



明崴電子Giant Power

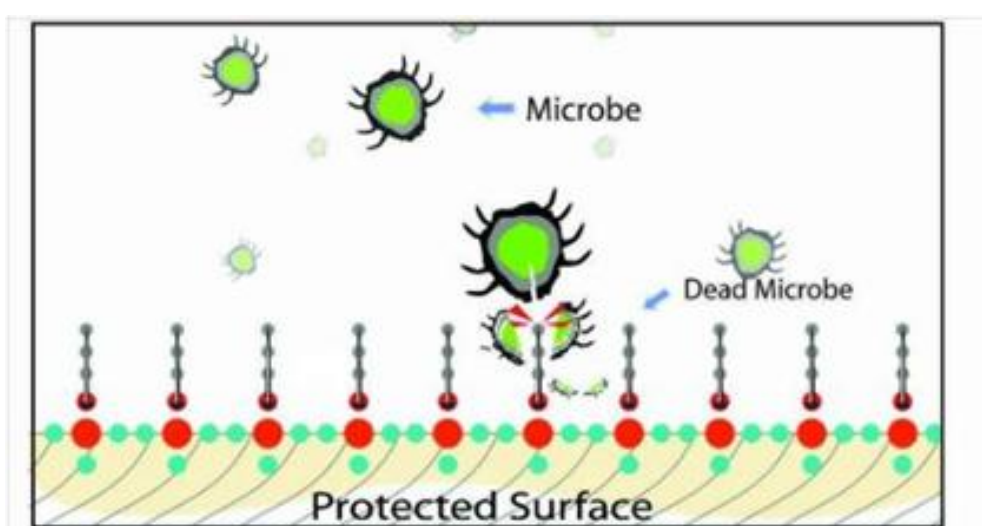
Bring everything to reality

抗菌玻璃介紹及應用

BY GIANT POWER 2020.08.28

INTRODUCTION

隨著中國新冠狀病毒 Covid-19的盛行，明崴電子提出能協助預防的措施。即是應用抗菌cover glasses 與觸控跟顯示器模組做結合以保護我們及我們所愛的人，創造一個安全的環境。以下圖示為說明抗菌玻璃能如何保護我們。



