Experiment Number: **003851**

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

G06: Ames Summary Data

Test Compound: **Dicumyl peroxide**

CAS Number: **80-43-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **00:11:44**

NTP Study Number: 003851

Study Result: Negative

Experiment Number: **003851**

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

G06: Ames Summary Data

Test Compound: **Dicumyl peroxide**

CAS Number: **80-43-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **00:11:44**

Strain: TA100

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	98 ± 3.8	100 ± 17.1	108 ± 4.9	128 ± 4.4	95 ± 1.2
100.0	87 ± 6.4	106 ± 3.0	123 ± 7.8	142 ± 26.0	89 ± 7.1
333.0	83 ± 10.4	106 ± 5.0	104 ± 17.9	123 ± 3.6	115 ± 9.2
1000.0	82 ± 5.5	95 ± 5.4	99 ± 7.8	134 ± 0.3	100 ± 12.2
3333.0	82 ± 10.4	101 ± 5.8	106 ± 8.2	125 ± 8.7	105 ± 4.2
10000.0	88 ± 6.4	101 ± 5.0	101 ± 8.1	125 ± 13.9	99 ± 1.9
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]	203 ± 11.8	260 ± 16.7			
Positive Control[3]			437 ± 84.7	282 ± 15.3	784 ± 10.5

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Date Report Requested: **09/14/2018**

Time Report Requested: **00:11:44**

Strain: TA100

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	127 ± 0.9
100.0	103 ± 8.4
333.0	98 ± 6.2
1000.0	109 ± 16.5
3333.0	95 ± 9.6
10000.0	112 ± 2.2
Trial Summary	Negative
Positive Control[2]	
Positive Control[3]	678 ± 13.1

Experiment Number: **003851**

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

G06: Ames Summary Data

Test Compound: **Dicumyl peroxide**

CAS Number: **80-43-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **00:11:44**

Strain: TA1535

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	13 ± 2.6	43 ± 0.9	8 ± 0.6	21 ± 2.1	5 ± 0.0
100.0	21 ± 4.3	40 ± 1.8	11 ± 3.0	14 ± 3.0	6 ± 0.6
333.0	14 ± 1.2	43 ± 2.4	5 ± 0.3	15 ± 3.0	6 ± 0.9
1000.0	14 ± 3.2	46 ± 3.1	7 ± 0.3	18 ± 0.6	12 ± 2.0
3333.0	15 ± 3.6	45 ± 2.0	9 ± 1.5	11 ± 2.3	3 ± 0.8
10000.0	19 ± 2.7	42 ± 6.2	5 ± 0.6	13 ± 1.0	7 ± 2.3
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[2]	193 ± 3.9	144 ± 21.4			
Positive Control[4]			160 ± 7.9	170 ± 15.1	363 ± 24.0

Experiment Number: **003851**

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

G06: Ames Summary Data

Test Compound: **Dicumyl peroxide**

CAS Number: **80-43-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **00:11:44**

Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	12 ± 2.4
100.0	9 ± 3.2
333.0	13 ± 0.9
1000.0	19 ± 6.4
3333.0	14 ± 0.9
10000.0	19 ± 3.4
Trial Summary	Negative
Positive Control[2]	
Positive Control[4]	987 ± 26.4

Experiment Number: **003851**

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

G06: Ames Summary Data

Test Compound: **Dicumyl peroxide**

CAS Number: **80-43-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **00:11:44**

Strain: TA97

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	122 ± 20.7	215 ± 18.9	202 ± 16.7	203 ± 2.4	178 ± 4.1
100.0	144 ± 1.5	177 ± 3.5	208 ± 16.5	232 ± 4.9	204 ± 15.8
333.0	133 ± 2.5	181 ± 11.0	227 ± 2.3	188 ± 6.7	206 ± 16.2
1000.0	125 ± 6.6	167 ± 2.3	214 ± 12.8	165 ± 4.7	226 ± 17.9
3333.0	135 ± 9.9	185 ± 2.2	199 ± 4.9	163 ± 14.1	226 ± 3.2
10000.0	139 ± 5.7	162 ± 10.3	208 ± 9.8	180 ± 3.5	210 ± 6.1
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[4]			1423 ± 80.6	409 ± 11.6	958 ± 59.2
Positive Control[5]	617 ± 51.0	472 ± 4.5			

Experiment Number: **003851**

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

G06: Ames Summary Data

Test Compound: **Dicumyl peroxide**

CAS Number: **80-43-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **00:11:44**

Strain: TA97

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	224 ± 10.5
100.0	217 ± 12.8
333.0	221 ± 21.7
1000.0	199 ± 16.5
3333.0	212 ± 14.2
10000.0	229 ± 13.0
Trial Summary	Negative
Positive Control[4]	1036 ± 32.9
Positive Control[5]	

Experiment Number: **003851**

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

G06: Ames Summary Data

Test Compound: **Dicumyl peroxide**

CAS Number: **80-43-3**

Date Report Requested: **09/14/2018**

Time Report Requested: **00:11:44**

Strain: TA98

Dose (ug/Plate)	Without S9	Without S9	With 10% Rat S9	With 30% Rat S9	With 10% Hamster S9
Vehicle Control[1]	26 ± 7.4	23 ± 4.3	33 ± 9.5	29 ± 1.5	31 ± 1.9
100.0	18 ± 1.8	27 ± 6.4	24 ± 2.6	25 ± 2.6	27 ± 0.7
333.0	19 ± 0.9	23 ± 1.7	30 ± 7.1	28 ± 2.4	27 ± 1.5
1000.0	17 ± 1.7	27 ± 2.7	30 ± 5.1	25 ± 0.0	22 ± 1.7
3333.0	16 ± 5.2	23 ± 3.7	29 ± 4.0	25 ± 1.9	18 ± 1.7
10000.0	24 ± 6.2	23 ± 4.2	25 ± 2.9	25 ± 2.7	19 ± 1.2
Trial Summary	Negative	Negative	Negative	Negative	Negative
Positive Control[3]			310 ± 24.6	97 ± 8.1	702 ± 25.8
Positive Control[6]	554 ± 24.5	870 ± 28.4			

Experiment Number: **003851**

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

G06: Ames Summary Data

Test Compound: **Dicumyl peroxide**

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Date Report Requested: **09/14/2018**

Time Report Requested: **00:11:44**

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control[1]	23 ± 3.5
100.0	26 ± 3.4
333.0	25 ± 3.7
1000.0	28 ± 3.7
3333.0	29 ± 2.9
10000.0	19 ± 1.2
Trial Summary	Negative
Positive Control[3]	130 ± 15.8
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 Sodium Azide
3: 1.0 ug/Plate 2-Aminoanthracene
4: 2.5 ug/Plate 2-Aminoanthracene
5: 50.0 ug/Plate 9-Aminoacridine
6: 5.0 ug/Plate 4-Nitro-O-Phenylenediamine

** END OF REPORT **