

Experiment Number: **G18031B**

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

G06: Ames Summary Data

Test Compound: **Roundup Concentrate Plus**

CAS Number: **ROUNDUPPLUS**

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

Time Report Requested: **17:02:46**

NTP Study Number:

G18031B

Study Result:

Negative

Experiment Number: G18031B

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Roundup Concentrate Plus

CAS Number: ROUNDUPPLUS

Date Report Requested: 08/17/2021

Time Report Requested: 17:02:46

Strain: TA100				
Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	88.7 ± 4.3	87 ± 1.0	102.7 ± 5.7	81.3 ± 3.9
1:25600	85.7 ± 3.9	87.7 ± 5.2		
1:12800	104.7 ± 6.8	104 ± 2.5		
1:6400	102.3 ± 15.0	103.7 ± 2.0	117.3 ± 4.7	84.3 ± 4.2
1:3200	71 ± 5.3	50.3 ± 3.2	108.3 ± 3.0	98.3 ± 1.9
1:1600	0 ± 0.0	0 ± 0.0	116 ± 12.2	105.7 ± 17.7
1:800	0 ± 0.0	0 ± 0.0	18.7 ± 0.9	39.3 ± 16.4
1:400			0 ± 0.0	2 ± 1.0
1:200			0 ± 0.0	0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	763.3 ± 37.6	579.3 ± 14.3		
Positive Control ³			1080.3 ± 59.5	862.7 ± 14.9

Experiment Number: G18031B

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Roundup Concentrate Plus

CAS Number: ROUNDUPPLUS

Date Report Requested: 08/17/2021

Time Report Requested: 17:02:46

Strain: TA1535

Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	20 ± 1.2	10.3 ± 2.8	21 ± 1.5	8.7 ± 0.3
1:25600	22 ± 2.0	11 ± 1.0		
1:12800	19.3 ± 5.2	8.7 ± 0.9	14 ± 3.5	10.7 ± 2.3
1:6400	18.3 ± 0.7	9 ± 1.2	18.7 ± 0.9	13.7 ± 2.8
1:3200	14 ± 2.3	8.7 ± 0.3	14.7 ± 3.2	12 ± 1.0
1:1600	5.7 ± 2.2	5.3 ± 0.7	10.3 ± 1.3	8 ± 0.6
1:800	0 ± 0.0	1 ± 0.0	9.3 ± 1.9	7.3 ± 2.3
1:400			5.7 ± 3.2	2.3 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	769.7 ± 78.7	314.7 ± 19.4		
Positive Control ⁴			337 ± 70.5	269.7 ± 2.6

Experiment Number: G18031B

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Roundup Concentrate Plus

CAS Number: ROUNDUPPLUS

Date Report Requested: 08/17/2021

Time Report Requested: 17:02:46

Strain: TA97a

Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	98 ± 8.1	121.7 ± 4.5	184 ± 13.8	143 ± 2.5
1:25600	110.7 ± 9.0	45.7 ± 2.6		
1:12800	114.3 ± 4.3	42.3 ± 12.3	186.7 ± 17.7	103 ± 7.4
1:6400	97 ± 7.5	4 ± 1.7	187.7 ± 5.8	74.7 ± 6.4
1:3200	72.7 ± 6.9	51.3 ± 4.8	183.7 ± 5.9	49.3 ± 10.3
1:1600	0 ± 0.0	3 ± 3.0	152.7 ± 1.9	26.7 ± 4.8
1:800	0 ± 0.0	0 ± 0.0	53.7 ± 2.6	1 ± 0.6
1:400			11 ± 3.1	0.3 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵	2911 ± 191.3	964 ± 88.7		
Positive Control ⁴			2257 ± 100.3	1725 ± 20.1

Experiment Number: G18031B

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Roundup Concentrate Plus

CAS Number: ROUNDUPPLUS

Date Report Requested: 08/17/2021

Time Report Requested: 17:02:46

Strain: TA98

Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	17.7 ± 2.4	32.7 ± 1.8	23 ± 2.0	37.7 ± 2.3
1:25600	19.3 ± 4.8	28.3 ± 1.2		
1:12800	11.3 ± 3.0	26.7 ± 1.5		
1:6400	12.7 ± 0.9	27.3 ± 1.7	16.7 ± 1.5	33.7 ± 3.8
1:3200	11 ± 1.2	11.3 ± 4.9	18.7 ± 4.4	45 ± 11.4
1:1600	8.7 ± 0.9	11 ± 2.6	26 ± 3.0	27 ± 2.6
1:800	4 ± 1.5	0.7 ± 0.3	14.3 ± 2.2	31 ± 2.6
1:400			9.7 ± 0.3	12.7 ± 2.4
1:200			0.7 ± 0.3	0.7 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶			1817.3 ± 79.9	2323.7 ± 245.7
Positive Control ⁷	138 ± 17.0	481.3 ± 37.1		

Experiment Number: G18031B
 Test Type: Genetic Toxicology - Bacterial
 Mutagenicity

G06: Ames Summary Data
 Test Compound: Roundup Concentrate Plus
 CAS Number: ROUNDUPPLUS

Date Report Requested: 08/17/2021
 Time Report Requested: 17:02:46

Strain: E. coli WP2 uvrA pKM101

Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	224.3 ± 5.3	177.7 ± 6.1	183.3 ± 6.3	186.3 ± 5.5
1:102400	149 ± 5.9	128.3 ± 7.1		
1:51200	169.7 ± 8.5	142.3 ± 0.9		
1:25600	139 ± 11.9	124.3 ± 10.0		
1:12800	124.3 ± 8.1	63.3 ± 8.2	177 ± 8.5	198 ± 8.9
1:6400	36.7 ± 3.0	0 ± 0.0	160.3 ± 2.4	129 ± 1.5
1:3200	6.7 ± 1.9	0 ± 0.0	99 ± 10.0	12.3 ± 2.4
1:1600			66.3 ± 56.6	10 ± 0.6
1:800			0 ± 0.0	0.7 ± 0.7
1:400			1.7 ± 0.3	0.3 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁸	2644.3 ± 75.2	2327 ± 102.3		
Positive Control ⁹			1265.3 ± 38.6	1160.7 ± 96.9

Experiment Number: **G18031B**

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

G06: Ames Summary Data

Test Compound: **Roundup Concentrate Plus**

CAS Number: **ROUNDUPPLUS**

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

Time Report Requested: **17:02:46**

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 ****