測試菌種

大腸桿菌

根據SGS，在使用抗菌玻璃應用下，抗菌活動值是5.33，即是抗菌指數 >99.999%

金黃色葡萄球菌

根據SGS，在使用抗菌玻璃應用下，AR + AB 的抗菌活動值為5.879.999%，即是抗菌指數>99.9999%

綠膿桿菌

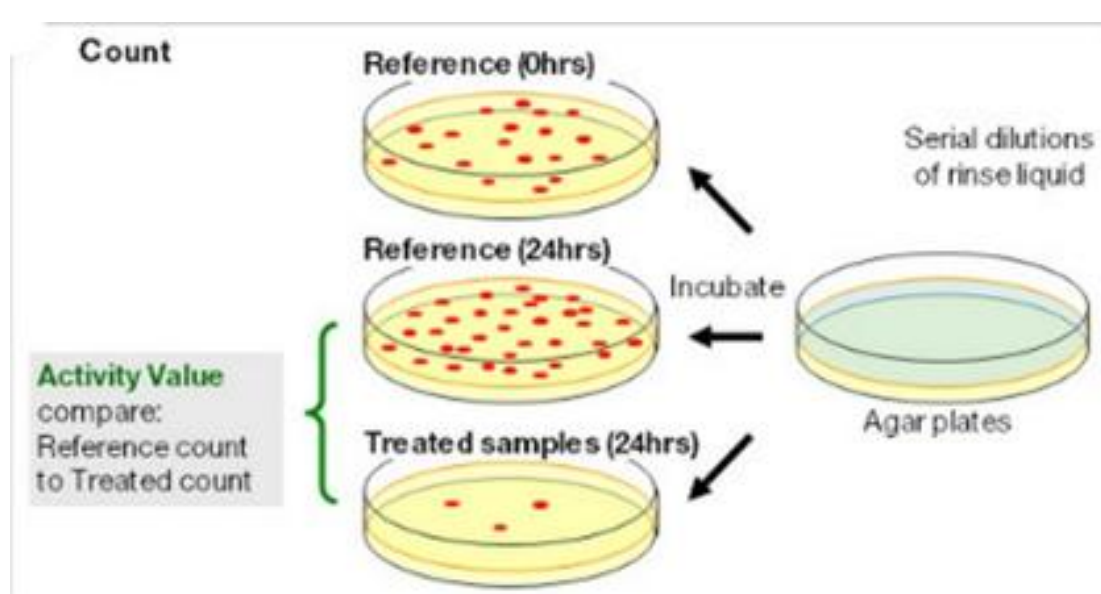
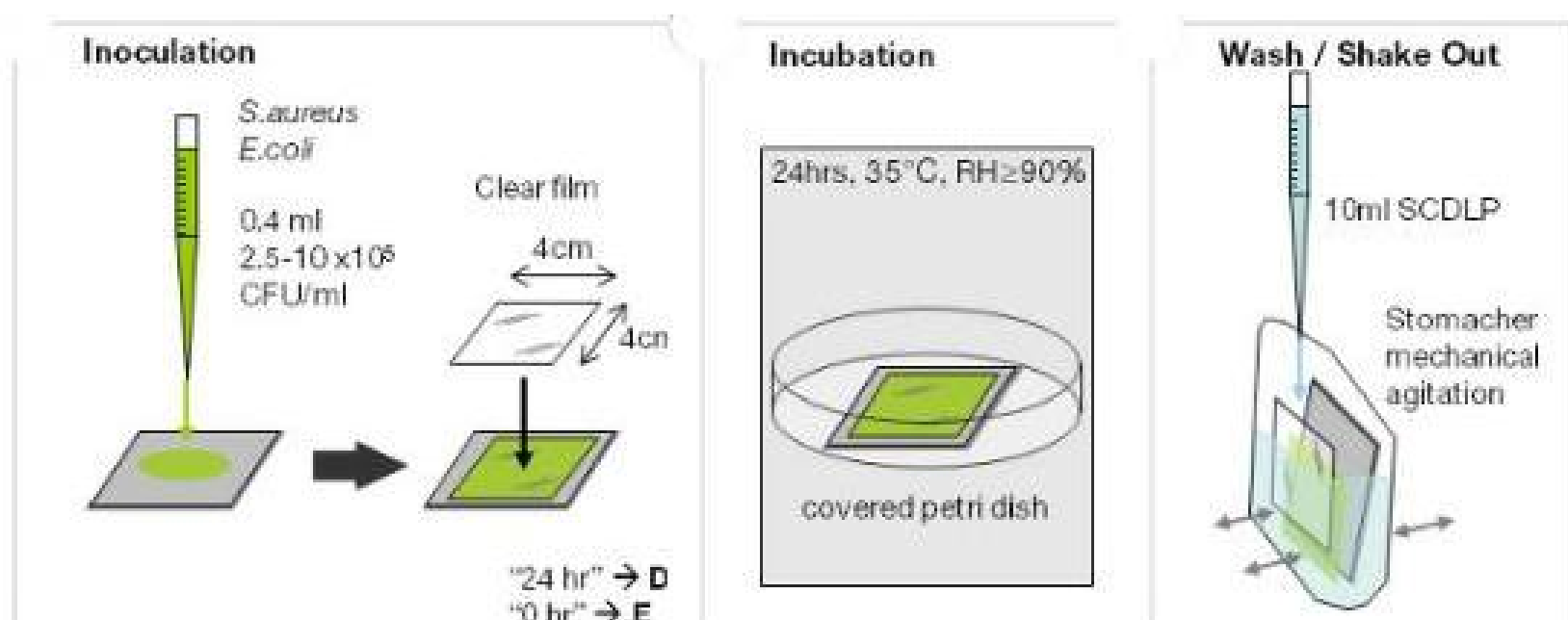
根據SGS，在使用抗菌玻璃應用下，抗菌活動值為5.6，即是抗菌指數 >99.999%

黴菌/滅菌測驗

黴菌/滅菌測驗達到 0 指數

肺炎桿菌

測驗肺炎菌種: Feine Calicivirus ATCC VR-782, 抗病毒活性值為 2.6 = >99% anti-virus.



