

Experiment Number: 674324

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Resorcinol

CAS Number: 108-46-3

Date Report Requested: 09/12/2018

Time Report Requested: 06:19:27

NTP Study Number:

674324

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	96 ± 6.4	134 ± 20.9	128 ± 5.0	170 ± 24.3	134 ± 5.2
33.0	112 ± 13.9	153 ± 21.4	154 ± 14.6	173 ± 11.0	143 ± 2.2
100.0	97 ± 5.9	143 ± 23.1	119 ± 2.4	161 ± 21.2	131 ± 6.4
333.0	87 ± 3.9	139 ± 26.1	144 ± 4.8	182 ± 18.9	103 ± 8.5
1000.0	87 ± 5.6	127 ± 20.0	138 ± 7.2	174 ± 18.7	121 ± 8.3
3333.0	68 ± 4.4	91 ± 11.7	128 ± 11.7	171 ± 21.5	127 ± 15.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			382 ± 90.7	780 ± 219.1	578 ± 10.6
Positive Control ³	423 ± 10.4	432 ± 9.7			

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	166 ± 16.9
33.0	191 ± 24.6
100.0	169 ± 19.2
333.0	161 ± 29.6
1000.0	150 ± 15.8
3333.0	132 ± 14.4
Trial Summary	Negative
Positive Control ²	925 ± 179.7
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	6 ± 0.0	5 ± 1.9	10 ± 0.7	11 ± 0.7	12 ± 1.2
33.0	7 ± 0.9	10 ± 2.8	10 ± 4.6	10 ± 2.0	15 ± 2.4
100.0	5 ± 1.2	10 ± 2.9	11 ± 2.7	13 ± 0.9	15 ± 1.2
333.0	6 ± 2.2	8 ± 1.2	9 ± 1.7	10 ± 1.9	15 ± 2.0
1000.0	9 ± 1.3	8 ± 2.3	9 ± 1.7	9 ± 2.3	11 ± 1.2
3333.0	6 ± 0.7	9 ± 1.5	8 ± 0.3	12 ± 4.0	12 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			57 ± 7.1	48 ± 2.3	44 ± 9.1
Positive Control ³	367 ± 14.1	328 ± 13.8			

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Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	11 ± 3.8
33.0	10 ± 2.4
100.0	10 ± 2.9
333.0	12 ± 1.3
1000.0	9 ± 1.7
3333.0	9 ± 2.7
Trial Summary	Negative
Positive Control ²	47 ± 11.8
Positive Control ³	

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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	6 ± 0.7	5 ± 1.8	9 ± 2.0	6 ± 1.7	6 ± 0.9
33.0	4 ± 1.3	5 ± 0.7	7 ± 0.9	7 ± 0.6	6 ± 0.0
100.0	6 ± 1.2	5 ± 0.6	5 ± 1.3	7 ± 2.0	6 ± 1.5
333.0	7 ± 0.6	7 ± 1.5	10 ± 0.6	12 ± 2.2	7 ± 1.5
1000.0	6 ± 0.6	7 ± 1.2	7 ± 0.7	9 ± 0.9	6 ± 1.5
3333.0	5 ± 0.6	6 ± 0.7	7 ± 2.1	8 ± 1.5	5 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			25 ± 2.3	30 ± 3.6	42 ± 1.5
Positive Control ⁴	52 ± 15.7	44 ± 3.9			

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Date Report Requested: 09/12/2018

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Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	6 ± 0.9
33.0	7 ± 0.9
100.0	7 ± 0.6
333.0	6 ± 0.7
1000.0	7 ± 0.7
3333.0	5 ± 0.9
Trial Summary	Negative
Positive Control ²	51 ± 5.2
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	16 ± 2.6	15 ± 1.3	27 ± 2.2	28 ± 2.9	16 ± 1.3
33.0	9 ± 2.3	9 ± 0.6	25 ± 3.5	24 ± 1.9	25 ± 2.6
100.0	8 ± 1.5	9 ± 0.9	19 ± 2.1	18 ± 3.2	21 ± 1.0
333.0	13 ± 1.5	11 ± 1.5	26 ± 2.4	25 ± 0.9	22 ± 4.3
1000.0	22 ± 2.2	18 ± 2.6	21 ± 1.2	23 ± 1.5	21 ± 2.7
3333.0	12 ± 1.2	15 ± 2.2	20 ± 2.3	20 ± 2.0	19 ± 0.7
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²			143 ± 12.4	183 ± 20.3	435 ± 34.1
Positive Control ⁵	213 ± 16.2	204 ± 8.5			

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Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	23 ± 4.0
33.0	25 ± 1.5
100.0	17 ± 2.1
333.0	24 ± 1.7
1000.0	26 ± 2.9
3333.0	20 ± 0.6
Trial Summary	Negative
Positive Control ²	478 ± 53.0
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: Water

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 **