



# ***2021 Revolution for Covid-19 killer Technology***

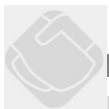
**AIPO Technology Co., Ltd.  
on behalf of Curie Limited**

**Ariel Huang**



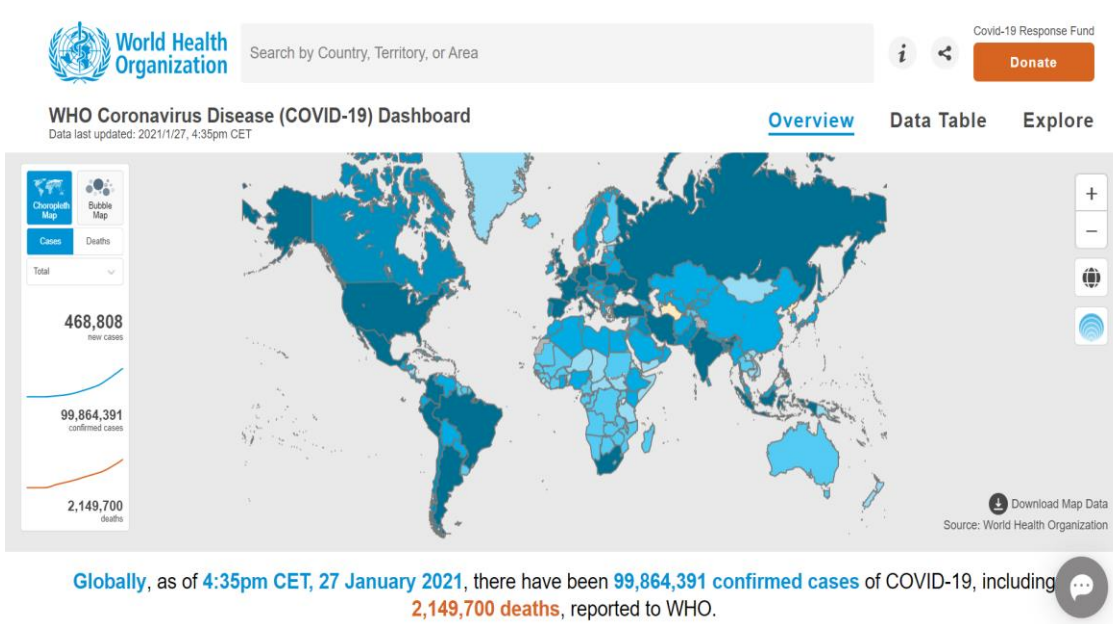
# Agenda

- **Current bottleneck for fighting with Covid-19**
- **Face mask Working Principle and weakness**
- **New Technology Methodology (ARPMC)**
- **Performance of ARPMMC way (Test Result)**
- **Certificates**
- **Strength of New Technology**
- **Comparison Table**
- **AIPO Company Introduction**
- **Certificate of Authority**





# Current Bottleneck of fighting with Covid-19



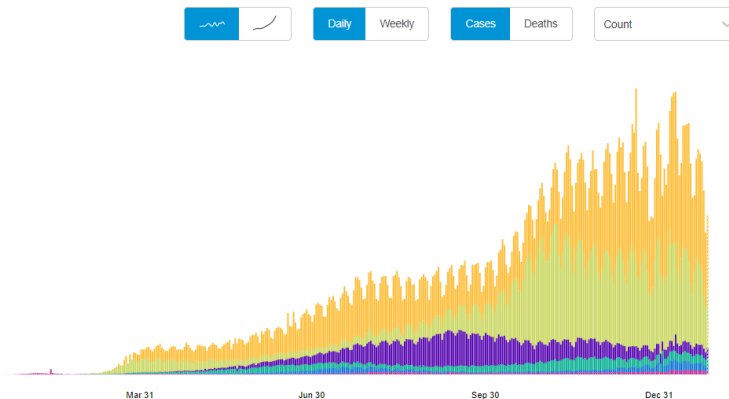
- No efficient solution to suppress the transmissibility of Covid-19
- The second wave of epidemics due to virus mutation
- Even medical staff with complete body protection cannot avoid infection

We need to review the methodology of PPE (especially face mask)!!!

We will propose the revolution of the face mask material technology today.

