

Experiment Number: 206555

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

G06: Ames Summary Data

Test Compound: **2-Amino-4-methylphenol**

CAS Number: **95-84-1**

Date Report Requested: **09/14/2018**

Time Report Requested: **14:28:06**

NTP Study Number:

206555

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	84 ± 9.5	81 ± 3.8	78 ± 1.2	93 ± 8.0	95 ± 3.5
10.0		87 ± 5.5	85 ± 4.5		
33.0	108 ± 2.9	104 ± 5.3	98 ± 6.1	108 ± 5.0	103 ± 9.2
100.0	140 ± 8.2	152 ± 5.6	117 ± 3.1	161 ± 8.2	107 ± 4.9
333.0	237 ± 10.7	257 ± 0.7	214 ± 1.3	222 ± 18.0	192 ± 11.3
1000.0	348 ± 21.5	376 ± 7.6	286 ± 7.6	316 ± 7.3	268 ± 5.5
3333.0	5 ± 1.0			361 ± 13.3	340 ± 44.3
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²					
Positive Control ³	89 ± 10.7	304 ± 6.2	334 ± 18.4		
Positive Control ⁴				380 ± 8.6	382 ± 5.6

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Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	91 ± 1.3	90 ± 4.6
10.0		
33.0	112 ± 0.9	95 ± 4.2
100.0	152 ± 9.0	105 ± 2.0
333.0	242 ± 12.8	194 ± 3.0
1000.0	352 ± 19.2	287 ± 23.4
3333.0	403 ± 10.0	340 ± 4.6
Trial Summary	Positive	Positive
Positive Control ²	450 ± 33.5	504 ± 10.0
Positive Control ³		
Positive Control ⁴		

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Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	12 ± 3.5	11 ± 2.2	12 ± 0.6	8 ± 0.7	7 ± 1.2
10.0		12 ± 2.0	21 ± 4.5		
33.0	17 ± 1.3	13 ± 2.1	23 ± 2.3	7 ± 1.8	6 ± 1.7
100.0	14 ± 3.3	19 ± 3.1	23 ± 1.9	8 ± 0.7	6 ± 1.3
333.0	26 ± 1.0	22 ± 4.3	21 ± 1.5	Toxic	5 ± 1.6
1000.0	17 ± 1.5	17 ± 0.9	22 ± 1.5	7 ± 1.5	6 ± 2.5
3333.0	1 ± 1.0 ^s			7 ± 0.0	7 ± 0.7
Trial Summary	Equivocal	Equivocal	Negative	Negative	Negative
Positive Control ²					54 ± 2.6
Positive Control ³	28 ± 3.7	184 ± 7.4	170 ± 13.1		
Positive Control ⁵				108 ± 7.5	

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Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	169 ± 14.4	92 ± 6.6	91 ± 9.2	220 ± 4.5	265 ± 17.0
10.0		86 ± 7.5	73 ± 6.1		
33.0	206 ± 8.4	110 ± 15.2	102 ± 4.6	203 ± 2.8	276 ± 3.5
100.0	185 ± 10.7	116 ± 9.0	103 ± 4.9	198 ± 5.6	202 ± 24.6
333.0	216 ± 9.5	149 ± 14.4	124 ± 6.5	196 ± 0.5	209 ± 4.2
1000.0	229 ± 19.3	193 ± 2.6	182 ± 10.4 ^s	213 ± 7.8	227 ± 9.5
3333.0	0 ± 0.0 ^s			104 ± 8.3	245 ± 30.4
Trial Summary	Equivocal	Positive	Weakly Positive	Negative	Negative
Positive Control ⁴					814 ± 27.7
Positive Control ⁵				953 ± 46.3	
Positive Control ⁶	140 ± 0.6				
Positive Control ⁷		783 ± 86.0	482 ± 26.6		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	12 ± 1.9	22 ± 2.0	24 ± 1.8
10.0	14 ± 1.2		
33.0	13 ± 2.5	26 ± 1.5	23 ± 4.0
100.0	15 ± 1.5	29 ± 1.3	25 ± 2.0
333.0	12 ± 0.9	30 ± 3.7	28 ± 2.9
1000.0	17 ± 4.2	21 ± 2.0	25 ± 2.1
3333.0		16 ± 1.2 ^s	24 ± 1.2
Trial Summary	Negative	Negative	Negative
Positive Control ⁸			154 ± 11.0
Positive Control ²		145 ± 17.4	
Positive Control ⁹	138 ± 7.2		

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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: 0.4 ug/Plate 2-Aminoanthracene

3: 0.5 ug/Plate Sodium Azide

4: 0.75 ug/Plate 2-Aminoanthracene

5: 2.0 ug/Plate 2-Aminoanthracene

6: 3.5 ug/Plate 9-Aminoacridine

7: 4.0 ug/Plate 9-Aminoacridine

8: 0.2 ug/Plate 2-Aminoanthracene

9: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

s: Slight Toxicity

**** END OF REPORT ****