

Experiment Number: A38976

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

G06: Ames Summary Data

Test Compound: **Imidodicarbonic diamide**

CAS Number: **108-19-0**

Date Report Requested: **09/16/2018**

Time Report Requested: **21:16:24**

NTP Study Number:

A38976

Study Result:

Positive

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Mutagenicity**G06: Ames Summary Data**

Test Compound: Imidodicarbonic diamide

CAS Number: 108-19-0

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	89 ± 2.9	94 ± 8.7	103 ± 7.8	103 ± 6.2
100.0	95 ± 8.0		109 ± 6.1	88 ± 3.7
333.0	104 ± 5.5		110 ± 2.9	100 ± 10.0
1000.0	97 ± 3.8	102 ± 5.2	98 ± 11.3	107 ± 5.2
1666.0		96 ± 1.8		
3333.0	114 ± 0.9	109 ± 3.2	112 ± 1.8	100 ± 2.0
6666.0		132 ± 6.2		
10000.0	131 ± 5.2	139 ± 3.2	109 ± 8.2	105 ± 7.9
Trial Summary	Equivocal	Equivocal	Negative	Negative
Positive Control ²				1439 ± 51.9
Positive Control ³	878 ± 50.0	836 ± 16.4		
Positive Control ⁴			525 ± 17.2	

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Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	16 ± 2.5	16 ± 2.4	15 ± 2.1	15 ± 2.6	16 ± 2.0
100.0	21 ± 2.5	20 ± 2.3	18 ± 1.5		21 ± 2.8
333.0	39 ± 2.6	41 ± 5.7	19 ± 1.8		25 ± 2.9
1000.0	67 ± 4.1	96 ± 31.7	22 ± 2.6	16 ± 2.8	25 ± 6.4
1666.0				17 ± 1.5	
3333.0	145 ± 6.7	136 ± 34.2	29 ± 4.9	23 ± 1.0	33 ± 3.9
6666.0				28 ± 2.0	
10000.0	324 ± 20.6	289 ± 2.1	32 ± 5.0	43 ± 4.7	58 ± 3.8
Trial Summary	Positive	Positive	Weakly Positive	Positive	Positive
Positive Control ²					469 ± 13.1
Positive Control ⁵	498 ± 12.9	229 ± 18.9			
Positive Control ⁴			391 ± 28.6	431 ± 22.6	

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Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	16 ± 3.8
100.0	
333.0	
1000.0	18 ± 1.7
1666.0	19 ± 1.2
3333.0	27 ± 2.4
6666.0	33 ± 1.9
10000.0	61 ± 5.0
Trial Summary	Positive
Positive Control ²	507 ± 3.6
Positive Control ⁵	
Positive Control ⁴	

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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: 2.0 ug/Plate 2-Aminoanthracene

3: 5.0 ug/Plate Sodium Azide

4: 5.0 ug/Plate 2-Aminoanthracene

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****