

Supporting Information

Combined Antibacterial and Antifungal Activities of *Eucalyptus citriodora* and *Syzygium aromaticum* Essential Oils

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Table 2: The minimum inhibitory concentrations of *Syzygium aromaticum* oil against both bacteria and fungi determined by zones of inhibition (mm)

Micro-organism	Inhibition zone diameter (mm)								MIC (%v/v)
	Serial dilutions of <i>Syzygium aromaticum</i> oil								
	1:1	1:2	1:4	1:8	1:16	1:32	1:64	1:128	
<i>S. aureus</i>	24	23	19	19	18	15	0	0	1.56
<i>E. coli</i>	24	22	12	12	12	9	0	0	1.56
MRSA	19	18	14	14	0	0	0	0	6.25
<i>M. gypseum</i>	24	14	10	8	0	0	0	0	6.25
<i>T. mentagrophytes</i>	14	10	10	0	0	0	0	0	12.5
<i>C. albicans</i>	40	38	26	24	24	14	12	0	0.78
<i>C. neoformans</i>	34	30	28	16	12	0	0	0	3.125

NB: MIC not determined for *Pseudomonas aeruginosa*.

Table 3: The minimum inhibitory concentrations of *Eucalyptus citriodora* oil against both bacteria and fungi determined by zones of inhibition (mm)

Micro-organism	Inhibition zone diameter (mm)								MIC (%v/v)
	Serial dilutions of <i>Eucalyptus citriodora</i> oil								
	1:1	1:2	1:4	1:8	1:16	1:32	1:64	1:128	
<i>S. aureus</i>	19	17	16	12	9	0	0	0	3.125
<i>E. coli</i>	20	15	13	0	0	0	0	0	6.25
<i>MRSA</i>	23	22	20	0	0	0	0	0	6.25
<i>M. gypseum</i>	20	14	10	0	0	0	0	0	12.5
<i>C. albicans</i>	15	12	9	0	0	0	0	0	12.5

NB: MIC not determined for *Pseudomonas aeruginosa*, *Trichophyton mentagrophytes* and *Cryptococcus neoformans*

Table 4: Minimum bactericidal or fungicidal concentration(s) of *Syzygium aromaticum* oil against the test microorganism

Microorganism/ growth	Serial dilutions of <i>Syzygium aromaticum</i> oil							
	1:1	1:2	1:4	1:8	1:16	1:32	1:64	1:128
<i>S. aureus</i>	n/g	n/g	n/g	n/g	n/g	n/g	g/o	g/o
<i>E. coli</i>	n/g	g/o	g/o	g/o	g/o	g/o	g/o	g/o
MRSA	n/g	n/g	n/g	n/g	n/g	n/g	g/o	g/o
<i>M. gypseum</i>	n/g	n/g	n/g	n/g	g/o	g/o	g/o	g/o
<i>T. mentagrophytes</i>	n/g	n/g	g/o	g/o	g/o	g/o	g/o	g/o
<i>C. albicans</i>	n/g	n/g	n/g	g/o	g/o	g/o	g/o	g/o
<i>C. neoformans</i>	n/g	n/g	g/o	g/o	g/o	g/o	g/o	g/o

n/g - no growth occurred ; g/o - growth observed.

Table 5: Shows the minimum bactericidal/ fungicidal concentrations of *Eucalyptus citriodora* oil against the test micro-organisms

Microorganism/ growth	Serial dilutions of <i>Eucalyptus citriodora</i> oil							
	1:1	1:2	1:4	1:8	1:16	1:32	1:64	1:128
<i>S. aureus</i>	n/g	n/g	n/g	n/g	g/o	g/o	g/o	g/o
<i>E. coli</i>	n/g	g/o	g/o	g/o	g/o	g/o	g/o	g/o
MRSA	n/g	n/g	n/g	n/g	g/o	g/o	g/o	g/o
<i>M. gypseum</i>	n/g	n/g	n/g	n/g	g/o	g/o	g/o	g/o
<i>T. mentagrophytes</i>	n/g	g/o	g/o	g/o	g/o	g/o	g/o	g/o
<i>C. albicans</i>	n/g	n/g	g/o	g/o	g/o	g/o	g/o	g/o
<i>C. neoformans</i>	n/g	n/g	n/g	g/o	g/o	g/o	g/o	g/o