.7 ± 5.2	248.3 ± 19.7

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Strain: TA97a				
Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	141 ± 6.7	125 ± 6.6	153.3 ± 5.3	173 ± 7.2
1:51200	162 ± 7.6	110.7 ± 1.8		
1:25600	112.7 ± 5.2	109.3 ± 4.5		
1:12800	137 ± 23.7	102.3 ± 4.4		
1:6400	99.7 ± 7.0	105.7 ± 7.7	165.7 ± 6.9	172.7 ± 9.9
1:3200	82 ± 7.2	72.7 ± 4.7	181.7 ± 3.5	184 ± 8.1
1:1600	0 ± 0.0	0 ± 0.0	156.3 ± 3.7	137.7 ± 14.5
1:800			158.7 ± 8.4	128.3 ± 13.7
1:400			55.3 ± 3.7	57.7 ± 4.4
1:200			0 ± 0.0	0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵	2719.3 ± 111.2	3058.7 ± 53.6		
Positive Control ⁴			1667 ± 65.2	1958 ± 94.0

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Strain: TA98

Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	39.3 ± 3.9	29.3 ± 2.6	38 ± 5.2	32 ± 0.6
1:12800	34.7 ± 5.8	26.7 ± 1.8		
1:6400	40.3 ± 5.5	22.3 ± 4.1	42 ± 4.5	41.7 ± 7.7
1:3200	19 ± 4.9	14.7 ± 3.4	40.3 ± 1.9	31.3 ± 4.4
1:1600	16.3 ± 3.7	8.3 ± 3.0	46.3 ± 8.6	26.3 ± 1.8
1:800	12.7 ± 2.2	8 ± 4.0	42.3 ± 3.8	40.7 ± 8.8
1:400	0 ± 0.0	0 ± 0.0	24 ± 1.5	18 ± 3.1
1:200			0 ± 0.0	0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶			1777.3 ± 126.9	1863.3 ± 44.4
Positive Control ⁷	315 ± 32.1	578.7 ± 35.9		

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Strain: E. coli WP2 uvrA pKM101

Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	122.7 ± 6.3	159.7 ± 5.9	166.7 ± 4.4	188.7 ± 5.4
1:3200	124.3 ± 3.2	130.3 ± 9.5	175 ± 4.5	196.7 ± 9.7
1:1600	117 ± 6.8	154.3 ± 7.3	173.7 ± 8.5	214.7 ± 17.4
1:800	120.7 ± 4.9	143.3 ± 5.8	162.7 ± 6.4	203.3 ± 11.8
1:400	117.3 ± 2.3	229 ± 11.7	171 ± 3.5	238.7 ± 11.9
1:200	100.7 ± 8.1	171 ± 31.6	148 ± 7.0	211.7 ± 6.8
1:100	79.3 ± 6.1	117 ± 10.0	106 ± 3.1	184.3 ± 24.8
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁸	2881.3 ± 56.8	3126 ± 187.7		
Positive Control ⁹			1104.3 ± 64.9	1028.7 ± 58.1

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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 ****