

Experiment Number: **G18023B**

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

G06: Ames Summary Data

Test Compound: **Cornerstone Plus**

CAS Number: **CORNERSTONE**

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

Time Report Requested: **16:30:55**

NTP Study Number:

G18023B

Study Result:

Negative

Experiment Number: G18023B
 Test Type: Genetic Toxicology - Bacterial
 Mutagenicity

G06: Ames Summary Data
 Test Compound: Cornerstone Plus
 CAS Number: CORNERSTONE

Date Report Requested: 08/17/2021
 Time Report Requested: 16:30:55

Strain: TA100				
Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	101 ± 0.6	114.3 ± 4.9	98.3 ± 2.6	78 ± 3.5
1:25600	104.7 ± 1.8	73 ± 3.8		
1:12800	98 ± 11.0	80.3 ± 7.4		
1:6400	96 ± 13.3	86.7 ± 10.4		
1:3200	91.7 ± 2.2	104.7 ± 22.7	87.3 ± 5.5	99.3 ± 2.0
1:1600	0 ± 0.0	0 ± 0.0	90.3 ± 7.6	90.7 ± 5.2
1:800	0 ± 0.0	0 ± 0.0	93.7 ± 10.7	90 ± 3.5
1:400			90.7 ± 6.0	103 ± 13.0
1:200			29.7 ± 2.4	6.7 ± 6.7
1:100			0 ± 0.0	0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	775.3 ± 55.3	455.7 ± 11.3		
Positive Control ³			465.3 ± 187.3	437.3 ± 13.9

Experiment Number: G18023B

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Cornerstone Plus

CAS Number: CORNERSTONE

Date Report Requested: 08/17/2021

Time Report Requested: 16:30:55

Strain: TA1535

Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	15.7 ± 2.6	15 ± 3.0	11 ± 1.0	11 ± 1.0
1:25600	14.3 ± 3.2			
1:12800	14.7 ± 2.4	15.7 ± 3.3		
1:6400	12.3 ± 0.9	16.3 ± 2.2		
1:3200	12 ± 0.6	10.7 ± 0.9	14.7 ± 2.2	10.3 ± 0.3
1:1600	13.7 ± 3.9	11.7 ± 4.6	14.7 ± 1.2	10.3 ± 1.8
1:800	6.3 ± 2.6	11.7 ± 4.1	13.3 ± 3.5	10.3 ± 1.3
1:400		0 ± 0.0	16 ± 1.0	11 ± 3.0
1:200			5.3 ± 3.0	7 ± 5.0
1:100			0 ± 0.0	0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	649 ± 36.0	356 ± 7.5		
Positive Control ⁴			318.3 ± 63.4	273.3 ± 4.6

Experiment Number: G18023B

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Cornerstone Plus

CAS Number: CORNERSTONE

Date Report Requested: 08/17/2021

Time Report Requested: 16:30:55

Strain: TA97a				
Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	120 ± 10.4	110 ± 9.1	162 ± 4.9	95.7 ± 3.4
1:25600	133 ± 5.0	95.3 ± 15.1		
1:12800	160.3 ± 5.0	98.3 ± 19.9		
1:6400	139 ± 4.4	61 ± 9.1		
1:3200	147 ± 6.1	75.7 ± 5.9	158.7 ± 5.8	112.7 ± 4.1
1:1600	68.7 ± 6.4	0 ± 0.0	157.7 ± 7.7	109.3 ± 10.9
1:800	0 ± 0.0	0 ± 0.0	152.7 ± 3.7	79 ± 7.5
1:400			180.7 ± 4.9	96 ± 7.5
1:200			69 ± 2.5	21.3 ± 7.7
1:100			0 ± 0.0	0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵	3137.3 ± 49.0	1965 ± 407.8		
Positive Control ⁴			1575.7 ± 32.2	1409.7 ± 115.7

Experiment Number: G18023B

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Cornerstone Plus

CAS Number: CORNERSTONE

Date Report Requested: 08/17/2021

Time Report Requested: 16:30:55

Strain: TA98

Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	48.3 ± 4.3	29 ± 3.5	53.7 ± 8.6	29.7 ± 7.0
1:25600	50 ± 2.1	26 ± 2.6		
1:12800	47.3 ± 2.2	26 ± 1.5		
1:6400	52.3 ± 9.8	27.7 ± 5.2		
1:3200	40 ± 5.7	23.3 ± 4.7	54.7 ± 2.2	21.7 ± 3.2
1:1600	15 ± 2.6	17 ± 3.8	66.3 ± 15.2	23.3 ± 0.3
1:800	0 ± 0.0	11.3 ± 2.2	62 ± 3.0	41.3 ± 12.0
1:400			51.3 ± 2.3	33.3 ± 2.3
1:200			32.7 ± 2.4	35.7 ± 9.3
1:100			4 ± 1.0	2 ± 2.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶			1885 ± 32.0	2185 ± 234.5
Positive Control ⁷	327 ± 15.3	895.7 ± 40.4		

Experiment Number: G18023B
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Cornerstone Plus
CAS Number: CORNERSTONE

Date Report Requested: 08/17/2021
Time Report Requested: 16:30:55

Strain: E. coli WP2 uvrA pKM101

Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	102 ± 4.4	155.7 ± 6.4	128.7 ± 4.9	230.7 ± 23.8
1:3200	100.7 ± 3.8	193.3 ± 17.1	148 ± 8.7	189.3 ± 3.2
1:1600	109.7 ± 3.8	146.3 ± 1.7	140 ± 5.9	206.7 ± 22.8
1:800	141.3 ± 10.3	146.7 ± 6.9	128.7 ± 2.3	153.3 ± 14.7
1:400	104.3 ± 6.1	214.7 ± 15.3	133.3 ± 5.8	201.7 ± 6.8
1:200	87.7 ± 6.9	147 ± 2.0	120.7 ± 13.0	188.7 ± 17.3
1:100	80.3 ± 6.8	138 ± 2.0	118.7 ± 4.9	170.7 ± 10.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁸	2885.7 ± 154.0	2650.7 ± 145.4		
Positive Control ⁹			843 ± 39.3	1170.7 ± 104.3

Experiment Number: **G18023B**

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

G06: Ames Summary Data

Test Compound: **Cornerstone Plus**

CAS Number: **CORNERSTONE**

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

Time Report Requested: **16:30:55**

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 ****