

Experiment Number: 619246

Test Type: Genetic Toxicology - Bacterial  
Mutagenicity

**G06: Ames Summary Data**

Test Compound: Isopropyl Phenyl Diphenyl Phosphate (Ipdp Mixed Isomers)

CAS Number: 28108-99-8

Date Report Requested: 09/15/2018

Time Report Requested: 07:51:43

**NTP Study Number:**

619246

**Study Result:**

Negative

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CAS Number: 28108-99-8

## Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	95 ± 1.8	110 ± 4.2	97 ± 4.8	112 ± 3.5	75 ± 8.2
100.0	109 ± 4.3	107 ± 2.6	97 ± 8.3	106 ± 1.3	91 ± 4.7
333.0	93 ± 4.3	109 ± 1.0	99 ± 5.5	115 ± 5.5	92 ± 1.7
1000.0	105 ± 3.0	114 ± 6.1	99 ± 8.7	125 ± 9.4	95 ± 6.6
3333.0	104 ± 4.6	110 ± 12.2	114 ± 5.8	127 ± 2.4	104 ± 5.3
10000.0	115 ± 1.2	111 ± 4.9	98 ± 4.2	130 ± 9.3	102 ± 8.4
Trial Summary	Negative	Negative	Negative	Negative	Equivocal
Positive Control <sup>2</sup>		162 ± 2.7			
Positive Control <sup>3</sup>					1006 ± 26.3
Positive Control <sup>4</sup>					
Positive Control <sup>5</sup>			2093 ± 37.7		
Positive Control <sup>6</sup>				521 ± 8.9	
Positive Control <sup>7</sup>	1300 ± 44.3				

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**Strain: TA100**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	118 ± 2.6
100.0	124 ± 8.8
333.0	111 ± 7.7
1000.0	118 ± 2.3
3333.0	110 ± 5.2
10000.0	128 ± 3.8
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	338 ± 8.8
Positive Control <sup>5</sup>	
Positive Control <sup>6</sup>	
Positive Control <sup>7</sup>	

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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 <sup>1</sup>	27 ± 1.2	27 ± 1.5	9 ± 2.4	16 ± 2.3	12 ± 1.5
100.0	21 ± 2.5	28 ± 1.9	8 ± 1.5	14 ± 2.9	10 ± 0.9
333.0	31 ± 3.8	23 ± 6.1	9 ± 1.8	15 ± 0.6	10 ± 3.0
1000.0	24 ± 3.3	23 ± 2.2	11 ± 1.2	15 ± 1.2	10 ± 0.6
3333.0	28 ± 2.9	23 ± 2.4	8 ± 0.3	14 ± 0.9	11 ± 0.9
10000.0	26 ± 2.3	26 ± 0.9	10 ± 0.6	13 ± 3.1	12 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>2</sup>		44 ± 2.2			
Positive Control <sup>3</sup>					71 ± 4.6
Positive Control <sup>4</sup>					
Positive Control <sup>5</sup>			95 ± 5.6	73 ± 7.0	
Positive Control <sup>7</sup>	834 ± 22.2				

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Time Report Requested: 07:51:43

CAS Number: 28108-99-8

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**Strain: TA1535**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	15 ± 0.3
100.0	12 ± 0.6
333.0	14 ± 3.2
1000.0	13 ± 2.2
3333.0	13 ± 2.5
10000.0	15 ± 2.9
Trial Summary	Negative
Positive Control <sup>2</sup>	
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	64 ± 1.5
Positive Control <sup>5</sup>	
Positive Control <sup>7</sup>	

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CAS Number: 28108-99-8

## Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	86 ± 9.4	99 ± 5.2	122 ± 11.1	190 ± 12.3	116 ± 4.9
100.0	88 ± 8.0	93 ± 6.0	129 ± 3.0	171 ± 6.1	103 ± 4.4
333.0	94 ± 9.3	88 ± 5.7	99 ± 12.5	176 ± 6.3	100 ± 5.8
1000.0	71 ± 4.3	87 ± 5.8	120 ± 4.0	172 ± 1.0	102 ± 2.2
3333.0	93 ± 4.3	93 ± 7.0	132 ± 11.8	184 ± 4.4	105 ± 9.0
10000.0	89 ± 8.4	95 ± 3.4	125 ± 1.7	203 ± 7.0	110 ± 2.6
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>3</sup>					502 ± 5.8
Positive Control <sup>4</sup>					
Positive Control <sup>5</sup>			900 ± 26.1		
Positive Control <sup>6</sup>				421 ± 1.5	
Positive Control <sup>8</sup>	1045 ± 12.9	1010 ± 12.2			
Positive Control <sup>9</sup>					

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**Strain: TA97**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	146 ± 4.7
100.0	195 ± 2.7
333.0	185 ± 13.4
1000.0	154 ± 6.7
3333.0	171 ± 7.0
10000.0	164 ± 13.2
Trial Summary	Equivocal
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	312 ± 15.7
Positive Control <sup>5</sup>	
Positive Control <sup>6</sup>	
Positive Control <sup>8</sup>	
Positive Control <sup>9</sup>	

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CAS Number: 28108-99-8

## Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control <sup>1</sup>	13 ± 0.9	22 ± 3.3	33 ± 2.3	31 ± 4.1	26 ± 2.6
100.0	16 ± 5.7	19 ± 2.3	35 ± 1.2	37 ± 3.7	30 ± 4.5
333.0	15 ± 3.5	19 ± 2.6	34 ± 1.2	41 ± 3.3	29 ± 1.7
1000.0	13 ± 1.5	17 ± 0.6	30 ± 5.5	35 ± 2.3	25 ± 1.5
3333.0	14 ± 2.1	18 ± 2.3	33 ± 0.9	29 ± 0.6	28 ± 3.5
10000.0	13 ± 0.9	17 ± 3.8	33 ± 1.9	30 ± 2.7	27 ± 3.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control <sup>10</sup>					
Positive Control <sup>3</sup>					458 ± 31.5
Positive Control <sup>4</sup>				158 ± 5.7	
Positive Control <sup>11</sup>		156 ± 3.7			
Positive Control <sup>5</sup>			1128 ± 21.2		
Positive Control <sup>12</sup>	1859 ± 21.6				



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**Strain: TA98**

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<b>Dose (ug/Plate)</b>	<b>With 30% Hamster S9</b>
Vehicle Control <sup>1</sup>	33 ± 1.5
100.0	35 ± 3.1
333.0	31 ± 4.7
1000.0	29 ± 3.3
3333.0	28 ± 1.2
10000.0	31 ± 4.4
Trial Summary	Negative
Positive Control <sup>10</sup>	67 ± 6.2
Positive Control <sup>3</sup>	
Positive Control <sup>4</sup>	
Positive Control <sup>11</sup>	
Positive Control <sup>5</sup>	
Positive Control <sup>12</sup>	

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**LEGEND**

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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: 0.25 ug/Plate Sodium Azide

3: 0.75 ug/Plate 2-Aminoanthracene

4: 1.0 ug/Plate 2-Aminoanthracene

5: 1.5 ug/Plate 2-Aminoanthracene

6: 2.0 ug/Plate 2-Aminoanthracene

7: 2.5 ug/Plate Sodium Azide

8: 3.5 ug/Plate 9-Aminoacridine

9: 4.0 ug/Plate 9-Aminoacridine

10: 0.4 ug/Plate 2-Aminoanthracene

11: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

12: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine

**\*\* END OF REPORT \*\***