

Experiment Number: 021089

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: p-Isopropoxydiphenylamine

CAS Number: 101-73-5

Date Report Requested: 09/14/2018

Time Report Requested: 12:42:16

NTP Study Number:

021089

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	103 ± 5.0	116 ± 12.5	103 ± 5.5	131 ± 6.0	105 ± 5.8
0.3	103 ± 11.2	112 ± 14.4			
1.0	113 ± 12.3	106 ± 5.4			
3.0	91 ± 3.3	113 ± 12.7			
10.0	103 ± 3.9	105 ± 6.6	103 ± 10.7	137 ± 7.8	101 ± 8.3
16.0		99 ± 6.8			
33.0	93 ± 5.5 ^s		98 ± 9.7	119 ± 6.3	102 ± 7.9
100.0			104 ± 4.5	107 ± 7.8	81 ± 4.1
333.0			108 ± 8.0	116 ± 16.8	99 ± 20.3
666.0			71 ± 3.2 ^s	98 ± 5.5	59 ± 5.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					521 ± 25.0
Positive Control ³			398 ± 21.1	231 ± 9.5	
Positive Control ⁴	326 ± 3.6	589 ± 23.7			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	145 ± 2.1
0.3	
1.0	
3.0	
10.0	134 ± 6.3
16.0	
33.0	104 ± 9.9
100.0	130 ± 7.2
333.0	117 ± 8.0
666.0	111 ± 7.7
Trial Summary	Negative
Positive Control ²	
Positive Control ³	583 ± 15.5
Positive Control ⁴	

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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	36 ± 2.5	20 ± 0.6	16 ± 0.3	19 ± 1.2	19 ± 3.0
0.3	37 ± 4.7	25 ± 3.0			
1.0	27 ± 3.4	26 ± 3.1			
3.0	38 ± 3.3	24 ± 3.7			
10.0	41 ± 3.3	23 ± 4.7	10 ± 1.2	15 ± 2.6	13 ± 0.9
16.0		25 ± 4.0			
33.0	25 ± 4.1 ^s		12 ± 1.2	15 ± 0.0	16 ± 2.3
100.0			9 ± 1.8	11 ± 2.5	17 ± 2.0
333.0			10 ± 1.2	12 ± 0.9	12 ± 1.2
666.0			7 ± 2.3	11 ± 3.5	15 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³					310 ± 3.3
Positive Control ⁴	678 ± 28.6	557 ± 30.1			
Positive Control ⁵			190 ± 10.1	74 ± 0.3	

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	12 ± 1.9
0.3	
1.0	
3.0	
10.0	11 ± 2.0
16.0	
33.0	10 ± 3.5
100.0	8 ± 2.1
333.0	10 ± 1.5
666.0	12 ± 1.0
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	
Positive Control ⁵	516 ± 25.1

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control ¹	134 ± 6.0	162 ± 4.7	154 ± 4.9	200 ± 0.6	182 ± 11.0
0.3	134 ± 4.3	165 ± 6.4			
1.0	152 ± 4.0	162 ± 5.3			
3.0	147 ± 4.6	165 ± 4.7			
10.0	142 ± 1.0	165 ± 6.0	136 ± 12.2	203 ± 13.7	169 ± 23.6
16.0		174 ± 11.5			
33.0	145 ± 3.6 ^s		144 ± 18.8	201 ± 6.4	202 ± 4.4
100.0			154 ± 6.9	180 ± 8.5	198 ± 7.9
333.0			97 ± 9.3	148 ± 5.2	127 ± 14.1
666.0			81 ± 25.2 ^s	99 ± 13.9	94 ± 6.3 ^s
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					340 ± 4.9
Positive Control ³			360 ± 6.1		
Positive Control ⁵				370 ± 14.4	
Positive Control ⁶	822 ± 93.9	1159 ± 39.9			

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Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	209 ± 3.5
0.3	
1.0	
3.0	
10.0	206 ± 5.5
16.0	
33.0	187 ± 11.5
100.0	194 ± 8.4
333.0	163 ± 11.8
666.0	155 ± 2.2
Trial Summary	Negative
Positive Control ²	
Positive Control ³	369 ± 16.3
Positive Control 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	28 ± 1.5	19 ± 3.5	31 ± 2.3	38 ± 1.9	42 ± 3.1
0.3	28 ± 5.0	22 ± 3.8			
1.0	23 ± 3.8	18 ± 3.2			
3.0	27 ± 1.0	23 ± 2.3			
10.0	25 ± 3.2	17 ± 0.9	26 ± 3.4	39 ± 0.7	43 ± 4.4
16.0		19 ± 3.8			
33.0	20 ± 0.9 ^s		24 ± 2.8	37 ± 3.2	46 ± 6.9
100.0			26 ± 3.2	44 ± 0.9	33 ± 1.7
333.0			22 ± 3.4	33 ± 2.2	32 ± 4.4
666.0			20 ± 0.6	26 ± 0.9	24 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²					483 ± 33.3
Positive Control ³			673 ± 13.6	126 ± 6.6	
Positive Control ⁷	505 ± 21.7	703 ± 4.7			

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	42 ± 0.9
0.3	
1.0	
3.0	
10.0	36 ± 4.0
16.0	
33.0	35 ± 3.3
100.0	39 ± 1.0
333.0	31 ± 1.2
666.0	32 ± 3.5
Trial Summary	Negative
Positive Control ²	
Positive Control ³	377 ± 38.1
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: Dimethyl Sulfoxide

2: 0.5 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 2-Aminoanthracene

6: 50.0 ug/Plate 9-Aminoacridine

7: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****