



Lab No.: C 302/03

Date: 8 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, 110ml  
Viral-off  
Waterless Hand Disinfectant

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 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.

  
Dr Charles Tang  
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### TEST RESULT

SAMPLE: " Magna-Legionella-X, Viral-off Waterless Hand Disinfectant "

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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