Experiment Number: **483401**

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

G06: Ames Summary Data

Test Compound: **2,4,5-Trimethoxybenzaldehyde**

CAS Number: **4460-86-0**

Date Report Requested: **09/11/2018**

Time Report Requested: **17:14:01**

NTP Study Number: 483401

Study Result: Negative

Experiment Number: **483401**

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

G06: Ames Summary Data

Test Compound: **2,4,5-Trimethoxybenzaldehyde**

CAS Number: **4460-86-0**

Date Report Requested: **09/11/2018**

Time Report Requested: **17:14:01**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Mouse S9
Vehicle Control[1]	96 ± 3.5	92 ± 7.0	95 ± 9.9	97 ± 8.5	89 ± 4.7
33.0	85 ± 1.8	88 ± 3.1	109 ± 3.8	102 ± 7.0	89 ± 0.7
100.0	89 ± 1.7	79 ± 0.9	105 ± 6.5	102 ± 5.4	111 ± 10.5
333.0	91 ± 0.6	79 ± 2.3	103 ± 2.7	109 ± 5.2	99 ± 1.2
1000.0	98 ± 8.0	83 ± 7.2	104 ± 7.0	108 ± 4.6	111 ± 9.4
3333.0	82 ± 14.5[s]	45 ± 7.0	102 ± 16.3[s]	94 ± 4.9	90 ± 4.7[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]			642 ± 18.5	298 ± 16.5	2136 ± 45.4
Positive Control[3]	278 ± 5.9	313 ± 39.8			

Experiment Number: **483401**

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

G06: Ames Summary Data

Test Compound: **2,4,5-Trimethoxybenzaldehyde**

CAS Number: **4460-86-0**

Date Report Requested: **09/11/2018**

Time Report Requested: **17:14:01**

Strain: TA100

Dose (ug/Plate)	With 10% Mouse S9	With 10% Mouse S9
Vehicle Control[1]	99 ± 6.4	91 ± 12.1
33.0	95 ± 3.4	91 ± 8.1
100.0	107 ± 8.0	102 ± 11.3
333.0	85 ± 7.2	100 ± 4.7
1000.0	88 ± 9.4	113 ± 1.5
3333.0	66 ± 2.0[s]	93 ± 3.2
Trial Summary	Negative	Negative
Positive Control[2]	1552 ± 16.0	465 ± 46.9
Positive Control[3]		

Experiment Number: **483401**

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

G06: Ames Summary Data

Test Compound: **2,4,5-Trimethoxybenzaldehyde**

CAS Number: **4460-86-0**

Date Report Requested: **09/11/2018**

Time Report Requested: **17:14:01**

Strain: TA102

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Mouse S9
Vehicle Control[1]	235 ± 13.2	190 ± 12.2	217 ± 1.8	215 ± 7.5	245 ± 2.4
33.0	261 ± 20.1	193 ± 12.8	240 ± 4.5	253 ± 18.9	244 ± 3.8
100.0	278 ± 17.9	182 ± 5.5	207 ± 18.5	204 ± 1.2	237 ± 24.6
333.0	224 ± 15.6	191 ± 4.4	237 ± 7.3	231 ± 7.5	227 ± 17.1
1000.0	249 ± 2.3	158 ± 8.2	221 ± 21.5	212 ± 5.0	212 ± 9.0
3333.0	14 ± 2.3[s]	158 ± 16.4	145 ± 34.9[s]	144 ± 15.1	135 ± 19.6[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]	1069 ± 75.7	621 ± 57.1			
Positive Control[2]			455 ± 11.1		466 ± 21.7
Positive Control[5]				412 ± 22.0	

Experiment Number: **483401**

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

G06: Ames Summary Data

Test Compound: **2,4,5-Trimethoxybenzaldehyde**

CAS Number: **4460-86-0**

Date Report Requested: **09/11/2018**

Time Report Requested: **17:14:01**

Strain: TA102

Dose (ug/Plate)	With 10% Mouse S9
Vehicle Control[1]	216 ± 13.9
33.0	249 ± 9.9
100.0	210 ± 4.7
333.0	227 ± 11.8
1000.0	204 ± 1.5
3333.0	214 ± 27.4
Trial Summary	Negative
Positive Control[4]	
Positive Control[2]	
Positive Control[5]	414 ± 9.3

Experiment Number: **483401**

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

G06: Ames Summary Data

Test Compound: **2,4,5-Trimethoxybenzaldehyde**

CAS Number: **4460-86-0**

Date Report Requested: **09/11/2018**

Time Report Requested: **17:14:01**

Strain: TA104

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 10% Rat S9	With 10% Mouse S9
Vehicle Control[1]	373 ± 7.2	378 ± 4.8	356 ± 13.9	577 ± 12.4	349 ± 9.1
33.0	356 ± 28.6	321 ± 37.9	406 ± 8.4	501 ± 17.0	383 ± 5.7
100.0	357 ± 11.0	322 ± 16.5	389 ± 30.8	427 ± 47.1	365 ± 12.4
333.0	321 ± 6.1	280 ± 7.1	347 ± 1.5	373 ± 52.0	346 ± 14.4
1000.0	266 ± 12.0	285 ± 15.2	337 ± 4.0	313 ± 27.8	290 ± 11.6
3333.0	223 ± 6.9[s]	216 ± 2.9	208 ± 16.8[s]	300 ± 2.0	188 ± 10.7[s]
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]					
Positive Control[2]			900 ± 5.2	765 ± 0.9	1189 ± 139.3
Positive Control[6]	701 ± 24.5	826 ± 50.0			

Experiment Number: **483401**

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

G06: Ames Summary Data

Test Compound: **2,4,5-Trimethoxybenzaldehyde**

CAS Number: **4460-86-0**

Date Report Requested: **09/11/2018**

Time Report Requested: **17:14:01**

Strain: TA104

Dose (ug/Plate)	With 10% Mouse S9
Vehicle Control[1]	383 ± 21.0
33.0	310 ± 2.2
100.0	396 ± 31.7
333.0	368 ± 22.4
1000.0	308 ± 26.4
3333.0	224 ± 10.2
Trial Summary	Negative
Positive Control[4]	
Positive Control[2]	642 ± 24.0
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: 1.0 ug/Plate 2-Aminoanthracene
3: 100.0 ug/Plate Methyl Methane Sulfonate
4: 0.5 ug/Plate Mitomycin-C
5: 5.0 ug/Plate 2-Aminoanthracene
6: 50.0 ug/Plate Formaldehyde
s: Slight Toxicity

** END OF REPORT **