Experiment Number: **238180**

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

G06: Ames Summary Data

Test Compound: **2-Methyl-5-nitrobenzoic acid**

CAS Number: **1975-52-6**

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

Time Report Requested: **04:35:10**

NTP Study Number: 238180

Study Result: Positive

Experiment Number: **238180**

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

G06: Ames Summary Data

Test Compound: **2-Methyl-5-nitrobenzoic acid**

CAS Number: **1975-52-6**

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

Time Report Requested: **04:35:10**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control[1]	80 ± 4.6	90 ± 2.2	80 ± 3.6	85 ± 4.2	89 ± 4.8
10.0	81 ± 2.7	93 ± 7.0	91 ± 5.5	90 ± 6.4	108 ± 6.0
33.0	113 ± 9.5	145 ± 9.0	133 ± 10.3	139 ± 2.6	180 ± 8.5
100.0	247 ± 15.0	266 ± 14.9	266 ± 12.8	289 ± 17.6	315 ± 6.1
333.0	567 ± 44.7	667 ± 17.6	543 ± 34.8	642 ± 11.3	853 ± 37.8
1000.0	1256 ± 32.0	897 ± 15.1	1290 ± 11.9	1070 ± 68.3	2082 ± 56.9
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[2]	384 ± 28.7	381 ± 5.4			
Positive Control[3]					405 ± 4.2
Positive Control[4]			225 ± 8.6	350 ± 9.0	

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

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Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	84 ± 4.8
10.0	99 ± 2.3
33.0	149 ± 14.6
100.0	297 ± 41.1
333.0	585 ± 11.8
1000.0	944 ± 54.9
Trial Summary	Positive
Positive Control[2]	
Positive Control[3]	335 ± 1.5
Positive Control[4]	

Experiment Number: **238180**

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

G06: Ames Summary Data

Test Compound: **2-Methyl-5-nitrobenzoic acid**

CAS Number: **1975-52-6**

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

Time Report Requested: **04:35:10**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9
Vehicle Control[1]	14 ± 0.3	11 ± 0.9	26 ± 3.8	28 ± 4.6	16 ± 3.3
10.0	18 ± 3.0	26 ± 1.7	23 ± 1.7	25 ± 3.2	22 ± 2.6
33.0	44 ± 4.1	50 ± 2.6	22 ± 2.0	37 ± 4.4	22 ± 3.0
100.0	88 ± 3.3	123 ± 1.7	34 ± 4.3	37 ± 1.7	36 ± 1.8
333.0	308 ± 8.7	273 ± 12.0	55 ± 1.8	51 ± 8.1	71 ± 3.3
1000.0	570 ± 17.8	478 ± 6.8	101 ± 4.3	103 ± 5.9	139 ± 5.0
Trial Summary	Positive	Positive	Positive	Positive	Positive
Positive Control[5]					127 ± 6.9
Positive Control[6]	162 ± 11.1	154 ± 3.4			
Positive Control[3]			145 ± 21.9	71 ± 3.7	

Experiment Number: **238180**

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

G06: Ames Summary Data

Test Compound: **2-Methyl-5-nitrobenzoic acid**

CAS Number: **1975-52-6**

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

Time Report Requested: **04:35:10**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	22 ± 1.5
10.0	29 ± 1.9
33.0	30 ± 0.9
100.0	32 ± 2.2
333.0	68 ± 1.5
1000.0	121 ± 8.1
Trial Summary	Positive
Positive Control[5]	118 ± 14.0
Positive Control[6]	
Positive Control[3]	

LEGEND

Values given as Mean or Mean ± 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: Acetone
2: 0.5 ug/Plate Sodium Azide
3: 1.0 ug/Plate 2-Aminoanthracene
4: 2.0 ug/Plate 2-Aminoanthracene
5: 0.4 ug/Plate 2-Aminoanthracene
6: 1.0 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **