

Experiment Number: 000277

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Amino-5-nitrophenol

CAS Number: 121-88-0

Date Report Requested: 09/13/2018

Time Report Requested: 23:17:27

NTP Study Number:

000277

Study Result:

Positive

Experiment Number: 000277

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Amino-5-nitrophenol

CAS Number: 121-88-0

Date Report Requested: 09/13/2018

Time Report Requested: 23:17:27

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	184 ± 11.5	85 ± 4.4	192 ± 7.5	147 ± 9.3	207 ± 8.4
100.0	184 ± 3.7	80 ± 3.2	176 ± 9.9	173 ± 6.0	248 ± 7.6
333.0	200 ± 8.5	123 ± 10.3	209 ± 4.1	171 ± 3.2	245 ± 15.9
1000.0	232 ± 10.3	137 ± 9.4	248 ± 10.3	190 ± 4.6	296 ± 11.0
3333.0	248 ± 7.0	141 ± 12.5	268 ± 3.0	161 ± 8.5	305 ± 23.7
10000.0	154 ± 15.7	67 ± 2.4	138 ± 21.7	67 ± 8.9	199 ± 22.9
Trial Summary	Equivocal	Weakly Positive	Equivocal	Negative	Weakly Positive
Positive Control ²			1759 ± 182.6	567 ± 20.7	1746 ± 39.4
Positive Control ³	918 ± 111.3	420 ± 29.4			

Experiment Number: 000277

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Amino-5-nitrophenol
CAS Number: 121-88-0

Date Report Requested: 09/13/2018

Time Report Requested: 23:17:27

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	185 ± 17.4
100.0	209 ± 11.2
333.0	240 ± 9.2
1000.0	281 ± 4.1
3333.0	282 ± 16.0
10000.0	146 ± 8.7
Trial Summary	Weakly Positive
Positive Control ²	2371 ± 193.6
Positive Control ³	

Experiment Number: 000277

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Amino-5-nitrophenol
CAS Number: 121-88-0

Date Report Requested: 09/13/2018

Time Report Requested: 23:17:27

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	9 ± 1.5	3 ± 0.3	8 ± 1.2	15 ± 1.9	5 ± 0.3
100.0	8 ± 1.7	1 ± 0.6	6 ± 2.3	11 ± 1.0	5 ± 1.2
333.0	8 ± 1.5	7 ± 3.0	13 ± 1.5	14 ± 1.9	5 ± 2.1
1000.0	8 ± 1.7	4 ± 0.9	13 ± 1.8	19 ± 0.9	4 ± 0.6
3333.0	7 ± 1.2	3 ± 0.3	10 ± 4.6	15 ± 0.7	5 ± 0.7
10000.0	8 ± 1.0	2 ± 0.6	7 ± 3.8	10 ± 3.5	3 ± 1.5
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ²				151 ± 9.9	134 ± 10.9
Positive Control ³	882 ± 51.8	125 ± 14.3	117 ± 8.4		

Experiment Number: 000277

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Amino-5-nitrophenol
CAS Number: 121-88-0

Date Report Requested: 09/13/2018

Time Report Requested: 23:17:27

Strain: TA1535

Dose (ug/Plate)	With 10% Rat S9	With 10% Hamster S9	With 10% Hamster S9	With 10% Hamster S9
Vehicle Control ¹	13 ± 0.3	9 ± 0.7	5 ± 0.6	8 ± 1.3
100.0	14 ± 2.9	14 ± 1.8	5 ± 1.5	12 ± 1.5
333.0	16 ± 2.2	17 ± 1.2	3 ± 1.2	15 ± 3.0
1000.0	16 ± 0.3	15 ± 2.3	4 ± 0.9	17 ± 2.8
3333.0	12 ± 3.8	19 ± 0.9	4 ± 1.5	10 ± 0.3
10000.0	0 ± 0.3	9 ± 0.9	3 ± 1.5	3 ± 0.9
Trial Summary	Negative	Equivocal	Negative	Equivocal
Positive Control ²	43 ± 4.2	122 ± 1.7	144 ± 3.8	131 ± 29.6
Positive Control ³				

