

Experiment Number: 176745

Test Type: **Genetic Toxicology - Bacterial
Mutagenicity**

G06: Ames Summary Data

Test Compound: 2,4,6,2,6-Pentachlorotoluene

CAS Number: 13014-18-1

Date Report Requested: 09/13/2018

Time Report Requested: 14:42:28

NTP Study Number:

176745

Study Result:

Positive

Experiment Number: 176745

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2,4,a,a,a-Pentachlorotoluene
CAS Number: 13014-18-1

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	120 ± 4.5	172 ± 8.7	170 ± 2.6	137 ± 6.7	165 ± 6.2
1.0	144 ± 5.0				
3.0	146 ± 8.3				
10.0	104 ± 9.7			160 ± 5.3	
16.0	99 ± 7.2				
33.0	0 ± 0.0 ^s	156 ± 13.7		164 ± 1.5	175 ± 9.0
100.0		168 ± 14.9	219 ± 2.3	212 ± 13.0	231 ± 8.1
166.0			252 ± 14.9		334 ± 43.2
333.0		407 ± 23.7	395 ± 30.6	409 ± 18.6	510 ± 15.7
666.0			556 ± 40.6		941 ± 36.4
1000.0		842 ± 56.8	733 ± 82.3	840 ± 40.8	
3333.0		337 ± 36.6 ^s			
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²				473 ± 33.1	525 ± 18.7
Positive Control ³	344 ± 8.0				
Positive Control ⁴		556 ± 19.2	562 ± 16.0		

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Test Compound: 2,4,a,a,a-Pentachlorotoluene
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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	25 ± 1.2	24 ± 1.8	36 ± 6.0	32 ± 4.4	36 ± 6.2
1.0	21 ± 3.7				
3.0	22 ± 2.2				
10.0	12 ± 1.8				28 ± 1.5
16.0	12 ± 0.9				
33.0	9 ± 2.2 ^s	30 ± 1.5			27 ± 2.2
100.0		26 ± 3.1		37 ± 5.5	30 ± 5.4
333.0		24 ± 2.6	46 ± 4.4	59 ± 4.3	37 ± 6.7
666.0			61 ± 4.6	56 ± 0.6	
1000.0		54 ± 7.6	77 ± 4.6	67 ± 12.9	87 ± 0.9
1666.0			84 ± 9.8	63 ± 3.1	
3333.0		40 ± 5.7	91 ± 5.9		
Trial Summary	Negative	Equivocal	Positive	Weakly Positive	Equivocal
Positive Control ²		178 ± 15.6	148 ± 10.5	162 ± 1.2	370 ± 7.5
Positive Control ⁵	636 ± 5.0				

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Test Compound: 2,4,6,6-tetrachloro-1,3,5-triazine
CAS Number: 13014-18-1

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	33 ± 2.0	42 ± 2.0
1.0		
3.0		
10.0		
16.0		
33.0		
100.0	28 ± 2.1	44 ± 4.2
333.0	40 ± 5.4	70 ± 5.0
666.0	58 ± 2.7	101 ± 7.1
1000.0	69 ± 2.4	129 ± 16.8
1666.0	99 ± 2.7	171 ± 16.5
3333.0		
Trial Summary	Positive	Positive
Positive Control ²	377 ± 46.2	318 ± 18.6
Positive Control ⁵		

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Test Compound: 2,4,6,6-tetrachloro-1,3,5-triazine

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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: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****