

Experiment Number: 535797

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

G06: Ames Summary Data

Test Compound: **p-Quinone**

CAS Number: **106-51-4**

Date Report Requested: **09/13/2018**

Time Report Requested: **00:14:49**

NTP Study Number:

535797

Study Result:

Negative

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Date Report Requested: 09/13/2018

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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	146 ± 3.8	129 ± 9.3	160 ± 11.1	163 ± 1.7	196 ± 3.5
0.33	146 ± 16.8	123 ± 6.0	166 ± 4.4	157 ± 5.8	187 ± 4.0
1.0	153 ± 1.8	133 ± 3.9	179 ± 1.5	166 ± 15.7	196 ± 5.2
3.3	152 ± 3.5	129 ± 2.4	175 ± 14.4	145 ± 16.9	218 ± 17.9
10.0	139 ± 2.3	114 ± 4.7	183 ± 4.3	165 ± 11.3	231 ± 13.2
33.0	103 ± 12.5	97 ± 5.5	216 ± 2.8	172 ± 30.5	271 ± 8.8
Trial Summary	Negative	Negative	Equivocal	Negative	Equivocal
Positive Control ²			408 ± 12.7	356 ± 33.2	1233 ± 174.5
Positive Control ³	493 ± 92.2	454 ± 6.1			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	166 ± 15.0
0.33	176 ± 9.7
1.0	168 ± 3.8
3.3	161 ± 13.3
10.0	184 ± 7.9
33.0	184 ± 26.8
Trial Summary	Negative
Positive Control ²	744 ± 125.8
Positive Control ³	

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	10 ± 0.6	11 ± 1.3	12 ± 0.5	9 ± 0.6	10 ± 2.4
0.33	9 ± 0.3	13 ± 1.7	12 ± 1.3	8 ± 1.2	15 ± 3.2
1.0	8 ± 1.2	9 ± 2.0	14 ± 0.7	9 ± 1.0	12 ± 1.0
3.3	10 ± 0.9	13 ± 1.5	15 ± 0.9	9 ± 0.6	10 ± 0.9
10.0	7 ± 0.3	9 ± 1.0	13 ± 1.2	6 ± 0.6	12 ± 3.3
33.0	4 ± 1.9	6 ± 1.0	14 ± 0.7	6 ± 1.5	11 ± 2.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			39 ± 8.7	90 ± 8.5	79 ± 7.5
Positive Control ³	529 ± 25.4	682 ± 32.5			

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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 ± 0.3	6 ± 1.0	5 ± 0.0	11 ± 3.5	5 ± 0.3
0.33	5 ± 0.3	9 ± 2.5	5 ± 0.0	11 ± 0.5	5 ± 0.9
1.0	4 ± 0.7	6 ± 0.9	5 ± 0.3	9 ± 1.2	5 ± 0.3
3.3	6 ± 0.3	9 ± 1.2	5 ± 0.0	11 ± 2.0	6 ± 1.0
10.0	5 ± 0.3	8 ± 0.9	4 ± 0.3	11 ± 0.9	6 ± 0.3
33.0	1 ± 0.7	3 ± 1.2	5 ± 0.9	13 ± 1.7	6 ± 0.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			37 ± 1.2	37 ± 7.4	104 ± 11.7
Positive Control ⁴	145 ± 11.7	128 ± 14.3			

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Test Compound: **p-Quinone**

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Date Report Requested: **09/13/2018**

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	9 ± 2.1
0.33	10 ± 1.8
1.0	10 ± 2.1
3.3	10 ± 0.9
10.0	11 ± 0.9
33.0	11 ± 0.6
Trial Summary	Negative
Positive Control ²	73 ± 7.9
Positive Control ⁴	

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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	23 ± 4.4	34 ± 4.0	31 ± 1.7	34 ± 4.0
0.33	22 ± 1.5	17 ± 3.8	32 ± 2.2	28 ± 3.0	36 ± 3.5
1.0	23 ± 1.8	19 ± 3.5	38 ± 1.9	30 ± 2.6	34 ± 0.7
3.3	20 ± 0.0	22 ± 2.9	34 ± 0.9	32 ± 0.9	36 ± 2.3
10.0	20 ± 1.5	22 ± 2.3	34 ± 0.6	37 ± 5.2	39 ± 2.7
33.0	14 ± 1.9	12 ± 2.5	37 ± 1.3	31 ± 2.2	43 ± 5.0
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			393 ± 42.5	295 ± 8.4	942 ± 65.0
Positive Control ⁵	153 ± 15.5	223 ± 27.4			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	28 ± 3.3
0.33	28 ± 1.8
1.0	30 ± 2.2
3.3	30 ± 1.2
10.0	29 ± 1.7
33.0	32 ± 1.5
Trial Summary	Negative
Positive Control ²	637 ± 56.3
Positive Control ⁵	

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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: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****