

Experiment Number: **G02042**

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

G06: Ames Summary Data

Test Compound: **1-Naphthalenesulfonic acid, 6-diazo-5,6-dihydro-5-oxo, sodium salt**
CAS Number: **2657-00-3**

Date Report Requested: **09/15/2018**

Time Report Requested: **18:08:08**

NTP Study Number:

G02042

Study Result:

Positive

Experiment Number: G02042

G06: Ames Summary Data

Date Report Requested: 09/15/2018

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

Test Compound: 1-Naphthalenesulfonic acid, 6-diazo-5,6-dihydro-5-oxo, sodium salt
CAS Number: 2657-00-3

Time Report Requested: 18:08:08

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	92 ± 5.1	106 ± 6.2	265 ± 29.8	114 ± 2.0
1000.0	91 ± 3.5	133 ± 6.8	360 ± 15.2	121 ± 3.0
2500.0	128 ± 31.6	148 ± 17.5	451 ± 39.6	185 ± 23.1
5000.0	144 ± 6.7	180 ± 8.4	450 ± 22.1	211 ± 19.3
7500.0	150 ± 1.0	184 ± 6.6	419 ± 12.5	245 ± 10.3
10000.0	205 ± 34.6	195 ± 17.6	419 ± 21.7	272 ± 24.7
Trial Summary	Positive	Positive	Positive	Positive
Positive Control ²	654 ± 12.2	305 ± 3.7		
Positive Control ³			796 ± 50.0	320 ± 56.6

Experiment Number: G02042

G06: Ames Summary Data

Date Report Requested: 09/15/2018

Test Type: Genetic Toxicology - Bacterial
MutagenicityTest Compound: 1-Naphthalenesulfonic acid, 6-diazo-5,6-dihydro-5-oxo, sodium salt
CAS Number: 2657-00-3

Time Report Requested: 18:08:08

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	31 ± 2.0	21 ± 1.7	42 ± 1.5	34 ± 2.2
1000.0	62 ± 2.1	24 ± 1.3	69 ± 3.5	53 ± 2.4
2500.0	58 ± 1.2	34 ± 8.8	111 ± 6.3	57 ± 5.8
5000.0	76 ± 5.8	46 ± 3.5	83 ± 7.1	87 ± 4.7
7500.0	58 ± 5.8	71 ± 8.2	81 ± 6.6	74 ± 3.5
10000.0	61 ± 6.7	58 ± 5.0	70 ± 1.7	79 ± 10.5
Trial Summary	Positive	Positive	Positive	Positive
Positive Control ³			601 ± 91.5	475 ± 63.0
Positive Control ⁴	553 ± 20.8	401 ± 27.7		

Experiment Number: G02042

G06: Ames Summary Data

Date Report Requested: 09/15/2018

Test Type: Genetic Toxicology - Bacterial
MutagenicityTest Compound: 1-Naphthalenesulfonic acid, 6-diazo-5,6-dihydro-5-oxo, sodium salt
CAS Number: 2657-00-3

Time Report Requested: 18:08:08

Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	247 ± 12.5	175 ± 23.9	416 ± 20.4	202 ± 3.9
1000.0	246 ± 46.9	269 ± 6.8	367 ± 19.9	270 ± 6.7
2500.0	369 ± 47.7	305 ± 14.4	431 ± 51.7	299 ± 22.4
5000.0	349 ± 4.9	324 ± 11.0	520 ± 38.4	455 ± 29.6
7500.0	420 ± 23.8	332 ± 20.4	473 ± 12.0	516 ± 52.7
10000.0	432 ± 35.3	435 ± 19.9	526 ± 34.8	509 ± 39.4
Trial Summary	Positive	Positive	Equivocal	Positive
Positive Control ⁵			657 ± 30.6	669 ± 17.0
Positive Control ⁶	870 ± 43.2	492 ± 15.1		

Experiment Number: **G02042**

G06: Ames Summary Data

Date Report Requested: **09/15/2018**

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

Test Compound: **1-Naphthalenesulfonic acid, 6-diazo-5,6-dihydro-5-oxo, sodium salt**
CAS Number: **2657-00-3**

Time Report Requested: **18:08:08**

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: Distilled Water

2: 1.0 ug/Plate Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Nitrofluorene

5: 20.0 ug/Plate 2-Aminoanthracene

6: 40000.0 ug/Plate Methyl Methane Sulfonate

**** END OF REPORT ****