

Experiment Number: 529702

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Diazoaminobenzene

CAS Number: 136-35-6

Date Report Requested: 09/12/2018

Time Report Requested: 23:34:11

NTP Study Number:

529702

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	114 ± 5.8	122 ± 8.8	157 ± 5.3	125 ± 11.9	136 ± 10.7
0.1	109 ± 8.8				
0.3	113 ± 6.1		146 ± 3.6		140 ± 4.5
1.0	112 ± 7.2	185 ± 7.5	191 ± 12.2	150 ± 20.0	193 ± 18.9
3.0	109 ± 2.3	243 ± 15.9	262 ± 5.2	187 ± 17.0	213 ± 12.4
10.0	65 ± 6.4	321 ± 7.6	316 ± 0.3	226 ± 6.1	276 ± 4.8
33.0		353 ± 10.4	387 ± 13.7	259 ± 7.4	294 ± 14.8
100.0		227 ± 16.7		242 ± 29.4	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²		510 ± 10.1	474 ± 11.1	1921 ± 50.9	1346 ± 89.1
Positive Control ³	301 ± 4.0				

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Strain: TA1535

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 1.8	9 ± 2.2	8 ± 0.6
0.1	21 ± 2.0		
0.3	23 ± 2.7		
1.0	28 ± 1.7	13 ± 1.0	6 ± 0.6
3.0	24 ± 5.4	12 ± 0.3	8 ± 0.0
10.0	13 ± 3.0	11 ± 2.3	10 ± 2.0
33.0		10 ± 2.6	7 ± 1.5
100.0		10 ± 1.8	8 ± 0.3
Trial Summary	Negative	Negative	Negative
Positive Control ³	311 ± 14.7		
Positive Control ⁴		133 ± 11.7	388 ± 28.7

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Strain: TA1537

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	6 ± 1.9	4 ± 1.2	6 ± 0.9	7 ± 0.3	5 ± 0.7
0.1	7 ± 2.6				
0.3	6 ± 0.3		25 ± 1.9		13 ± 0.7
1.0	5 ± 0.9	39 ± 6.5	32 ± 3.2	24 ± 4.3	21 ± 2.0
3.0	5 ± 1.2	97 ± 9.8	85 ± 6.1	48 ± 3.2	42 ± 4.9
10.0	5 ± 0.9	165 ± 15.6	125 ± 14.5	76 ± 15.4	69 ± 7.5
33.0		189 ± 9.6	124 ± 10.0	126 ± 7.6	107 ± 20.4
100.0		130 ± 14.4		108 ± 7.4	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ⁴		119 ± 10.5	180 ± 7.3	363 ± 4.0	483 ± 19.3
Positive Control ⁵	201 ± 24.8				

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Strain: TA98

Dose (ug/Plate)	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	17 ± 1.7	17 ± 2.0	24 ± 2.3	24 ± 4.9	19 ± 0.3
0.1	16 ± 2.0				
0.3	16 ± 2.0		25 ± 3.3		29 ± 5.5
1.0	13 ± 0.7	55 ± 0.7	45 ± 2.9	46 ± 2.2	32 ± 7.0
3.0	16 ± 2.6	130 ± 15.1	100 ± 2.3	59 ± 5.5	73 ± 5.6
10.0	12 ± 1.9	151 ± 1.8	133 ± 4.4	101 ± 11.0	89 ± 3.5
33.0		158 ± 4.5	137 ± 17.2	123 ± 8.4	114 ± 4.5
100.0		92 ± 6.3		89 ± 8.2	
Trial Summary	Negative	Positive	Positive	Positive	Positive
Positive Control ²		365 ± 39.1	264 ± 19.6	1089 ± 27.5	1003 ± 30.8
Positive Control ⁶	653 ± 29.5				

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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: 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

** END OF REPORT **