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**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 無色

**Odour:** Odourless 無臭

**Weight:** 0.999g/mL

**pH:** 12.47

**Experimental Conditions:**

**Period of Testing:** June to November, 2013

**Test Organisms:** *E.coli* ATCC 35218 大腸桿菌  
*Klebsiella pneumoniae* ATCC 700603 克雷伯氏肺炎菌  
*Pseudomonas aeruginosa* ATCC 15442 綠膿桿菌  
*Staphylococcus aureus* ATCC 6538 金黃色葡萄球菌  
*Staphylococcus aureus* ATCC BAA-43 (Methicillin – resistant *Staphylococcus aureus*) 抗藥性金黃色葡萄球菌 (能抵抗所有青黴素)

*Enterococcus faecium* ATCC 35667 腸球菌

*Candida albicans* ATCC 90028 白色念珠菌

*Trichophyton mentagrophytes* ATCC 9129 鬚毛癬菌

**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 :
大腸桿菌 <i>E.coli</i> ATCC 35218	Immediate post-inoculation (time zero)
克雷伯氏肺炎菌 <i>Klebsiella pneumoniae</i> ATCC 700603	Immediate post-inoculation (time zero)
綠膿桿菌 <i>Pseudomonas aeruginosa</i> ATCC 15442	Immediate post-inoculation (time zero)
金黃色葡萄球菌 <i>Staphylococcus aureus</i> ATCC 6538	60 minutes
抗藥性金黃色葡萄球菌 (能抵抗青黴素)(Methicillin - resistant <i>Staphylococcus aureus</i> )	30 minutes
腸球菌 <i>Enterococcus faecium</i> ATCC 35667	#
白色念珠菌 <i>Candida albicans</i> ATCC 90028	120 minutes
鱗毛菌 <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.

在測試中，*Ewash*對大腸桿菌、克雷伯氏肺炎菌、綠膿桿菌有即時的殺菌能力。

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.

*Ewash*對金黃色葡萄球菌、抗藥性金黃色葡萄球菌接觸一定的時間後會殺死細菌。

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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