

# SGH TEST REPORT

*MODIFIED KELSEY SYKES CAPACITY TEST*

HOSPITAL GRADE DISINFECTANT

PRODUCT INFORMATION

SGH TEST REPORT NO

**C373/2/ 03**

PRODUCT CODE **LEGIONELLA-X VIRAL-SCRUB**

DATE OF TEST

**7 OCTOBER 2003**

DESCRIPTION

**PINE DISINFECTANT FLOOR CLEANER**



# Singapore General Hospital

A Tradition of Caring & Excellence

Department of Pathology

Fax: 2226826

Lab No.: C 373/2/03

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,

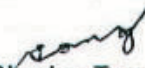
" Magna-Legionella-X, 500 ml  
Viral-Scrub  
Pine Disinfectant Floor Cleaner

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 1:100 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.

  
Dr Charles Tang  
Sr. Principal Scientific Officer  
Pharmaceutical Microbiology Laboratory  
Department of Pathology

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Singapore General Hospital  
1 Hospital Drive, Singapore 169608  
<http://www.sgh.com.sg>

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## REPORT

### TEST RESULT

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

TEST OPTION: Hospital Grade Disinfectant

TEST CONCENTRATION: 1 : 100 Dilution

#### ESCHERICHIA COLI NCTC 8196

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

#### PROTEUS VULGARIS NCTC 4635

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

#### PSEUDOMONAS AERUGINOSA NCTC 6749

<u>INCUBATION</u> <u>TIME</u>	<u>POSITIVE/NEGATIVE</u> <u>CONTROLS</u>	<u>SAMPLING/EXPOSURE TIME</u>		<u>REMARK</u>
		<u>8MINS</u>	<u>18 MINS</u>	
24 HRS	++ / --	+ - - + +	+ + + + +	Fail
48 HRS	++ / --	+ - - + +	+ + + + +	

#### STAPHYLOCOCCUS AUREUS NCTC 4163

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

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

*song*  
Dr Charles Tang  
Sr. Principal Scientific Officer  
Pharmaceutical Microbiology Laboratory  
Department of Pathology

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[www.legionellax.com](http://www.legionellax.com)  
*hospital grade disinfectants*



**Headquarters & Far East Office:**  
**Magna International Pte Ltd**

10H Enterprise Road

Singapore 629834

**Tel** (65) 6788-1228

**Fax** (65) 6785-1497

**Email** [info@magnachem.com.sg](mailto:info@magnachem.com.sg)

**Website** <http://www.magnachem.com.sg>

**North America Office:**

1450 Government Rd West  
Kirkland Lake Ontario P2N 2E9  
Canada

**Email** [magna@vappro.com](mailto:magna@vappro.com)



Certificate No: AJA00/2706



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