

Experiment Number: 083218

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Isodecyl Diphenyl Phosphate

CAS Number: 29761-21-5

Date Report Requested: 09/11/2018

Time Report Requested: 01:28:41

NTP Study Number:

083218

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	157 ± 4.0	145 ± 1.2	169 ± 7.0	115 ± 13.5	200 ± 8.1
100.0	154 ± 4.1	140 ± 2.7	182 ± 17.0	115 ± 6.7	195 ± 14.2
333.0	148 ± 9.2	125 ± 9.2	176 ± 6.9	107 ± 7.5	168 ± 10.4
1000.0	137 ± 8.2	144 ± 2.6	181 ± 4.1	93 ± 5.2	171 ± 6.1
3333.0	135 ± 4.7	146 ± 5.6	182 ± 4.5	101 ± 10.6	172 ± 7.9
10000.0	136 ± 6.7	146 ± 4.1	172 ± 7.3	104 ± 3.4	186 ± 1.8
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					2617 ± 86.0
Positive Control ³			2764 ± 122.1	1113 ± 32.1	
Positive Control ⁴	1857 ± 53.5	1459 ± 8.7			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	107 ± 0.3
100.0	101 ± 9.4
333.0	98 ± 6.1
1000.0	112 ± 4.2
3333.0	99 ± 16.2
10000.0	97 ± 1.5
Trial Summary	Negative
Positive Control ²	1098 ± 39.6
Positive Control ³	
Positive Control ⁴	

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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	44 ± 5.5	37 ± 3.2	48 ± 3.0	11 ± 1.5	44 ± 5.4
100.0	40 ± 5.5	35 ± 4.7	45 ± 6.4	8 ± 2.7	44 ± 6.6
333.0	35 ± 1.7	30 ± 4.6	53 ± 5.2	12 ± 1.5	46 ± 5.4
1000.0	27 ± 1.5	28 ± 5.5	48 ± 3.0	15 ± 0.3	39 ± 3.8
3333.0	36 ± 2.4	33 ± 4.7	44 ± 7.2	11 ± 2.9	39 ± 0.3
10000.0	36 ± 5.5	31 ± 3.5	37 ± 2.1	9 ± 3.1	40 ± 4.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					264 ± 10.2
Positive Control ³			215 ± 21.7	149 ± 8.3	
Positive Control ⁴	1376 ± 84.6	1048 ± 63.4			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	11 ± 1.5
100.0	10 ± 1.5
333.0	16 ± 1.5
1000.0	13 ± 2.6
3333.0	14 ± 1.0
10000.0	11 ± 0.3
Trial Summary	Negative
Positive Control ²	173 ± 5.8
Positive Control ³	
Positive Control ⁴	

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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	5 ± 2.0	7 ± 1.5	11 ± 1.8	9 ± 0.3	9 ± 1.5
100.0	7 ± 1.9	6 ± 1.2	8 ± 0.7	6 ± 0.3	11 ± 2.2
333.0	3 ± 0.7	7 ± 1.8	9 ± 2.9	10 ± 2.2	9 ± 1.2
1000.0	6 ± 1.5	7 ± 0.7	5 ± 1.9	10 ± 2.0	8 ± 1.5
3333.0	5 ± 0.9	7 ± 1.3	9 ± 0.7	8 ± 1.7	8 ± 1.7
10000.0	5 ± 0.6	5 ± 0.3	6 ± 1.0	3 ± 1.3	9 ± 0.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					223 ± 0.9
Positive Control ³			249 ± 15.2	89 ± 6.7	
Positive Control ⁵	488 ± 53.7	531 ± 127.2			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	8 ± 1.5
100.0	11 ± 0.6
333.0	5 ± 0.3
1000.0	6 ± 0.7
3333.0	8 ± 1.5
10000.0	5 ± 1.0
Trial Summary	Negative
Positive Control ²	90 ± 5.0
Positive Control ³	
Positive Control ⁵	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 1.7	18 ± 3.4	27 ± 3.2	35 ± 3.2	27 ± 2.9
100.0	14 ± 1.8	17 ± 2.1	25 ± 3.8	31 ± 1.5	29 ± 2.4
333.0	17 ± 1.2	21 ± 1.5	30 ± 4.7	29 ± 3.2	25 ± 3.1
1000.0	14 ± 2.3	22 ± 2.2	23 ± 2.2	33 ± 3.5	25 ± 0.9
3333.0	14 ± 1.5	14 ± 0.3	22 ± 4.1	31 ± 7.5	30 ± 4.9
10000.0	18 ± 1.0	16 ± 2.6	28 ± 3.1	32 ± 4.7	30 ± 3.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					2253 ± 141.1
Positive Control ³			2254 ± 62.1	813 ± 10.1	
Positive Control ⁶	1294 ± 27.7	1303 ± 28.9			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	25 ± 2.1
100.0	29 ± 2.0
333.0	25 ± 2.3
1000.0	28 ± 3.2
3333.0	30 ± 1.5
10000.0	28 ± 2.1
Trial Summary	Negative
Positive Control ²	823 ± 16.7
Positive Control ³	
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: 0.75 ug/Plate 2-Aminoanthracene

3: 1.5 ug/Plate 2-Aminoanthracene

4: 2.5 ug/Plate Sodium Azide

5: 80.0 ug/Plate 9-Aminoacridine

6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****