

SGH TEST REPORT

MODIFIED KELSEY SYKES CAPACITY TEST

HOSPITAL GRADE DISINFECTANT

PRODUCT	LEGIONELLA-X DRI-KLEEN
DESCRIPTION	DISINFECTS & DRY CLEANS ALL LAUNDRY
DATE OF TEST	7 AUGUST 2003
SGH TEST NO	C300/03



Singapore General Hospital

A Tradition of Caring & Excellence

Department of Pathology

Fax: 2226826

Lab No.: C 300/03

Date: 7 August 2003

REPORT

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

on Disinfectant Spray

1 sample received from Magna International Pte Ltd

on 30 July 20 03.

SAMPLE LABEL

One disinfectant sample in a spray bottle, capped, sealed and bearing the following commercial label,

“ Magna-Legionella-X, 250ml
Dri-Kleen
Disinfects & Dry-Cleans All Laundry
Magna-G12 Pte Ltd, 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 2×10^8 or more than 2×10^9 organisms introduced into the individual test samples of the disinfectant solution. The disinfectant was tested neat.

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-concentration 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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Page 1 of 2



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TEST RESULT

SAMPLE: "Magna-Legionella-X, Dri-Kleen Disinfects & Dry-Cleans All Laundry "

TEST OPTION: Hospital Grade Disinfectant

TEST CONCENTRATION: Neat

ESCHERICHIA COLI NCTC 8196

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

STAPHYLOCOCCUS AUREUS NCTC 4163

<u>INCUBATION TIME</u>	<u>POSITIVE/NEGATIVE 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

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