

Experiment Number: A36230

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Chromium picolinate monohydrate

CAS Number: 27882-76-4

Date Report Requested: 09/16/2018

Time Report Requested: 18:30:53

NTP Study Number:

A36230

Study Result:

Negative

Experiment Number: A36230

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 09/16/2018

Time Report Requested: 18:30:53

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	56 ± 11.3	44 ± 2.6	65 ± 6.7	72 ± 6.8
100.0	44 ± 7.4	37 ± 2.3	55 ± 8.8	57 ± 3.5
500.0	39 ± 4.7	44 ± 3.1	46 ± 0.6	71 ± 10.5
1000.0	31 ± 2.4	43 ± 1.5	55 ± 2.9	61 ± 0.9
5000.0	49 ± 2.6	59 ± 4.7	58 ± 3.7	71 ± 4.4
10000.0	41 ± 1.5	64 ± 1.5	60 ± 1.5	93 ± 2.8
Trial Summary	Negative	Negative	Negative	Negative
Positive Control ²	448 ± 0.9	378 ± 5.2		
Positive Control ³			481 ± 13.9	598 ± 18.2

Experiment Number: A36230

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 09/16/2018

Time Report Requested: 18:30:53

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	24 ± 1.2	15 ± 2.9	12 ± 1.5	20 ± 0.7	22 ± 1.8
100.0	20 ± 2.5	22 ± 2.5	16 ± 1.0	27 ± 4.8	28 ± 4.2
500.0	20 ± 2.5	18 ± 1.5	12 ± 1.8	27 ± 3.5	20 ± 2.7
1000.0	20 ± 2.2	15 ± 2.7	18 ± 3.8	29 ± 4.3	27 ± 2.2
5000.0	25 ± 2.1	13 ± 2.6	14 ± 0.9	29 ± 1.0	28 ± 5.9
10000.0	24 ± 2.1 ^p	0 ± 0.0	16 ± 0.6	28 ± 3.9 ^p	29 ± 4.4
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control ³				741 ± 41.4	649 ± 49.0
Positive Control ⁴	316 ± 27.3	429 ± 11.0	572 ± 8.4		

Experiment Number: A36230

Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data

Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 09/16/2018

Time Report Requested: 18:30:53

Strain: E. coli WP2 uvrA pKM101

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9
Vehicle Control ¹	225 ± 24.8	108 ± 2.6	253 ± 22.9	158 ± 7.8
100.0	196 ± 28.2	127 ± 2.4	272 ± 62.2	169 ± 4.3
500.0	153 ± 3.5	147 ± 5.3	185 ± 4.6	175 ± 6.4
1000.0	139 ± 6.1	126 ± 9.8	196 ± 3.5	166 ± 8.0
5000.0	176 ± 3.1	164 ± 10.1	245 ± 2.1	185 ± 5.0
10000.0	165 ± 7.3	204 ± 9.6	255 ± 5.7	184 ± 6.4
Trial Summary	Negative	Weakly Positive	Negative	Negative
Positive Control ⁵			659 ± 23.1	571 ± 30.4
Positive Control ⁶	623 ± 19.2	1065 ± 24.1		

Experiment Number: A36230
Test Type: Genetic Toxicology - Bacterial
Mutagenicity

G06: Ames Summary Data
Test Compound: Chromium picolinate monohydrate
CAS Number: 27882-76-4

Date Report Requested: 09/16/2018
Time Report Requested: 18:30:53

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 Sodium Azide

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate 2-Nitrofluorene

5: 20.0 ug/Plate 2-Aminoanthracene

6: 4000.0 ug/Plate Methyl Methane Sulfonate

p: Precipitate

**** END OF REPORT ****