

Experiment Number: **G88067B**

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

G06: Ames Summary Data

Test Compound: **Glyphosate**

CAS Number: **1071-83-6**

Date Report Requested: **05/14/2021**

Time Report Requested: **13:09:27**

NTP Study Number:

G88067B

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	129.7 ± 5.5	87 ± 1.0	126.3 ± 9.0	81.3 ± 3.9
200	103.7 ± 3.4	78 ± 2.6	86.7 ± 4.7	100.3 ± 3.5
500	100.3 ± 4.1	92.3 ± 7.3	103 ± 15.0	92.7 ± 13.8
1500	88 ± 2.6	74.7 ± 1.3	87.3 ± 9.9	70 ± 4.4
3000	92 ± 11.8	74.7 ± 4.7	83.3 ± 4.7	73 ± 4.9
6000	80 ± 4.0	62.7 ± 4.1	67.3 ± 4.4	51.7 ± 2.2
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	536.3 ± 25.1	579.3 ± 14.3		
Positive Control ³			742.7 ± 91.0	862.7 ± 14.9

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Strain: TA1535

Dose (ug/plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	22.3 ± 1.9	10.3 ± 2.8	24.3 ± 3.5	8.7 ± 0.3
200	17 ± 3.6	13 ± 3.1	19.3 ± 0.3	10 ± 1.5
500	11.3 ± 2.4	12.3 ± 3.2	12.7 ± 1.8	13 ± 2.5
1500	13.3 ± 2.0	15 ± 3.1	17.3 ± 3.5	15.7 ± 3.5
3000	11.3 ± 0.9	9.3 ± 2.4	12.7 ± 3.5	16 ± 3.0
6000	11.3 ± 1.2	10.7 ± 3.3	13.3 ± 1.9	8.7 ± 0.7
Trial Summary	Negative	Negative	Negative	Equivocal
Positive Control ²	589.7 ± 25.7	314.7 ± 19.4		
Positive Control ⁴			268 ± 8.2	269.7 ± 2.6

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Strain: TA97a

Dose (ug/plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	132.7 ± 6.2	121.7 ± 4.5	161 ± 3.0	143 ± 2.5
200	106.7 ± 5.7	133.7 ± 4.8	148 ± 12.8	147.3 ± 7.4
500	109 ± 8.7	120.7 ± 9.2	156.3 ± 8.4	188 ± 7.0
1500	97 ± 4.0	105.3 ± 11.1	157.3 ± 12.1	144.7 ± 2.7
3000	91.7 ± 8.7	105.3 ± 6.3	103 ± 4.5	70.3 ± 5.8
6000	74 ± 2.6	82.3 ± 5.8	88.3 ± 2.2	47.7 ± 8.4
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁴			2056.7 ± 84.8	1725 ± 20.1
Positive Control ⁵	2711.7 ± 220.5	964 ± 88.7		

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Strain: TA98

Dose (ug/plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	22.7 ± 3.2	32.7 ± 1.8	42 ± 3.2	37.7 ± 2.3
200	30 ± 1.2	31.7 ± 8.3	28.7 ± 0.7	39.3 ± 2.9
500	21 ± 3.2	29 ± 3.5	25 ± 3.0	37 ± 3.5
1500	19.7 ± 0.9	20.7 ± 2.7	32.7 ± 4.8	35.7 ± 3.0
3000	19.3 ± 1.2	26.3 ± 2.7	25.3 ± 2.7	36 ± 4.5
6000	22.7 ± 4.9	29.3 ± 1.8	24.3 ± 0.9	29.3 ± 4.4
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶			1429.3 ± 36.4	2323.7 ± 245.7
Positive Control ⁷	98.3 ± 6.4	481.3 ± 37.1		

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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	136.3 ± 2.2	177.7 ± 6.1	183.7 ± 17.6	186.3 ± 5.5
200	131 ± 6.1	137 ± 6.5	167.7 ± 10.5	203.3 ± 13.2
500	132.3 ± 3.0	123 ± 6.2	157.3 ± 11.3	190.3 ± 17.5
1500	128 ± 5.5	97.7 ± 0.7	145.7 ± 10.9	136 ± 13.5
3000	101.7 ± 14.6	92 ± 11.4	107 ± 9.3	117.7 ± 16.5
6000	66.3 ± 6.7	61 ± 15.1	77.7 ± 6.6	76.7 ± 10.3
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁸			1046.7 ± 15.0	1160.7 ± 96.9
Positive Control ⁹	2589 ± 114.3	2327 ± 102.3		

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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: 20 ug/plate 2-Aminoanthracene

9: 0.25 ug/plate 4-Nitroquinoline-N-oxide

**** END OF REPORT ****