Experiment Number: 000277

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Amino-5-nitrophenol

CAS Number: 121-88-0

Date Report Requested: 09/13/2018

Time Report Requested: 23:17:27

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	8 ± 4.3	3 ± 1.2	8 ± 1.9	5 ± 0.9	8 ± 2.0
100.0	10 ± 1.5	4 ± 1.2	8 ± 1.2	4 ± 0.3	10 ± 2.1
333.0	12 ± 2.0	6 ± 0.6	16 ± 1.3	8 ± 1.8	24 ± 1.5
1000.0	34 ± 6.7	13 ± 1.8	26 ± 4.9	12 ± 2.4	43 ± 5.9
3333.0	34 ± 6.8	22 ± 1.2	25 ± 5.0	23 ± 2.3	40 ± 9.5
10000.0	10 ± 2.5	3 ± 0.3	7 ± 1.2	2 ± 0.9	10 ± 4.4
Trial Summary	Positive	Weakly Positive	Weakly Positive	Weakly Positive	Positive
Positive Control ²			69 ± 3.5	39 ± 3.8	72 ± 11.5
Positive Control ⁴	149 ± 46.9	59 ± 18.6			

Experiment Number: 000277

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Amino-5-nitrophenol
CAS Number: 121-88-0

Date Report Requested: 09/13/2018

Time Report Requested: 23:17:27

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	3 ± 0.3
100.0	6 ± 0.9
333.0	8 ± 0.9
1000.0	17 ± 2.2
3333.0	35 ± 6.2
10000.0	14 ± 4.1
Trial Summary	Positive
Positive Control ²	31 ± 9.1
Positive Control ⁴	

Experiment Number: 000277

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Amino-5-nitrophenol

CAS Number: 121-88-0

Date Report Requested: 09/13/2018

Time Report Requested: 23:17:27

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control ¹	18 ± 2.9	14 ± 1.5	21 ± 3.0	23 ± 1.5	23 ± 4.5
100.0	39 ± 1.9	20 ± 2.6	25 ± 3.1	18 ± 1.8	36 ± 1.5
333.0	63 ± 3.8	46 ± 7.3	49 ± 2.3	22 ± 1.0	74 ± 7.3
1000.0	123 ± 7.7	54 ± 2.9	73 ± 4.9	50 ± 1.8	110 ± 7.2
3333.0	265 ± 14.5	93 ± 25.1	165 ± 17.8	87 ± 4.4	183 ± 13.3
10000.0	241 ± 5.8	154 ± 15.4	154 ± 38.1	113 ± 7.2	166 ± 50.2
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control ²			742 ± 27.2	368 ± 53.8	1302 ± 109.6
Positive Control ⁵	147 ± 14.0	74 ± 10.4			

Experiment Number: 000277

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: 2-Amino-5-nitrophenol
CAS Number: 121-88-0

Date Report Requested: 09/13/2018

Time Report Requested: 23:17:27

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control ¹	25 ± 1.3
100.0	17 ± 1.2
333.0	33 ± 2.3
1000.0	41 ± 7.0
3333.0	112 ± 6.3
10000.0	193 ± 20.0
Trial Summary	Positive
Positive Control ²	565 ± 86.0
Positive Control ⁵	

Experiment Number: 000277

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

G06: Ames Summary Data

Test Compound: **2-Amino-5-nitrophenol**

CAS Number: **121-88-0**

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

Time Report Requested: **23:17:27**

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: 1.0 ug/Plate 2-Aminoanthracene

3: 3.3 ug/Plate Sodium Azide

4: 33.0 ug/Plate 9-Aminoacridine

5: 3.3 ug/Plate 4-Nitro-O-Phenylenediamine

**** END OF REPORT ****