

Experiment Number: 771041

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

G06: Ames Summary Data

Test Compound: **2,2'-Dithiobis-benzothiazole**

CAS Number: **120-78-5**

Date Report Requested: **09/17/2018**

Time Report Requested: **20:51:30**

NTP Study Number:

771041

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	81 ± 8.1	82 ± 5.7	81 ± 7.8	98 ± 4.6	124 ± 1.0
100.0	91 ± 6.1	91 ± 2.9	91 ± 0.9	89 ± 8.6	132 ± 6.8
333.0	91 ± 3.2	95 ± 6.9	95 ± 10.9	102 ± 8.1	141 ± 14.6
1000.0	84 ± 10.1 ^P	177 ± 8.2	154 ± 4.0	155 ± 3.7	168 ± 8.3
3333.0	99 ± 6.1 ^P	321 ± 8.1	279 ± 6.5 ^P	201 ± 2.4	187 ± 4.4
10000.0	103 ± 6.2 ^X	361 ± 19.2 ^X	260 ± 29.9 ^P	234 ± 17.6 ^X	201 ± 13.7 ^P
Trial Summary	Negative	Positive	Positive	Positive	Weakly Positive
Positive Control ²	336 ± 6.6				
Positive Control ³				352 ± 11.9	333 ± 39.9
Positive Control ⁴		232 ± 14.9	242 ± 7.5		

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	15 ± 3.8	21 ± 2.4	20 ± 2.2	27 ± 4.9
100.0	15 ± 1.2	24 ± 5.0	23 ± 1.2	29 ± 3.2
333.0	15 ± 3.2	30 ± 3.2	21 ± 2.2	31 ± 2.3
1000.0	16 ± 1.7	33 ± 2.5	31 ± 1.9	34 ± 2.7
3333.0	19 ± 1.2	47 ± 10.9	37 ± 4.4 ^P	37 ± 1.3
10000.0	15 ± 1.2 ^X	35 ± 4.3 ^P	24 ± 5.7 ^P	24 ± 1.2 ^P
Trial Summary	Negative	Weakly Positive	Negative	Negative
Positive Control ⁵				107 ± 3.8
Positive Control ⁶	151 ± 1.2			
Positive Control ³		109 ± 11.7	86 ± 3.5	

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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: 0.5 ug/Plate Sodium Azide

3: 1.0 ug/Plate 2-Aminoanthracene

4: 2.0 ug/Plate 2-Aminoanthracene

5: 0.4 ug/Plate 2-Aminoanthracene

6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

x: Slight Toxicity and Precipitate

**** END OF REPORT ****