

Experiment Number: **G10164**

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

G06: Ames Summary Data

Test Compound: **Sodium azide**

CAS Number: **26628-22-8**

Date Report Requested: **09/18/2018**

Time Report Requested: **11:17:46**

NTP Study Number:

G10164

Study Result:

Positive

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Strain: TA100				
Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	194 ± 15.1	161 ± 10.5	123 ± 12.0	109 ± 10.1
0.1	318 ± 10.1	199 ± 3.6		
0.25	361 ± 10.3	324 ± 14.5		
0.5	552 ± 21.3	443 ± 12.9	145 ± 10.1	106 ± 9.5
1.0	823 ± 19.4	838 ± 39.1	656 ± 25.4	698 ± 18.0
134 ± 11.7	111 ± 7.2	Control Group		
2.5	1362 ± 23.2	1179 ± 19.4	188 ± 10.1	134 ± 6.2
5.0			437 ± 14.2	223 ± 21.0
10.0	2014 ± 67.5	2273 ± 75.4	1136 ± 13.4	800 ± 30.2
50.0			3134 ± 26.7	3142 ± 13.8
Trial Summary	Positive	Positive	Positive	Positive
Positive Control ²			2156 ± 108.0	473 ± 45.0

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Strain: TA98				
Dose (ug/Plate)	Without S9		With 10% Rat S9	
Vehicle Control ¹	20 ± 3.2	16 ± 3.5	26 ± 3.5	33 ± 5.0
2.5	24 ± 2.7	25 ± 4.1	25 ± 0.6	26 ± 3.8
10.0	25 ± 3.5	27 ± 3.2	29 ± 7.0	27 ± 5.5
50.0	26 ± 1.5	22 ± 1.0	34 ± 3.8	33 ± 4.1
200.0	49 ± 7.7	27 ± 6.1	37 ± 6.4	28 ± 3.2
500.0	32 ± 4.0	23 ± 2.0	45 ± 5.3	30 ± 1.8
1000.0	22 ± 4.7	Toxic	29 ± 1.2	Toxic
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ³			1256 ± 34.9	121 ± 13.2
Positive Control ⁴	497 ± 131.4	423 ± 25.5		

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Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	143 ± 9.0	124 ± 4.8	173 ± 15.8	149 ± 30.2
2.5	154 ± 3.1	106 ± 3.2	199 ± 5.6	132 ± 4.7
10.0	196 ± 19.0	132 ± 5.8	192 ± 8.0	143 ± 1.5
50.0	310 ± 16.8	237 ± 2.4	298 ± 5.7	240 ± 4.0
200.0	496 ± 10.5	412 ± 21.3	518 ± 30.9	446 ± 18.9
500.0	611 ± 6.8	553 ± 14.6	635 ± 7.5	621 ± 45.4
1000.0	501 ± 25.0	525 ± 33.7	412 ± 23.6	848 ± 12.2
Trial Summary	Positive	Positive	Positive	Positive
Positive Control ⁵			1116 ± 57.2	417 ± 40.0
Positive Control ⁶	929 ± 30.7	1235 ± 13.4		

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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: 5.0 ug/Plate 2-Aminoanthracene
- 3: 2.0 ug/Plate 2-Aminoanthracene
- 4: 3.0 ug/Plate 2-Nitrofluorene
- 5: 20.0 ug/Plate 2-Aminoanthracene
- 6: 100.0 ug/Plate Methyl Methane Sulfonate

**** END OF REPORT ****