

Experiment Number: 261095

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

G06: Ames Summary Data

Test Compound: **Palladium chloride (2+)**

CAS Number: 7647-10-1

Date Report Requested: 09/11/2018

Time Report Requested: 02:58:37

NTP Study Number:

261095

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	105 ± 3.4	149 ± 9.2	133 ± 10.8	146 ± 10.1	131 ± 10.4
0.3	128 ± 8.2	166 ± 6.2			
1.0	113 ± 5.8	159 ± 2.9			
3.0	106 ± 8.2	160 ± 10.6	122 ± 9.9	152 ± 13.3	121 ± 9.4
10.0	108 ± 7.5	135 ± 4.1	110 ± 8.5	154 ± 5.1	110 ± 8.7
33.0	83 ± 4.3	76 ± 5.2 ^s	103 ± 6.7	157 ± 3.9	116 ± 6.1
100.0			110 ± 4.2	159 ± 13.6	101 ± 5.3
333.0			Toxic	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1938 ± 66.0	820 ± 32.1	2649 ± 40.4
Positive Control ³	233 ± 6.2	507 ± 0.3			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	176 ± 4.2
0.3	
1.0	
3.0	140 ± 1.0
10.0	151 ± 1.8
33.0	149 ± 8.5
100.0	136 ± 6.1
333.0	Toxic
Trial Summary	Negative
Positive Control ²	1901 ± 61.3
Positive Control ³	

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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	10 ± 2.5	21 ± 3.8	7 ± 1.0	9 ± 2.7	5 ± 1.5
0.3	15 ± 1.5	22 ± 3.0			
1.0	12 ± 0.3	20 ± 1.0			
3.0	9 ± 2.5	17 ± 1.7	8 ± 2.7	12 ± 1.5	7 ± 1.2
10.0	10 ± 1.8	20 ± 2.6	6 ± 0.3	16 ± 1.7	5 ± 1.3
33.0	2 ± 1.5 ^s	12 ± 3.1	9 ± 1.7	9 ± 3.1	6 ± 0.9
100.0			12 ± 1.3	15 ± 1.0	4 ± 1.3
333.0			3 ± 1.2	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³	154 ± 2.8	407 ± 1.2			
Positive Control ⁴			542 ± 39.0	506 ± 17.9	530 ± 29.1

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.6
0.3	
1.0	
3.0	12 ± 2.0
10.0	9 ± 2.3
33.0	6 ± 0.7
100.0	8 ± 1.9
333.0	Toxic
Trial Summary	Negative
Positive Control ³	
Positive Control ⁴	464 ± 22.8

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G06: Ames Summary Data

Test Compound: Palladium chloride (2+)

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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 ± 0.7	8 ± 2.0	5 ± 1.5	4 ± 0.7	6 ± 0.3
0.3	5 ± 0.6	6 ± 0.6			
1.0	4 ± 1.2	4 ± 1.0			
3.0	4 ± 0.6	5 ± 0.6	6 ± 1.2	10 ± 3.2	4 ± 0.3
10.0	5 ± 0.9	5 ± 0.6	4 ± 0.7	7 ± 0.9	4 ± 1.2
33.0	4 ± 0.9	4 ± 1.2	3 ± 0.0	11 ± 2.3	5 ± 0.3
100.0			3 ± 0.7	4 ± 0.3	5 ± 0.9
333.0			0 ± 0.3 ^s	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ⁴			231 ± 3.2	356 ± 8.3	89 ± 8.9
Positive Control ⁵	216 ± 54.9	106 ± 16.8			

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	7 ± 0.3
0.3	
1.0	
3.0	5 ± 1.2
10.0	6 ± 0.6
33.0	4 ± 0.7
100.0	8 ± 0.3
333.0	Toxic
Trial Summary	Negative
Positive Control ⁴	479 ± 40.9
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	22 ± 3.9	19 ± 0.3	35 ± 3.6	30 ± 1.7	28 ± 2.2
0.3	24 ± 3.2	24 ± 2.6			
1.0	26 ± 1.2	25 ± 3.0			
3.0	21 ± 3.6	21 ± 2.0	27 ± 1.2	31 ± 3.2	29 ± 2.6
10.0	19 ± 1.2	16 ± 0.6	30 ± 0.9	28 ± 1.5	33 ± 3.5
33.0	5 ± 1.2 ^s	7 ± 1.2 ^s	22 ± 2.4	34 ± 2.4	27 ± 3.8
100.0			30 ± 6.7	37 ± 3.2	24 ± 5.9
333.0			2 ± 0.9 ^s	Toxic	Toxic
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			1465 ± 18.5	612 ± 9.1	2152 ± 45.1
Positive Control ⁶	619 ± 20.5	943 ± 78.7			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	37 ± 4.6
0.3	
1.0	
3.0	25 ± 3.8
10.0	28 ± 2.6
33.0	29 ± 1.5
100.0	26 ± 4.3
333.0	Toxic
Trial Summary	Negative
Positive Control ²	1551 ± 162.2
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: Water

2: 1.0 ug/Plate 2-Aminoanthracene

3: 1.0 ug/Plate Sodium Azide

4: 2.5 ug/Plate 2-Aminoanthracene

5: 50.0 ug/Plate 9-Aminoacridine

6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****