

Experiment Number: 894518

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Di(2-ethylhexyl) Phthalate

CAS Number: 117-81-7

Date Report Requested: 09/16/2018

Time Report Requested: 22:27:17

NTP Study Number:

894518

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	99 ± 9.7	90 ± 1.7	119 ± 12.7	103 ± 6.3	106 ± 7.3
100.0	93 ± 7.2	87 ± 2.3	123 ± 10.7	90 ± 11.3	113 ± 12.7
333.0	92 ± 4.6	77 ± 5.5	116 ± 7.5	103 ± 10.5	106 ± 6.7
1000.0	111 ± 5.9	74 ± 0.9	118 ± 5.8	108 ± 3.8	97 ± 4.6
3333.0	99 ± 1.8	91 ± 5.0	124 ± 2.6	106 ± 3.8	105 ± 7.9
10000.0	98 ± 3.9	89 ± 2.2	114 ± 11.5	105 ± 4.9	122 ± 4.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					829 ± 28.6
Positive Control ³			2003 ± 7.5		
Positive Control ⁴				525 ± 15.6	
Positive Control ⁵	1379 ± 24.7	1247 ± 44.0			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	95 ± 5.2
100.0	95 ± 4.8
333.0	88 ± 6.2
1000.0	97 ± 3.4
3333.0	95 ± 4.7
10000.0	99 ± 9.5
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	1109 ± 22.4
Positive Control ⁵	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	18 ± 0.9	20 ± 3.2	28 ± 3.5	24 ± 0.7	20 ± 1.2
100.0	25 ± 2.7	17 ± 1.0	26 ± 2.1	20 ± 2.7	18 ± 1.7
333.0	21 ± 2.6	18 ± 2.6	32 ± 2.1	20 ± 3.6	23 ± 0.7
1000.0	20 ± 1.8	15 ± 3.8	21 ± 2.8	26 ± 2.6	21 ± 1.9
3333.0	19 ± 1.2	14 ± 3.5	23 ± 4.9	20 ± 4.1	17 ± 3.5
10000.0	19 ± 2.4	17 ± 2.1	22 ± 4.6	21 ± 2.7	24 ± 4.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					88 ± 5.5
Positive Control ³			153 ± 7.2		
Positive Control ⁴				130 ± 11.0	
Positive Control ⁵	998 ± 17.2	1031 ± 13.9			

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	22 ± 2.9
100.0	14 ± 4.0
333.0	26 ± 0.6
1000.0	18 ± 1.0
3333.0	19 ± 3.5
10000.0	16 ± 0.9
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	203 ± 10.2
Positive Control ⁵	

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	112 ± 10.9	68 ± 6.5	103 ± 4.3	111 ± 4.5	142 ± 7.9
100.0	109 ± 9.8	74 ± 1.9	97 ± 4.3	133 ± 7.3	137 ± 3.8
333.0	104 ± 10.5	75 ± 2.5	95 ± 4.0	105 ± 1.2	129 ± 12.5
1000.0	120 ± 6.4	60 ± 9.0	102 ± 7.3	125 ± 3.3	140 ± 8.1
3333.0	105 ± 9.5	71 ± 8.9	99 ± 4.1	128 ± 4.5	139 ± 5.0
10000.0	98 ± 9.4	79 ± 13.0	104 ± 3.8	140 ± 4.4	145 ± 6.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					
Positive Control ³				972 ± 43.3	1070 ± 49.2
Positive Control ⁴					
Positive Control ⁶	530 ± 12.1	383 ± 57.9	983 ± 23.5		

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Strain: TA97

Dose (ug/Plate)	With 30% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	164 ± 9.0	124 ± 11.4	132 ± 10.1	140 ± 4.4
100.0	146 ± 2.4	119 ± 12.7	122 ± 7.8	136 ± 3.2
333.0	159 ± 5.8	98 ± 5.4	111 ± 9.3	132 ± 6.1
1000.0	159 ± 0.7	107 ± 11.6	126 ± 10.7	144 ± 9.3
3333.0	160 ± 4.1	96 ± 4.6	111 ± 10.9	153 ± 7.9
10000.0	163 ± 7.5	123 ± 2.7	109 ± 12.7	155 ± 2.5
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²		407 ± 11.7	768 ± 27.1	
Positive Control ³				
Positive Control ⁴	491 ± 45.7			941 ± 54.5
Positive Control ⁶				

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	15 ± 1.5	16 ± 2.3	26 ± 1.5	30 ± 4.0	37 ± 4.7
100.0	18 ± 2.1	18 ± 1.9	32 ± 2.1	31 ± 5.5	32 ± 0.9
333.0	18 ± 0.9	18 ± 0.7	34 ± 3.7	36 ± 4.1	29 ± 2.7
1000.0	19 ± 0.6	19 ± 2.6	33 ± 1.7	32 ± 1.9	32 ± 2.6
3333.0	19 ± 1.8	18 ± 1.5	30 ± 1.3	39 ± 7.2	33 ± 4.8
10000.0	18 ± 1.2	16 ± 1.8	30 ± 2.0	30 ± 4.5	34 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					751 ± 23.7
Positive Control ³			1780 ± 26.3		
Positive Control ⁴				345 ± 30.6	
Positive Control ⁷	1962 ± 32.3	1748 ± 17.0			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	28 ± 1.5
100.0	25 ± 4.1
333.0	26 ± 2.0
1000.0	36 ± 4.3
3333.0	36 ± 2.2
10000.0	35 ± 3.8
Trial Summary	Negative
Positive Control ²	
Positive Control ³	
Positive Control ⁴	540 ± 25.2
Positive Control ⁷	

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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: 95% Ethanol

2: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate Sodium Azide

6: 4.0 ug/Plate 9-Aminoacridine

7: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****