

Experiment Number: 763529

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

G06: Ames Summary Data

Test Compound: **Asphalt fume extracts, neat**

CAS Number: **EMTDP-79**

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

Time Report Requested: **19:38:48**

NTP Study Number:

763529

Study Result:

Positive

Experiment Number: 763529

G06: Ames Summary Data

Date Report Requested: 09/17/2018

Test Type: **Genetic Toxicology - Bacterial Mutagenicity**Test Compound: **Asphalt fume extracts, neat**

Time Report Requested: 19:38:48

CAS Number: **EMTDP-79****Strain: TA100**

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	121 ± 6.6	144 ± 13.7	169 ± 3.4	146 ± 3.8	125 ± 12.2
33.0	119 ± 3.8				
100.0	124 ± 3.5	150 ± 8.1	169 ± 5.7	149 ± 4.9	147 ± 6.1
333.0	105 ± 7.9	126 ± 18.2	177 ± 6.7	164 ± 13.7	164 ± 6.7
1000.0	95 ± 10.0	187 ± 14.4	203 ± 7.4	191 ± 7.5	194 ± 5.0
1666.0	100 ± 11.0				
3333.0		187 ± 7.8	178 ± 7.0	214 ± 23.6	209 ± 24.2
6666.0			148 ± 7.2		240 ± 4.2
10000.0		161 ± 17.3 ^p		189 ± 27.2 ^p	
Trial Summary	Negative	Equivocal	Negative	Weakly Positive	Positive
Positive Control ²				514 ± 18.0	450 ± 11.9
Positive Control ³		336 ± 14.1	481 ± 19.0		
Positive Control ⁴	378 ± 16.3				

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Strain: TA1535

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	12 ± 0.3
100.0	13 ± 2.2
333.0	14 ± 2.2
1000.0	13 ± 1.3
3333.0	13 ± 1.2
6666.0	17 ± 0.7
Trial Summary	Negative
Positive Control ³	303 ± 28.2

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Strain: TA1538

Dose (ug/Plate)	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	23 ± 4.7	14 ± 1.2
100.0	19 ± 1.7	17 ± 1.5
333.0	26 ± 3.1	23 ± 3.2
1000.0	32 ± 2.2	38 ± 5.6
1666.0		40 ± 3.5
3333.0	46 ± 3.5	38 ± 2.2
6666.0	39 ± 0.5	38 ± 4.0
Trial Summary	Weakly Positive	Positive
Positive Control ²	251 ± 16.3	562 ± 15.0

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G06: Ames Summary Data

Test Compound: Asphalt fume extracts, neat
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Strain: TA98

Dose (ug/Plate)	Without S9	With 30% Rat S9	With 30% Rat S9	With 30% Hamster S9	With 30% Hamster S9
Vehicle Control ¹	28 ± 5.4	19 ± 3.8	30 ± 2.9	23 ± 2.9	28 ± 0.3
33.0	26 ± 5.2				
100.0	19 ± 1.5	28 ± 5.7	37 ± 3.2	24 ± 2.6	25 ± 5.8
333.0	22 ± 4.1	30 ± 4.0	48 ± 1.8	32 ± 2.3	32 ± 4.4
1000.0	16 ± 3.0	36 ± 2.8	58 ± 0.6	35 ± 4.8	37 ± 3.5
1666.0	8 ± 3.4		59 ± 3.2		
3333.0		42 ± 0.7	64 ± 4.7	53 ± 2.7	37 ± 1.8
6666.0			57 ± 5.0		40 ± 9.1
10000.0		26 ± 3.5 ^p		47 ± 2.6 ^p	
Trial Summary	Negative	Positive	Positive	Positive	Negative
Positive Control ²		104 ± 16.0	75 ± 0.9	404 ± 15.6	284 ± 5.5
Positive Control ⁵	614 ± 30.3				

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G06: Ames Summary Data
Test Compound: Asphalt fume extracts, neat
CAS Number: EMTDP-79

Date Report Requested: 09/17/2018
Time Report Requested: 19:38:48

Strain: TA98

Dose (ug/Plate)	With 30% Hamster S9
Vehicle Control ¹	20 ± 2.5
33.0	
100.0	23 ± 3.5
333.0	30 ± 4.5
1000.0	29 ± 1.2
1666.0	35 ± 1.2
3333.0	46 ± 0.9
6666.0	27 ± 6.4
10000.0	
Trial Summary	Positive
Positive Control ²	437 ± 35.9
Positive Control ⁵	

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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 2-Aminoanthracene

3: 2.5 ug/Plate 2-Aminoanthracene

4: 5.0 ug/Plate Sodium Azide

5: 2.5 ug/Plate 4-Nitro-O-Phenylenediamine

p: Precipitate

**** END OF REPORT ****