

ANTI-BACTERIAL GLASSES

BY GIANT POWER 2020.08.28

INTRODUCTION

Along with the prosperous COVID-19 virus spreading in the world, GP come up with an idea that to combine the anti-bacterial glasses with our touch panel to protect ourselves and our loved ones at a safty environment. Here is going to introduce how the anti-bacterial can protect us.

TEST BACTERIA

Escherichia Coli

The antibacterial activity value is 5.33 based on our anti-bacteria glasses according to SGS, which means the Antibacterial ratio is >99.999%

MRSA

The antibacterial activity value of AR+AB is 5.87 based on bacteria glasses according to SGS, which means the Antibacterial ratio is >99.999%

Pseudomonas Aeruginosa

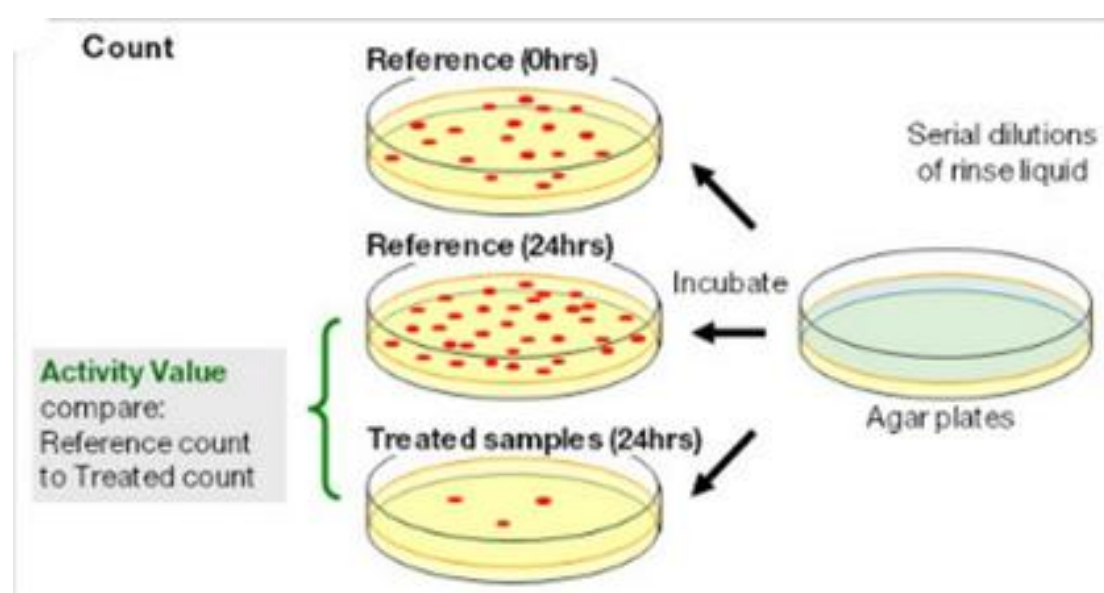
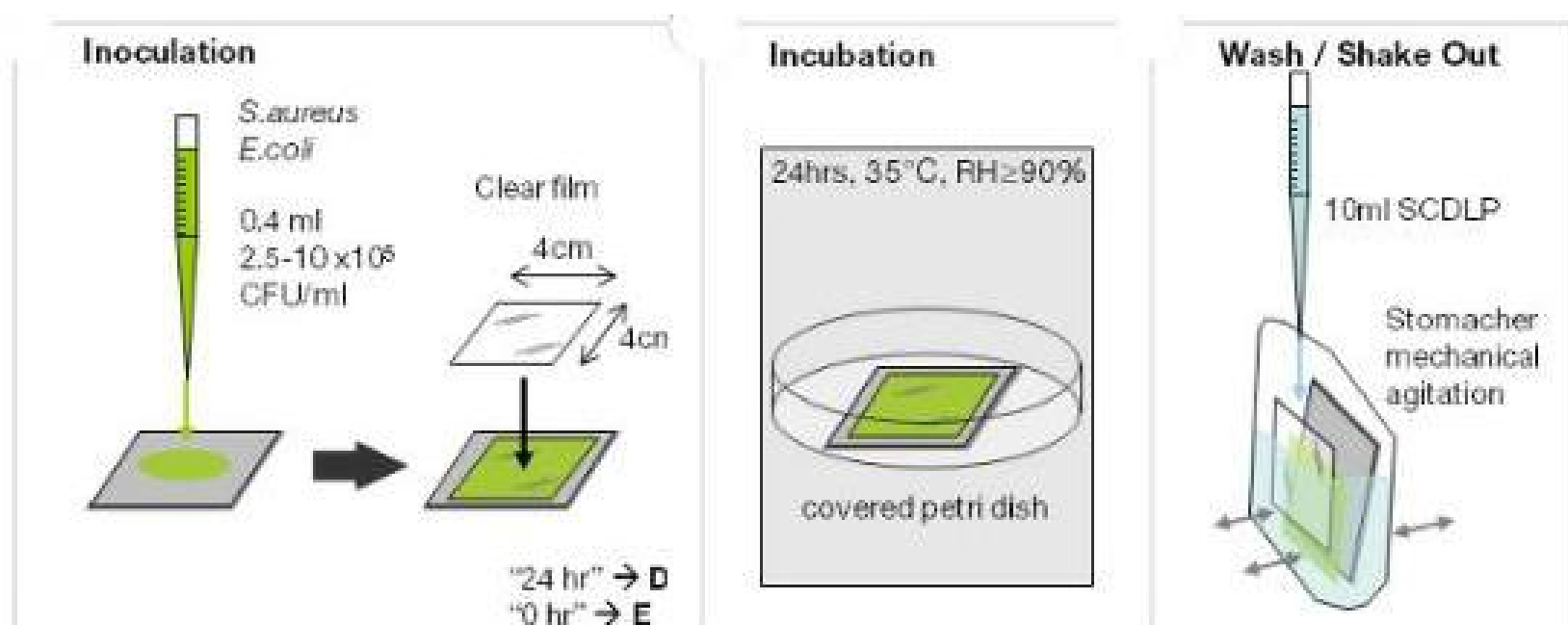
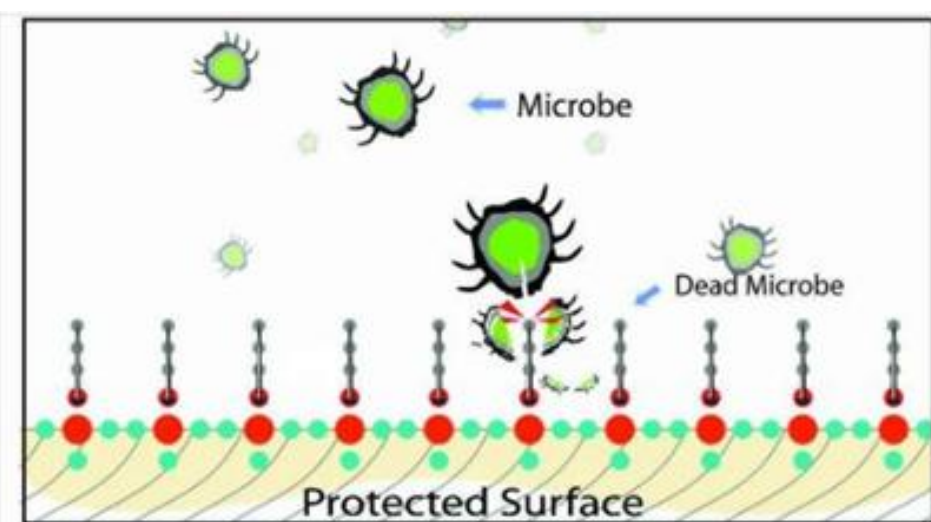
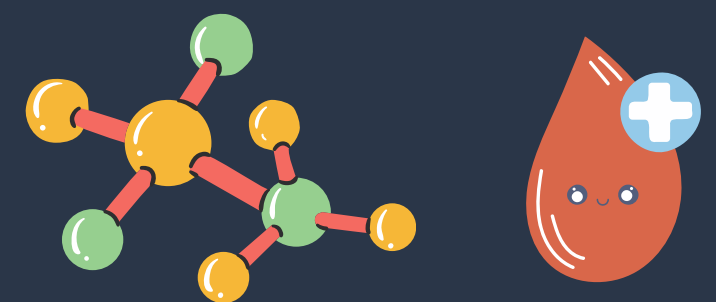
The antibacterial activity value is 5.6 based on bacteria glasses according to SGS, which means the Antibacterial ratio is >99.999%

ASTM G21

ANTI-FUNGUS testing report reaches to Rank 0

Feine Calicivirus ATCC

Testing report of Feine Calicivirus ATCC VR-782, the Antiviral activity value is 2.6 = >99% anti-virus.