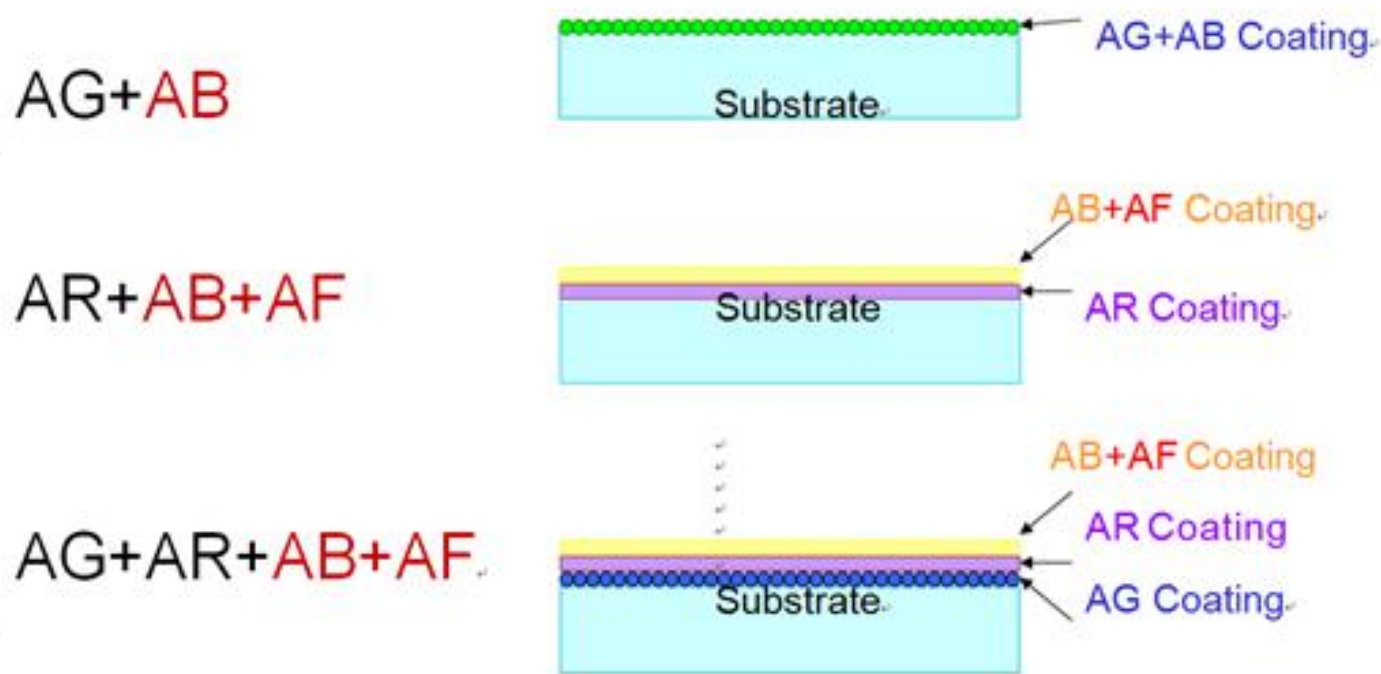


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BY GIANT POWER 2020.08.28

抗菌玻璃與光學膠結構應用結合介紹

Structure of Anti - Bacterial with coating



證書 / 專利

The Director of the United States Patent and Trademark Office

Has received an application for a patent for a new and useful invention. The title and description of the invention are enclosed. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law.

Therefore, this

United States Patent

Grants to the person(s) having title to this patent the right to exclude others from making, using, offering for sale, or selling the invention throughout the United States of America or importing the invention into the United States of America, and if the invention is a process, of the right to exclude others from using, offering for sale or selling throughout the United States of America, or importing into the United States of America, products made by that process, for the term set forth in 35 U.S.C. 154(a)(2) or (c)(1), subject to the payment of maintenance fees as provided by 35 U.S.C. 41(b). See the Maintenance Fee Notice on the inside of the cover.

Joseph Matel

Professing the Functions and Dates of the
Under Secretary of Commerce for Intellectual Property and
Director of the United States Patent and Trademark Office

SGS
Textile Laboratory
Test Report No: T341884-2018-TC Date: May 22, 2018 Page 1 of 2
Leader Optonics Technology Co., Ltd
No. 736, Zhongshan N. Rd., Yongkang Dist.,
Tainan City 71041, Taiwan (R.O.C.)

The following sample was submitted and identified by applicant as:

Sample Description	: One sample of antibial non-woven fabric(s)
Color	: White
Fiber Content	: 50% PP 50% PE
Fabric Weight	: 20gsm
End Use	: Mask
Country of Origin	: Taiwan
Applicant	: Leader Optonics Technology Co., Ltd
Sample Receiving Date	: Apr 25, 2018
Test Performance Period	: Apr 25, 2018 to May 22, 2018
Test Performed	: Selected test(s) as requested by applicant.
Test Results	: For further details, please refer to the following page(s).

Signed for and on behalf of
SGS Taiwan Ltd.
Cherry Kuo
Kuo Ling, Cherry
Supervisor

SGS
Textile Laboratory
Test Report No: T341884-2018-TC Date: May 22, 2018 Page 2 of 2

Test Results:

Determination of Antibacterial Activity of Textile Products (ISO 18184: 2014)

Sample	Common Logarithm Infectivity Titre Value	Antibacterial Activity Value Mv = lg(Ib/ViC) = lg(Vi) - lg(ViC)
Cotton reference specimen - immediately after inoculation	6.95	-
Cotton reference specimen - after 2 hours contacting time	6.03	-
Test fabric specimen - after 2 hours contacting time	3.45	2.6

Note: Mv: The antibacterial activity value
lg(Vi): The common logarithm of infectivity titre value after 2 h contacting with the reference specimen
lg(ViC): The common logarithm of infectivity titre value after 2 h contacting with the antibacterial fabric specimen.
Initial effect standard: 3.0+ Antibacterial activity value(Mv) ≥ 2.0
Full effect standard: Antibacterial activity value(Mv) ≥ 3.0

Tested by other laboratory.

*** End of Report ***



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抗菌玻璃應用



聯絡我們吧!



Let us help you



#StopTheSpread

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