

Experiment Number: 926720

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Diisodecyl phthalate

CAS Number: 26761-40-0

Date Report Requested: 09/17/2018

Time Report Requested: 07:37:05

NTP Study Number:

926720

Study Result:

Negative

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	159 ± 0.6	159 ± 7.5	148 ± 7.2	127 ± 6.7	134 ± 3.2
100.0	155 ± 11.4	123 ± 17.0	151 ± 1.9	108 ± 5.0	159 ± 12.3
333.0	128 ± 14.4	128 ± 9.2	130 ± 4.1	99 ± 6.1	150 ± 2.5
1000.0	134 ± 8.3	129 ± 5.5	139 ± 10.1	107 ± 8.4	167 ± 7.4
3333.0	130 ± 1.3	113 ± 1.5	145 ± 8.4	98 ± 5.9	179 ± 11.4
10000.0	153 ± 10.5	103 ± 2.4	152 ± 7.5	100 ± 8.9	166 ± 4.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	407 ± 29.7	416 ± 16.2			
Positive Control ³			783 ± 47.7	712 ± 22.3	1508 ± 176.9

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	134 ± 1.9
100.0	130 ± 12.1
333.0	144 ± 11.6
1000.0	130 ± 5.6
3333.0	122 ± 9.1
10000.0	129 ± 15.8
Trial Summary	Negative
Positive Control ²	
Positive Control ³	1785 ± 44.9

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	29 ± 1.5	41 ± 2.1	34 ± 7.8	41 ± 1.8	28 ± 4.7
100.0	23 ± 3.3	36 ± 3.8	34 ± 5.0	31 ± 4.7	25 ± 9.2
333.0	23 ± 3.4	31 ± 3.3	33 ± 6.0	25 ± 2.6	33 ± 4.0
1000.0	15 ± 3.2	30 ± 1.7	32 ± 0.0	22 ± 2.8	32 ± 2.1
3333.0	17 ± 0.6	32 ± 2.8	36 ± 1.5	28 ± 1.2	33 ± 1.5
10000.0	18 ± 1.3	30 ± 2.8	25 ± 5.0	26 ± 3.5	37 ± 4.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²	359 ± 3.6	537 ± 4.2			
Positive Control ⁴			230 ± 11.1	273 ± 6.9	430 ± 11.0

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	30 ± 2.8
100.0	34 ± 7.6
333.0	45 ± 2.1
1000.0	34 ± 3.3
3333.0	38 ± 7.4
10000.0	36 ± 8.7
Trial Summary	Negative
Positive Control ²	
Positive Control ⁴	486 ± 4.3

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Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	4 ± 0.0	10 ± 1.9	6 ± 0.9	10 ± 2.8	7 ± 0.9
100.0	7 ± 2.6	8 ± 2.6	14 ± 2.9	8 ± 0.0	6 ± 1.5
333.0	7 ± 2.5	4 ± 1.2	12 ± 3.2	13 ± 3.2	5 ± 1.2
1000.0	9 ± 2.0	6 ± 0.7	11 ± 1.2	10 ± 1.9	9 ± 2.3
3333.0	5 ± 1.5	5 ± 0.9	8 ± 1.0	6 ± 0.9	9 ± 1.8
10000.0	5 ± 1.0	5 ± 0.6	11 ± 2.4	6 ± 0.3	5 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			277 ± 9.0	178 ± 5.8	588 ± 22.8
Positive Control ⁵	745 ± 79.3	667 ± 30.4			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 2.1
100.0	10 ± 1.2
333.0	6 ± 0.9
1000.0	10 ± 2.3
3333.0	6 ± 0.3
10000.0	13 ± 0.6
Trial Summary	Negative
Positive Control ⁴	537 ± 19.5
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	15 ± 1.5	28 ± 1.5	28 ± 1.5	25 ± 1.9	38 ± 3.8
100.0	4 ± 4.3	28 ± 4.3	21 ± 0.3	25 ± 6.4	27 ± 3.5
333.0	5 ± 4.7	22 ± 2.5	24 ± 2.7	25 ± 3.2	27 ± 1.5
1000.0	6 ± 5.7	28 ± 4.4	26 ± 3.2	22 ± 4.8	18 ± 5.9
3333.0	0 ± 0.0	28 ± 1.2	18 ± 0.3	28 ± 1.2	25 ± 3.1
10000.0	0 ± 0.0	30 ± 4.6	19 ± 4.0	26 ± 3.5	23 ± 2.3
Trial Summary	Equivocal	Negative	Negative	Negative	Negative
Positive Control ³				642 ± 35.6	560 ± 28.4
Positive Control ⁶	942 ± 48.3	852 ± 8.2	852 ± 8.2		

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	25 ± 2.9	40 ± 4.3
100.0	29 ± 2.4	41 ± 2.0
333.0	29 ± 2.0	35 ± 1.9
1000.0	32 ± 4.4	38 ± 3.5
3333.0	21 ± 4.2	44 ± 3.0
10000.0	29 ± 5.3	30 ± 3.0
Trial Summary	Negative	Negative
Positive Control ³	1323 ± 96.2	1738 ± 38.5
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: 95% Ethanol
- 2: 1.0 ug/Plate Sodium Azide
- 3: 1.0 ug/Plate 2-Aminoanthracene
- 4: 2.5 ug/Plate 2-Aminoanthracene
- 5: 50.0 ug/Plate 9-Aminoacridine
- 6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **