

Experiment Number: **G18024B**

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

G06: Ames Summary Data

Test Compound: **Durango DMA**

CAS Number: **DURANGODMA**

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

Time Report Requested: **16:36:23**

NTP Study Number:

G18024B

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	74.7 ± 1.2	115.3 ± 13.9	76.3 ± 2.8	134 ± 6.4
1:102400	93.7 ± 12.8	126 ± 6.5		
1:51200	77 ± 2.3	126.7 ± 2.8		
1:25600	88.3 ± 2.2	128.7 ± 7.8		
1:12800	99.3 ± 5.2	94 ± 3.5	72.7 ± 2.0	143.7 ± 6.4
1:6400	59 ± 4.6	0 ± 0.0	71.3 ± 0.9	162 ± 5.1
1:3200	0 ± 0.0	0 ± 0.0	79.7 ± 1.8	136.3 ± 14.8
1:1600			80.3 ± 2.2	122 ± 4.4
1:800			25 ± 15.0	39 ± 3.5
1:400			0 ± 0.0	0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	679.3 ± 65.6	552.3 ± 62.1		
Positive Control ³			601.7 ± 11.6	691.7 ± 19.5

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Strain: TA1535

Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	11.3 ± 1.2	17 ± 0.6	9.7 ± 2.3	17.3 ± 2.3
1:102400	14 ± 3.6	13.7 ± 3.4		
1:51200	12.7 ± 3.5	11.7 ± 2.7		
1:25600	11.3 ± 1.8	13 ± 3.0		
1:12800	10.3 ± 2.0	12.3 ± 2.0	12 ± 3.6	13 ± 2.1
1:6400	11.7 ± 3.7	15 ± 3.1	10.7 ± 0.9	23.3 ± 12.4
1:3200	7 ± 1.5	9.7 ± 6.1	10.7 ± 0.3	15.7 ± 1.9
1:1600			10.3 ± 4.5	15 ± 3.1
1:800			5.3 ± 2.4	12.7 ± 2.7
1:400			0 ± 0.0	2.7 ± 1.7
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	579.3 ± 60.9	448.3 ± 9.7		
Positive Control ⁴			329 ± 58.6	288 ± 23.5

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Strain: TA97a				
Dose (dilution)	Without S9		With 10% Rat S9	
Vehicle Control ¹	127.3 ± 5.9	99.7 ± 14.8	129.7 ± 5.5	159.7 ± 6.1
1:102400	118.7 ± 2.8	102 ± 11.1		
1:51200	133.7 ± 4.4	89 ± 6.7		
1:25600	116 ± 6.8	76 ± 11.2		
1:12800	101.3 ± 8.7	100.3 ± 7.3	160 ± 2.0	171.3 ± 4.5
1:6400	74 ± 4.6	25.3 ± 8.4	166.7 ± 4.5	183 ± 4.2
1:3200	0 ± 0.0	0 ± 0.0	164.7 ± 13.6	147.7 ± 13.9
1:1600			137.3 ± 13.7	152 ± 13.1
1:800			48.7 ± 3.2	59.7 ± 7.1
1:400			0 ± 0.0	0 ± 0.0
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁵	2547.3 ± 282.4	2288.7 ± 117.0		
Positive Control ⁴			2032 ± 212.2	2229.7 ± 62.4

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Strain: TA98

Dose (dilution)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	27.7 ± 3.9	26.7 ± 2.3	24.3 ± 3.2	30.3 ± 1.2
1:102400	27.3 ± 4.3	20 ± 1.5		
1:51200	27.3 ± 5.9	27.3 ± 3.5		
1:25600	28 ± 2.6	21.3 ± 3.7		
1:12800	34.7 ± 1.9	18.7 ± 3.4	26 ± 3.2	35.7 ± 4.8
1:6400	17.3 ± 6.1	15 ± 3.2	35 ± 1.5	29.7 ± 1.3
1:3200	0 ± 0.0	5.7 ± 5.7	26.3 ± 4.9	39 ± 5.3
1:1600			26.3 ± 3.3	32 ± 2.0
1:800			28 ± 3.1	32.3 ± 5.0
1:400			8.3 ± 2.2	16.3 ± 3.2
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁶			1589.7 ± 133.8	1849.7 ± 39.7
Positive Control ⁷	420 ± 46.0	726 ± 28.9		

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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	116 ± 4.9	98.7 ± 10.7	149.7 ± 9.3	105.7 ± 8.2
1:3200	127.3 ± 11.3	98.3 ± 2.2	152 ± 9.6	107.3 ± 0.3
1:1600	129 ± 5.8	90 ± 5.7	157 ± 11.0	116.3 ± 15.2
1:800	105.7 ± 11.1	76.3 ± 2.2	165 ± 7.8	113.7 ± 3.8
1:400	104 ± 3.2	52.3 ± 2.0	149.3 ± 3.2	95.7 ± 2.2
1:200	52 ± 1.5	22.7 ± 1.8	102.7 ± 7.8	78.7 ± 3.8
1:100	0 ± 0.0	10.7 ± 2.7	43 ± 4.2	30 ± 4.9
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ⁸	2539.3 ± 120.8	2563.3 ± 77.1		
Positive Control ⁹			977 ± 29.1	1118.7 ± 66.2

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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 ****