

Experiment Number: 359703

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

G06: Ames Summary Data

Test Compound: **Sodium nitrite**

CAS Number: **7632-00-0**

Date Report Requested: **09/13/2018**

Time Report Requested: **20:22:23**

NTP Study Number:

359703

Study Result:

Positive

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Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	139 ± 19.4	171 ± 5.5	160 ± 0.6	173 ± 6.2	150 ± 0.7
100.0	143 ± 14.1		201 ± 13.3	199 ± 14.7	148 ± 8.5
333.0	126 ± 8.7		197 ± 9.2	233 ± 6.4	165 ± 4.4
1000.0	142 ± 7.5	211 ± 19.9	237 ± 12.5	230 ± 11.8	223 ± 4.6
1666.0		224 ± 10.6			
3333.0	195 ± 6.9	274 ± 21.4	259 ± 36.8	312 ± 10.4	341 ± 6.4
6666.0		376 ± 7.5			
10000.0	280 ± 9.9	443 ± 12.0	390 ± 38.8	353 ± 5.4	508 ± 29.5
Trial Summary	Positive	Positive	Weakly Positive	Positive	Positive
Positive Control ²					832 ± 34.1
Positive Control ³			568 ± 22.5	555 ± 18.3	
Positive Control ⁴	1036 ± 10.2	878 ± 22.7			

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	158 ± 12.0
100.0	187 ± 5.6
333.0	182 ± 13.5
1000.0	220 ± 4.7
1666.0	
3333.0	309 ± 11.7
6666.0	
10000.0	451 ± 20.1
Trial Summary	Positive
Positive Control ²	894 ± 24.1
Positive Control ³	
Positive Control ⁴	

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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control ¹	31 ± 0.9	40 ± 4.8	42 ± 1.7
100.0	27 ± 0.6	33 ± 3.6	40 ± 4.6
333.0	26 ± 4.2	41 ± 3.8	39 ± 3.1
1000.0	30 ± 3.5	29 ± 1.0	47 ± 4.2
3333.0	25 ± 2.6	33 ± 2.8	42 ± 2.1
10000.0	26 ± 2.8	21 ± 5.0	30 ± 5.2
Trial Summary	Negative	Negative	Negative
Positive Control ²		155 ± 14.3	539 ± 6.1
Positive Control ⁵	432 ± 19.0		

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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: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

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

**** END OF REPORT ****