Experiment Number: **966477**

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

G06: Ames Summary Data

Test Compound: **Nickelocene**

CAS Number: **1271-28-9**

Date Report Requested: **09/17/2018**

Time Report Requested: **22:15:42**

NTP Study Number: 966477

Study Result: Negative

Experiment Number: **966477**

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

G06: Ames Summary Data

Test Compound: **Nickelocene**

CAS Number: **1271-28-9**

Date Report Requested: **09/17/2018**

Time Report Requested: **22:15:42**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	127 ± 10.5	98 ± 11.9	118 ± 9.2	122 ± 6.9	116 ± 13.3
3.3	128 ± 3.8		116 ± 5.3		111 ± 6.9
10.0	110 ± 5.9	109 ± 5.0	120 ± 7.2	136 ± 5.5	119 ± 8.7
33.0	125 ± 12.0	108 ± 9.5	129 ± 6.6	123 ± 9.0	106 ± 6.8
100.0	129 ± 5.2	113 ± 4.0	143 ± 9.8	126 ± 3.8	108 ± 7.2
333.0	154 ± 2.1[s]	115 ± 6.2[s]	160 ± 4.6	131 ± 3.0	134 ± 0.9[s]
666.0		86 ± 3.0[s]		117 ± 5.2[s]	
Trial Summary	Negative	Negative	Equivocal	Negative	Negative
Positive Control[2]					971 ± 31.9
Positive Control[3]			972 ± 20.4	712 ± 32.2	
Positive Control[4]	2047 ± 29.5	1557 ± 16.2			

Experiment Number: **966477**

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

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CAS Number: **1271-28-9**

Date Report Requested: **09/17/2018**

Time Report Requested: **22:15:42**

Strain: TA100

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	104 ± 7.2
3.3	
10.0	113 ± 6.8
33.0	108 ± 8.5
100.0	107 ± 6.4
333.0	101 ± 4.2[s]
666.0	120 ± 1.2[s]
Trial Summary	Negative
Positive Control[2]	1081 ± 33.8
Positive Control[3]	
Positive Control[4]	

Experiment Number: **966477**

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

G06: Ames Summary Data

Test Compound: **Nickelocene**

CAS Number: **1271-28-9**

Date Report Requested: **09/17/2018**

Time Report Requested: **22:15:42**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	20 ± 4.6	17 ± 0.9	9 ± 1.2	8 ± 3.3	11 ± 1.2
3.3	19 ± 3.2		9 ± 0.3		9 ± 2.2
10.0	23 ± 1.5	19 ± 2.2	12 ± 1.2	10 ± 2.7	7 ± 2.4
33.0	23 ± 2.9	18 ± 2.3	11 ± 3.2	12 ± 3.5	9 ± 1.5
100.0	16 ± 3.2	21 ± 1.3	16 ± 1.5	13 ± 2.9	11 ± 2.7
333.0	19 ± 2.3	18 ± 2.0[s]	11 ± 3.3	10 ± 1.3	9 ± 1.7
666.0		14 ± 1.8[s]		8 ± 2.9[s]	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					70 ± 9.1
Positive Control[3]			74 ± 2.8	58 ± 1.5	
Positive Control[4]	1378 ± 14.8	1499 ± 9.5			

Experiment Number: **966477**

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

G06: Ames Summary Data

Test Compound: **Nickelocene**

CAS Number: **1271-28-9**

Date Report Requested: **09/17/2018**

Time Report Requested: **22:15:42**

Strain: TA1535

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	9 ± 2.3
3.3	
10.0	12 ± 0.3
33.0	8 ± 2.0
100.0	17 ± 3.2
333.0	7 ± 1.9
666.0	7 ± 2.0[s]
Trial Summary	Negative
Positive Control[2]	126 ± 11.1
Positive Control[3]	
Positive Control[4]	

