



Lab No.: C 373/1/03

Date: 7 October 2003

## REPORT

(This report is not to be used for advertising purposes)

on Disinfectant Solution

1 sample received from Magna International Pte Ltd

on 22 September 20 03

### SAMPLE LABEL

One bottle of sample, capped and sealed, bearing the following commercial label,

“ Magna-Legionella-X, 500 ml  
Viral-Scrub  
Pine Disinfectant Floor Cleaner

Magna-G12, Canada ”

### TEST METHOD

Modified Kelsey Sykes Capacity Test Option for Hospital Grade Disinfectant under dirty conditions. Four test organisms, *Escherichia coli* NCTC 8196, *Proteus vulgaris* NCTC 4635, *Pseudomonas aeruginosa* NCTC 6749 and *Staphylococcus aureus* NCTC 4163 were used. The inoculum size of each of the test organisms was not less than  $2 \times 10^8$  or more than  $2 \times 10^9$  organisms introduced into the individual test samples of the disinfectant solution. The disinfectant was tested at 1:50 dilutions using hard water (342 ppm Hardness) as diluent.

The method is essentially that given by Kelsey & Maurer (Kelsey, J.C and Maurer Isobel, M. Pharmaceutical Journal (UK) 213: 528-230, (1974)). The disinfectant is tested at the use-dilution recommended by the manufacturer. The test consists of challenging the disinfectant with bacterial inoculum, withdrawing a sample after a given time (8 minutes) and culturing the sample in a suitable recovery culture medium. After this sampling, the mixture is again challenged by a second inoculum and after a second interval (18 minutes) is again sampled for culturing. The sample is passed or failed according to the extent of growth shown in the two cultures sampled.

  
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# Singapore General Hospital

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Department of Pathology

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### TEST RESULT

SAMPLE: " Magna-Legionella-X, Viral-Scrub, Pine Disinfectant Floor Cleaner "

TEST OPTION: Hospital Grade Disinfectant

TEST CONCENTRATION: 1 : 50 Dilution

#### ESCHERICHIA COLI NCTC 8196

INCUBATION TIME	POSITIVE/NEGATIVE CONTROLS	SAMPLING/EXPOSURE TIME		REMARK
		8 MINS	18 MINS	
24 HRS	++/--	-----	-----	Pass
48 HRS	++/--	-----	-----	

#### PROTEUS VULGARIS NCTC 4635

INCUBATION TIME	POSITIVE/NEGATIVE CONTROLS	SAMPLING/EXPOSURE TIME		REMARK
		8 MINS	18 MINS	
24 HRS	++/--	-----	-----	Pass
48 HRS	++/--	-----	-----	

#### PSEUDOMONAS AERUGINOSA NCTC 6749

INCUBATION TIME	POSITIVE/NEGATIVE CONTROLS	SAMPLING/EXPOSURE TIME		REMARK
		8MINS	18 MINS	
24 HRS	++/--	-----	-----	Pass
48 HRS	++/--	-----	-----	

#### STAPHYLOCOCCUS AUREUS NCTC 4163

INCUBATION TIME	POSITIVE/NEGATIVE CONTROLS	SAMPLING/EXPOSURE TIME		REMARK
		8 MINS	18 MINS	
24 HRS	++/--	-----	-----	Pass
48 HRS	++/--	-----	-----	

Note: + : Growth in one tube of recovery broth  
 - : No growth in one tube of recovery broth

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