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Your Reference :

Our Reference :

Bactericidal and Fungicidal Quantitative Suspension Test

Date of Report: Feb 24, 2014

Client Company: Eplan International Co. Ltd

Name of Product: Ewash

Manufacturer / Supplier: Eplan Japan

Physical Parameters:

Storage condition: Room Temperature

Appearance: Colourless

Odour: Odourless

Weight: 0.999g/mL

pH: 12.47

Experimental Conditions:

Period of Testing: June to November, 2013

Test Organisms: *E.coli* ATCC 35218
Klebsiella pneumoniae ATCC 700603
Pseudomonas aeruginosa ATCC 15442
Staphylococcus aureus ATCC 6538
Staphylococcus aureus ATCC BAA-43 (Methicillin -
resistant *Staphylococcus aureus*)
Enterococcus faecium ATCC 35667
Candida albicans ATCC 90028
Trichophyton mentagrophytes ATCC 9129

Test Temperature: 20°C

Incubation Temperature: 35°C

Contact time: 0 - 120 minutes

Results:

Test Organisms:	Contact time required to achieve 4 decimal log reduction in bacterial counts :
<i>E. coli</i> ATCC 35218	Immediate post-inoculation (time zero)
<i>Klebsiella pneumoniae</i> ATCC 700603	Immediate post-inoculation (time zero)
<i>Pseudomonas aeruginosa</i> ATCC 15442	Immediate post-inoculation (time zero)
<i>Staphylococcus aureus</i> ATCC 6538	60 minutes
<i>Staphylococcus aureus</i> ATCC BAA-43 (Methicillin - resistant <i>Staphylococcus aureus</i>)	30 minutes
<i>Enterococcus faecium</i> ATCC 35667	#
<i>Candida albicans</i> ATCC 90028	120 minutes
<i>Trichophyton mentagrophytes</i> ATCC 9129	##

One decimal log reduction observed after 120 minutes incubation.

Less than one decimal log reduction after 120 minutes incubation.

Conclusions:

1. The product *Ewash* possesses immediate bactericidal activity against *E. coli* ATCC 35218, *Klebsiella pneumoniae* ATCC 700603, and *Pseudomonas aeruginosa* ATCC 15442 in the conditions of the test.
2. The product *Ewash* possesses bactericidal activity against *Staphylococcus aureus* ATCC 6538, and *Staphylococcus aureus* ATCC BAA-43 (Methicillin - resistant *Staphylococcus aureus*) after the indicated extended contact time.
3. The product *Ewash* does not possess reasonable bactericidal activity and fungicidal against *Enterococcus faecium* ATCC 35667, *Candida albicans* ATCC 90028, and *Trichophyton mentagrophytes* ATCC 9129.
4. In order to qualify the product for a defined purpose it shall be evaluated using additional standard tests which are appropriate to its intended use.


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