



Lab No.: C 297/03

Date: 7 August 2003

REPORT

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

on Disinfectant Solution

1 sample received from Magna International Pte Ltd

on 30 July 20 03.

SAMPLE LABEL

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

“ Magna-Legionella-X, 500ml
Magna HD-Miracle
Antibacterial Stain Removal for Kitchenware

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 sample 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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TEST RESULT

SAMPLE: " Magna-Legionella-X, Magna HD-Miracle, Antibacterial Stain Removal for Kitchenware "

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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