



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

Date : June 8, 2009

Test Report : 2.7S. 4 JUN 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 (24 h.)	% Reduction
<i>Escherichia coli</i>	Blank	1.0×10^9	-
	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)	0	100
	II 50 ppm (SCIONIC ANTIMICROBIAL SOLUTION)	0	100
	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

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

The result certified by

(Associate Professor Ancharida Acharachanya, Ph.D.)

(Thanit Singhaboonpong, B.Sc.)

Experimentalist

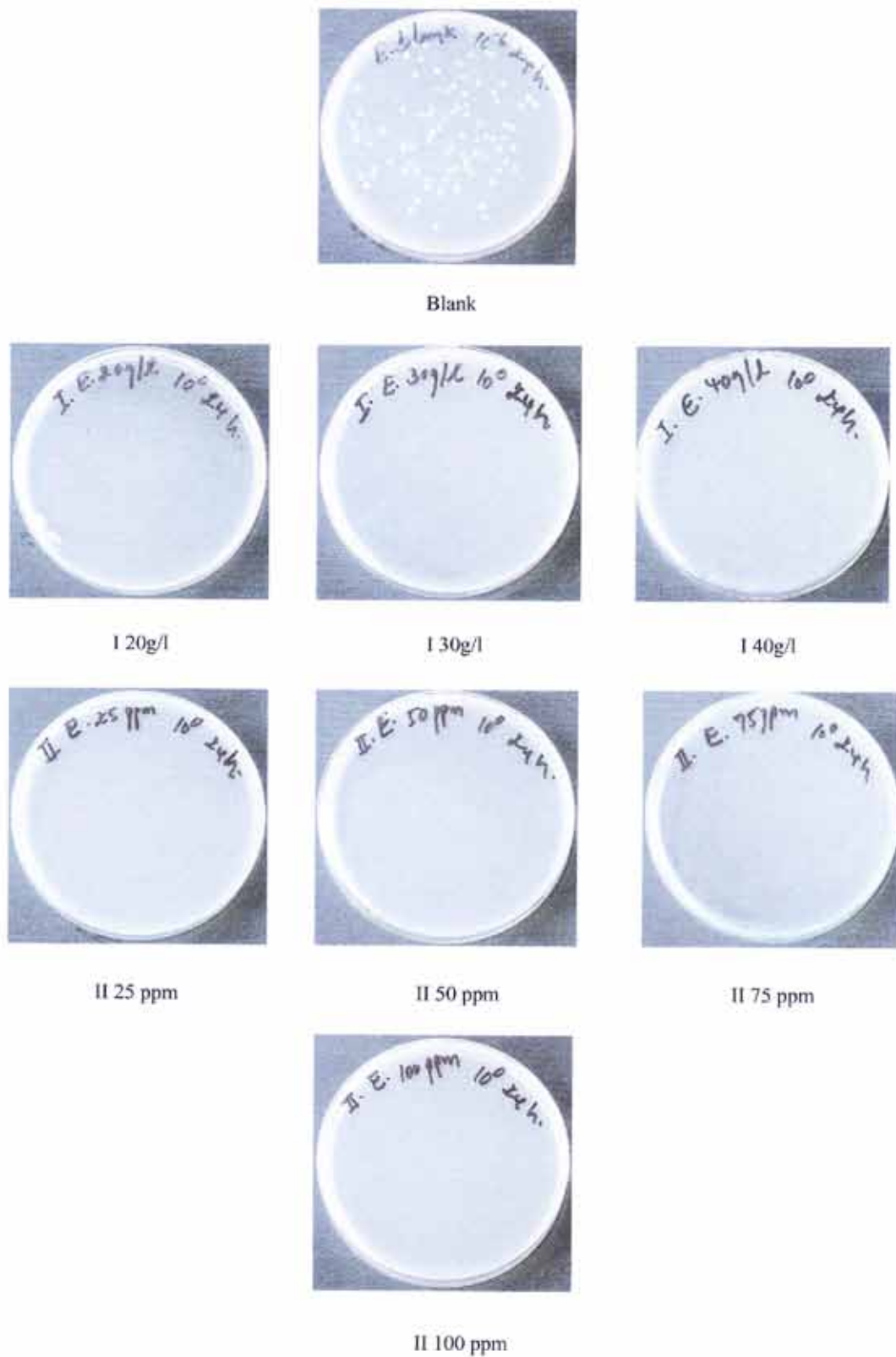


Figure 1 : The number of bacteria on the Blank, I 20g/l, I 30g/l, I 40g/l, II 25 ppm, II 50 ppm, II 75 ppm and II 100 ppm at "24 h." incubation with *Escherichia coli*, plates incubated at 37°C for 24 hrs.