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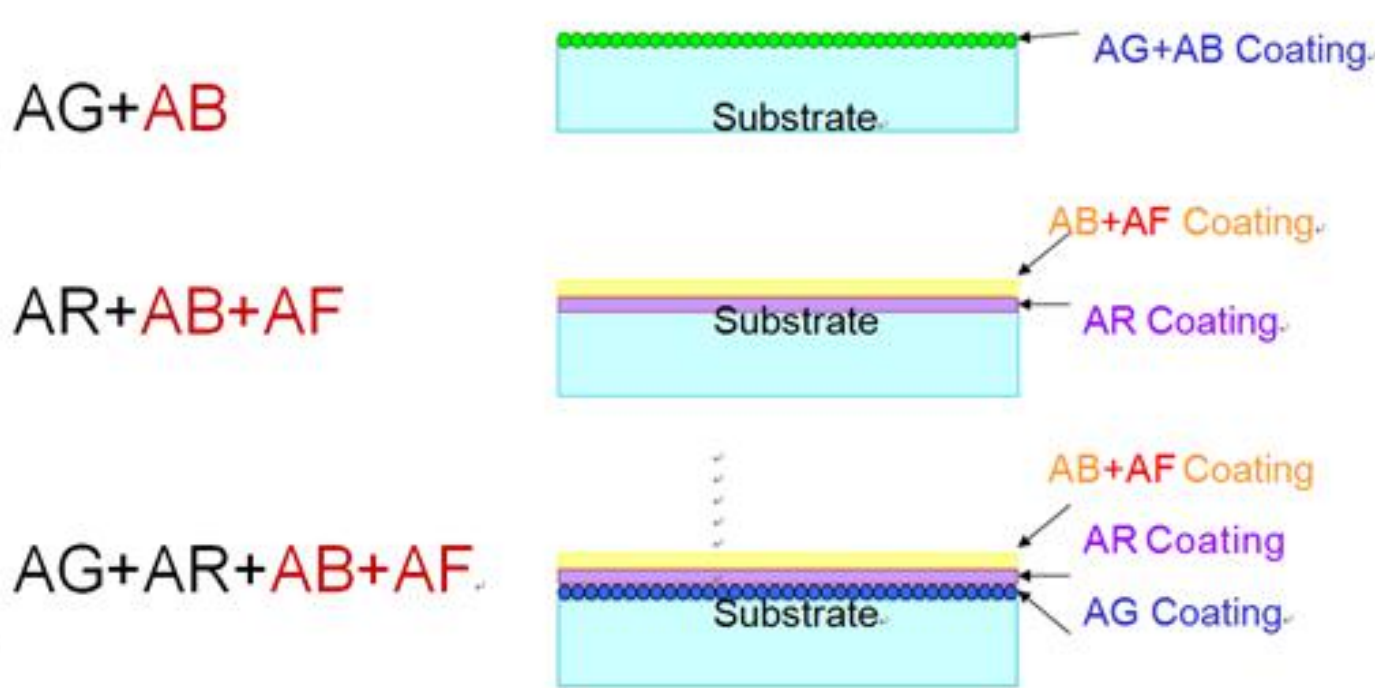
Bring everything to reality

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ANTI-BACTERIAL WITH OPTICAL COATING ON THE COVER LENS / FILM OF TOUCH PANELS

Structure of Anti - Bacterial with coating



CERTIFICATES / PATENTS

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: TX41884-2018-TC Date: May 22, 2018 Page 1 of 2

Leader Optonics Technology Co., Ltd
No. 756, 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 antibi 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

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Textile Laboratory

Test Report No: TX41884-2018-TC Date: May 22, 2018 Page 2 of 2

Test Results:

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

Sample	Common Logarithm Infectivity Titre Value	Antiviral Activity Value Av = lg(I ₀ /I _t) = lg(I ₀) - lg(I _t)
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: I₀: The antiviral activity value (lgU/ml); I_t: The common logarithm of infectivity titre value after 2 h contacting with the reference specimen (lgU/ml); I_t: The common logarithm of infectivity titre value after 2 h contacting with the antiviral fabric specimen.
Initial effect standard: 3.0+ Antiviral activity value(Av) ≥ 2.0
Full effect standard: Antiviral activity value(Av) ≥ 3.0

Tested by other laboratory.

*** End of Report ***



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ANTI-BACTERIAL APPLICATION



WELCOME TO
CONTACT US!



*Let us
help you*



#StopTheSpread

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