

Experiment Number: **G18026B**

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

G06: Ames Summary Data

Test Compound: **Halex GT**

CAS Number: **HALEXGT**

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

Time Report Requested: **16:45:58**

NTP Study Number:

G18026B

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	89.3 ± 8.4	104.3 ± 12.5	98 ± 4.5	97.7 ± 7.2
1:1600	91.7 ± 2.9	117 ± 3.5	79.3 ± 3.5	107 ± 4.9
1:800	43.3 ± 22.9	63 ± 16.2	108.3 ± 3.5	112.7 ± 9.0
1:400	62 ± 6.5	36.7 ± 9.0	86.3 ± 4.9	103.7 ± 4.3
1:200	28 ± 4.0	45.3 ± 11.7	74.3 ± 3.8	78 ± 4.2
1:100	8.7 ± 8.7	34 ± 1.2	75.7 ± 5.2	73.7 ± 3.3
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	712 ± 50.0	520.3 ± 51.0		
Positive Control ³			669 ± 24.6	621.7 ± 29.4

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Strain: TA1535

Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	12.3 ± 2.3	10.3 ± 1.7	8 ± 1.5	12.7 ± 0.3
1:1600	18.7 ± 4.3	12.3 ± 2.8	14 ± 2.3	9.3 ± 0.9
1:800	6.7 ± 0.7	9.3 ± 0.9	14 ± 1.0	14.3 ± 1.5
1:400	8.3 ± 0.3	12.3 ± 2.0	15.7 ± 2.4	13 ± 2.1
1:200	7.3 ± 0.9	14.3 ± 3.3	10.3 ± 0.9	11 ± 1.5
1:100	10 ± 2.0	8.7 ± 1.7	8.7 ± 3.8	12 ± 1.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	768 ± 28.6	361.7 ± 11.9		
Positive Control ⁴			360.3 ± 11.1	273.3 ± 12.3

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Strain: TA97a

Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	106.7 ± 1.9	102.3 ± 8.7	170 ± 5.9	131 ± 9.5
1:1600	121 ± 10.0	102 ± 9.5	178 ± 5.0	172.3 ± 13.3
1:800	72 ± 3.5	82.3 ± 5.0	227.7 ± 20.5	165.7 ± 19.2
1:400	72.3 ± 4.3	58 ± 2.9	163.7 ± 8.4	144.7 ± 3.8
1:200	61.7 ± 1.2	57.3 ± 8.8	127.3 ± 2.9	139 ± 4.5
1:100	3 ± 1.7	58.7 ± 5.5	101.7 ± 14.9	115 ± 9.8
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵	2761 ± 156.7	2116.7 ± 393.2		
Positive Control ⁴			1979.3 ± 52.8	1958 ± 35.2

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Strain: TA98

Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	19.7 ± 4.3	36.3 ± 2.9	23.3 ± 3.8	46.3 ± 6.4
1:1600	19.7 ± 0.9	32.7 ± 2.4	25 ± 3.1	37 ± 4.0
1:800	12.3 ± 0.3	25.3 ± 6.3	26 ± 2.0	42.3 ± 7.2
1:400	9.3 ± 1.9	10.7 ± 0.9	22.7 ± 1.8	33.7 ± 2.6
1:200	16 ± 2.9	9.3 ± 1.5	22 ± 5.2	45 ± 8.5
1:100	0 ± 0.0	1.3 ± 1.3	27.3 ± 2.0	32 ± 8.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶			1922 ± 82.1	2046.7 ± 159.8
Positive Control ⁷	170.3 ± 6.6	484.3 ± 18.3		

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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	153.3 ± 3.0	123.3 ± 6.2	182 ± 6.5	143.3 ± 7.5
1:1600	151 ± 9.0	123.7 ± 8.8	180 ± 14.4	156.7 ± 9.9
1:800	143.3 ± 3.3	107.7 ± 5.7	197 ± 8.7	146.7 ± 7.8
1:400	155.7 ± 7.7	110.7 ± 4.1	178.7 ± 11.6	168.7 ± 2.7
1:200	131 ± 7.0	115.3 ± 3.2	175.7 ± 3.8	156.7 ± 2.4
1:100	134 ± 4.4	109.7 ± 6.9	167.3 ± 9.1	133 ± 11.7
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁸	2870.7 ± 94.3	2492.3 ± 244.4		
Positive Control ⁹			1306.7 ± 38.6	1280 ± 21.5

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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 ****