

Department of Microbiology Faculty of Science Chulalongkorn University Bangkok 10330, Thailand

Date: MAY 26, 2009

Test Report: 1.7S. 22 MAY 09

Client: Mr.Thinakorn Janavatara

Scionic Co.,Ltd.

52 Moo 7 Soi Wat-Ninsukaram, Wongwan Rd.,

Bangkae, Bangkok 10160

Number of Sample: 7 samples

Test required: Antibacterial activity

Method: Antibacterial test

Results:

At "24 h." contact time

Test Microorganisms	Sample	The number of bacteria	%
		CFU/ml	Reduction
		(24 h.)	
Staphylococcus aureus	Blank	2.2 x 10 ⁸	-
	I 20g/l (SCIONIC ANTIMICROBIAL FINISHING AGENT)	0	100
	I 30g/l (SCIONIC ANTIMICROBIAL FINISHING AGENT)	0	100
	I 40g/l (SCIONIC ANTIMICROBIAL FINISHING AGENT)	0	100
	II 25 ppm (SCIONIC ANTIMICROBIAL SOLUTION)	6.8 x 10 ²	99.99
	II 50 ppm (SCIONIC ANTIMICROBIAL SOLUTION)	2.1 x 10 ²	99.99
	II 75 ppm (SCIONIC ANTIMICROBIAL SOLUTION)	0	100
	II 100 ppm (SCIONIC ANTIMICROBIAL SOLUTION)	0	100

Calculate percent reduction of bacteria by the following formula:

100(A-B)/A=R

where:

R = % reduction

A= the number of bacteria recovered from the inoculated untreated control specimen incubated over the desired contact period

B= the number of bacteria recovered from the inoculated treated test specimen incubated over the desired contact period

The result certified by

(Thanit Singhaboonpong, B.Sc.)

Experimentalist

(Associate Professor Ancharida Acharacharanya, Ph.D.)

******* End of Report *******

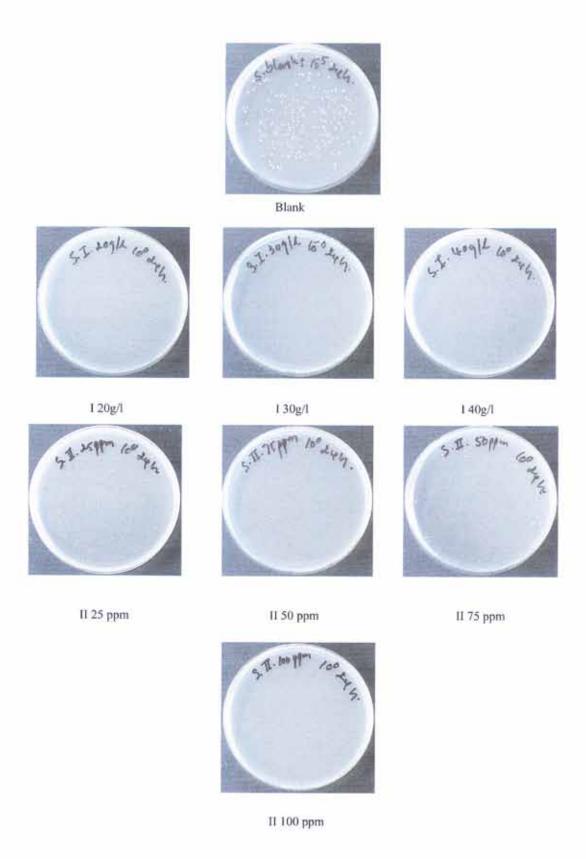


Figure 1: The number of bacteria on the Blank, I 20g/l, I 30g/l, I 40g/l, II 25 ppm, II 50 ppm, II 75 ppm and II 100 ppm at "24 h." incubation with Staphylococcus aureus, plates incubated at 37°C for 24 hrs.