Experiment Number: **966477**

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

G06: Ames Summary Data

Test Compound: **Nickelocene**

CAS Number: **1271-28-9**

Date Report Requested: **09/17/2018**

Time Report Requested: **22:15:42**

Strain: TA1537

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	9 ± 1.9	5 ± 1.7	9 ± 1.5	8 ± 1.7	8 ± 0.9
3.3	11 ± 4.3		12 ± 3.2		8 ± 1.5
10.0	10 ± 0.6	7 ± 2.1	12 ± 1.5	5 ± 1.8	9 ± 1.2
33.0	10 ± 1.3	6 ± 1.8	10 ± 1.8	6 ± 1.7	7 ± 1.7
100.0	12 ± 2.3	6 ± 1.5	9 ± 2.0	8 ± 2.8	7 ± 1.7
333.0	10 ± 2.7	4 ± 1.0[s]	7 ± 0.9	5 ± 1.2	6 ± 0.6
666.0		2 ± 0.6[s]		7 ± 1.9	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					106 ± 0.6
Positive Control[3]			63 ± 4.4	96 ± 6.5	
Positive Control[5]	924 ± 36.2	176 ± 4.9			

Experiment Number: **966477**

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

G06: Ames Summary Data

Test Compound: **Nickelocene**

CAS Number: **1271-28-9**

Date Report Requested: **09/17/2018**

Time Report Requested: **22:15:42**

Strain: TA1537

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	7 ± 1.0
3.3	
10.0	3 ± 0.9
33.0	8 ± 0.9
100.0	7 ± 0.6
333.0	7 ± 1.9[s]
666.0	7 ± 0.3[s]
Trial Summary	Negative
Positive Control[2]	107 ± 8.1
Positive Control[3]	
Positive Control[5]	

Experiment Number: **966477**

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

G06: Ames Summary Data

Test Compound: **Nickelocene**

CAS Number: **1271-28-9**

Date Report Requested: **09/17/2018**

Time Report Requested: **22:15:42**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Hamster S9
Vehicle Control[1]	22 ± 3.7	14 ± 1.2	28 ± 1.5	26 ± 2.3	21 ± 2.9
3.3	19 ± 1.5		31 ± 4.4		22 ± 2.2
10.0	20 ± 0.7	17 ± 1.5	26 ± 2.9	31 ± 1.5	24 ± 2.7
33.0	23 ± 4.1	19 ± 0.7	28 ± 2.6	26 ± 1.2	18 ± 3.0
100.0	21 ± 3.8	20 ± 3.2	35 ± 5.0	27 ± 2.3	23 ± 1.2
333.0	19 ± 5.5	24 ± 0.9	24 ± 1.3	28 ± 2.0	25 ± 3.2
666.0		16 ± 2.9[s]		19 ± 0.3[s]	
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]					1118 ± 25.1
Positive Control[3]			864 ± 5.1	1467 ± 24.8	
Positive Control[6]	1804 ± 24.9	1919 ± 15.9			

Experiment Number: **966477**

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

G06: Ames Summary Data

Test Compound: **Nickelocene**

CAS Number: **1271-28-9**

Date Report Requested: **09/17/2018**

Time Report Requested: **22:15:42**

Strain: TA98

Dose (ug/Plate)	With 10% Hamster S9
Vehicle Control[1]	25 ± 5.2
3.3	
10.0	26 ± 4.3
33.0	30 ± 1.2
100.0	28 ± 0.7
333.0	27 ± 5.0
666.0	27 ± 3.5[s]
Trial Summary	Negative
Positive Control[2]	1944 ± 64.0
Positive Control[3]	
Positive Control[6]	

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: Dimethyl Sulfoxide
2: 0.75 ug/Plate 2-Aminoanthracene
3: 1.5 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate Sodium Azide
5: 80.0 ug/Plate 9-Aminoacridine
6: 12.0 ug/Plate 4-Nitro-O-Phenylenediamine
s: Slight Toxicity

** END OF REPORT **