

Experiment Number: 810135

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

G06: Ames Summary Data

Test Compound: **Black newsprint ink**

CAS Number: **EMTDP-75**

Date Report Requested: **09/15/2018**

Time Report Requested: **13:22:18**

NTP Study Number:

810135

Study Result:

Positive

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Date Report Requested: 09/15/2018

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	126 ± 8.4	142 ± 1.0	107 ± 9.9	121 ± 9.0	133 ± 11.3
100.0	105 ± 6.4	148 ± 16.8			127 ± 12.1
333.0	90 ± 7.5	122 ± 6.9			127 ± 7.8
1000.0	96 ± 10.6	108 ± 7.9	143 ± 5.7	152 ± 6.3	125 ± 11.7
1666.0			157 ± 7.0	164 ± 5.8	
3333.0	87 ± 6.2	139 ± 18.5	162 ± 6.4	190 ± 21.3	193 ± 16.3
6666.0			147 ± 17.9 ^p	180 ± 6.4 ^p	
10000.0	108 ± 9.6 ^p	141 ± 9.1 ^p	153 ± 5.8 ^p	159 ± 17.5 ^p	204 ± 29.1 ^p
Trial Summary	Negative	Negative	Equivocal	Weakly Positive	Weakly Positive
Positive Control ²			895 ± 40.9	625 ± 8.1	
Positive Control ³					381 ± 14.0
Positive Control ⁴		273 ± 2.7			
Positive Control ⁵	493 ± 20.9				

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	120 ± 9.9	162 ± 6.7	111 ± 5.5
100.0		157 ± 10.6	116 ± 7.8
333.0		171 ± 5.5	119 ± 4.5
1000.0	169 ± 14.3	195 ± 9.6	151 ± 2.1
1666.0	167 ± 10.4		
3333.0	179 ± 12.7	245 ± 19.2	195 ± 7.4
6666.0	178 ± 19.6 ^p		
10000.0	205 ± 16.2 ^p	271 ± 9.8 ^p	233 ± 11.9 ^p
Trial Summary	Equivocal	Weakly Positive	Positive
Positive Control ²			
Positive Control ³	457 ± 11.2	694 ± 45.9	551 ± 8.1
Positive Control ⁴			
Positive Control ⁵			

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Strain: TA98

Dose (ug/Plate)	Without S9	With 5% Rat S9	With 10% Rat S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	24 ± 0.9	18 ± 3.5	22 ± 1.7	29 ± 1.0	25 ± 4.8
100.0	22 ± 2.9			31 ± 3.2	28 ± 1.8
333.0	16 ± 1.9			41 ± 3.3	34 ± 2.0
1000.0	16 ± 3.0	34 ± 3.8	47 ± 9.2	69 ± 4.8	47 ± 5.4
1666.0		33 ± 9.4	40 ± 2.9		
3333.0	17 ± 2.8	38 ± 3.9	47 ± 4.2	94 ± 4.2	55 ± 2.9
6666.0		32 ± 2.1 ^p	60 ± 0.7 ^p	76 ± 1.9 ^p	55 ± 3.7 ^p
10000.0	18 ± 4.8 ^p	21 ± 0.6 ^p	32 ± 2.6 ^p		
Trial Summary	Negative	Weakly Positive	Positive	Positive	Positive
Positive Control ²					
Positive Control ³		500 ± 6.7	212 ± 33.9	353 ± 11.4	192 ± 20.7
Positive Control ⁶	526 ± 16.4				

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Strain: TA98

Dose (ug/Plate)	With 30% Rat S9	With 30% Rat S9	With 5% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	23 ± 1.3	16 ± 3.4	21 ± 5.0	20 ± 2.7	18 ± 0.9
100.0	16 ± 0.9				12 ± 3.4
333.0	16 ± 4.0				17 ± 2.1
1000.0	20 ± 0.6	28 ± 8.3	31 ± 2.2	35 ± 2.7	13 ± 2.6
1666.0		28 ± 2.9	31 ± 5.0	35 ± 1.7	
3333.0	21 ± 4.6	32 ± 3.2	31 ± 3.6	44 ± 3.8	15 ± 2.5
6666.0		41 ± 2.3 ^p	21 ± 2.5 ^p	53 ± 7.5 ^p	
10000.0	33 ± 5.7 ^p	26 ± 8.3 ^p	30 ± 1.3 ^p	45 ± 2.6 ^p	46 ± 10.4 ^p
Trial Summary	Negative	Weakly Positive	Negative	Positive	Equivocal
Positive Control ²			649 ± 53.7	468 ± 12.0	
Positive Control ³	76 ± 6.6	81 ± 5.6			213 ± 5.3
Positive Control ⁶					

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	22 ± 4.7	26 ± 3.5	23 ± 4.2
100.0		29 ± 0.3	22 ± 2.2
333.0		32 ± 2.5	26 ± 4.6
1000.0	42 ± 3.3	51 ± 4.4	28 ± 2.0
1666.0	42 ± 1.7		
3333.0	48 ± 6.4	75 ± 1.8	48 ± 1.5
6666.0	69 ± 7.2 ^p	109 ± 2.9 ^p	58 ± 4.6 ^p
10000.0	67 ± 3.4 ^p		
Trial Summary	Positive	Positive	Positive
Positive Control ²			
Positive Control ³	196 ± 56.7	419 ± 36.2	331 ± 10.6
Positive Control ⁶			

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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

1: Vehicle Control: Dimethyl Sulfoxide

2: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate 2-Aminoanthracene

5: 5.0 ug/Plate Sodium Azide

6: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****