## Situation by WHO Region

| Region                | Confirmed Cases |
|-----------------------|-----------------|
| Americas              | 44,197,482      |
| Europe                | 33,472,928      |
| South-East Asia       | 12,734,811      |
| Eastern Mediterranean | 5,576,021       |
| Africa                | 2,506,862       |
| Western Pacific       | 1,375,542       |





# Current Bottleneck of fighting with Covid-19

## Problem 1: Current highest grade of masks & PPE can not efficiently protect the healthcare workers.

thebmj

covid-19 Research ▾ Education ▾ News & Views ▾ Campaigns ▾ Jobs ▾

News

**Covid-19: North Dakota and Belgium have let infected health staff work on wards**

BMJ 2020 ; 371 doi: <https://doi.org/10.1136/bmj.m4455> (Published 16 November 2020)  
Cite this as: BMJ 2020;371:m4455

Philippe Devos, head of Belgium's association of medical unions, said in an interview with *Deutsche Welle* that 10% of doctors and nurses at his hospital, CHC Montlegia, were at home sick because of covid-19, while in other hospitals in the country the absence rate was 25%.<sup>4</sup> "We don't have any solution any more," he said. "We are forced to ask them to work, if they agree."



**COVID-19 has infected some 570,000 health workers and killed 2,500 in the Americas, PAHO Director says**

2 Sep 2020

*Despite downward trends, human cost of pandemic remains unacceptably high, with almost 4,000 deaths a day in region*

Washington D.C., September 2, 2020 (PAHO) – Health workers are especially vulnerable to COVID-19, and in the Region of the Americas,

"We have the highest number of health care workers infected in the world," PAHO Director Carissa F. Etienne said during a press conference today. "Our data shows that nearly 570,000 health workers across our region have fallen ill and more than 2,500 have succumbed to the virus."

■ Proof 1

Belgium got over 25% of healthcare workers infected, they are geared with highest grade of masks and PPE

■ Proof2

US got over 570,000 healthcare workers infected, they are geared with highest grade of masks and PPE

■ Problem:

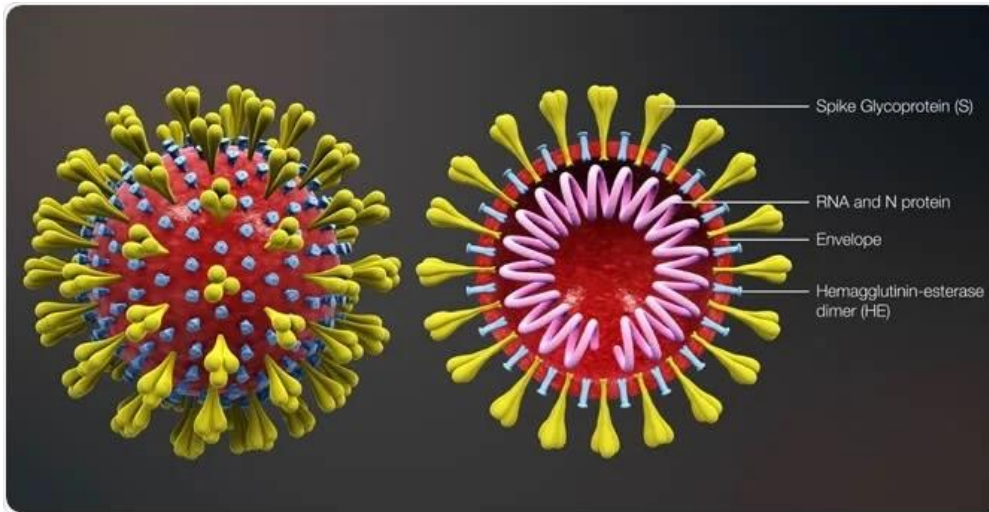
**Current highest grade of masks & PPE can not efficiently protect the healthcare workers.**



Trust Together

## Current Bottleneck of fighting with Covid-19

**Problem 2: The second wave of epidemics due to virus mutation. More spike proteins made 10 times more infectious.**



- Spike protein over coronavirus is negative charged.
- Mutation of COVID-19 tend to have more spike proteins.

**Our solution of Covid-19 killing is to use negative charged spike protein characteristics cleverly.**

Virology 442 (2013) 74–81



Contents lists available at SciVerse ScienceDirect

Virology

journal homepage: [www.elsevier.com/locate/yviro](http://www.elsevier.com/locate/yviro)



The Washington Post

Democracy Dies in Darkness

Science

**This coronavirus mutation has taken over the world. Scientists are trying to understand why.**

Studying both versions of the gene using a proxy virus in a petri dish of human cells, Choe and her colleagues found that viruses with the G variant had **more spike proteins**, and the outer parts of those proteins were less likely to break off. This made the virus approximately 10 times more infectious in the lab experiment.

**Negatively charged residues** in the endodomain are critical for specific assembly of spike protein into murine **coronavirus**

Qianqian Yao<sup>a</sup>, Paul S. Masters<sup>b</sup>, Rong Ye<sup>a,\*</sup>

<sup>a</sup> Department of Microbiology and Parasitology, School of Basic Medical Sciences, Fudan University, Shanghai 200032, China  
<sup>b</sup> Wadsworth Center, New York State Department of Health, Albany, New York, USA

#### ARTICLE INFO

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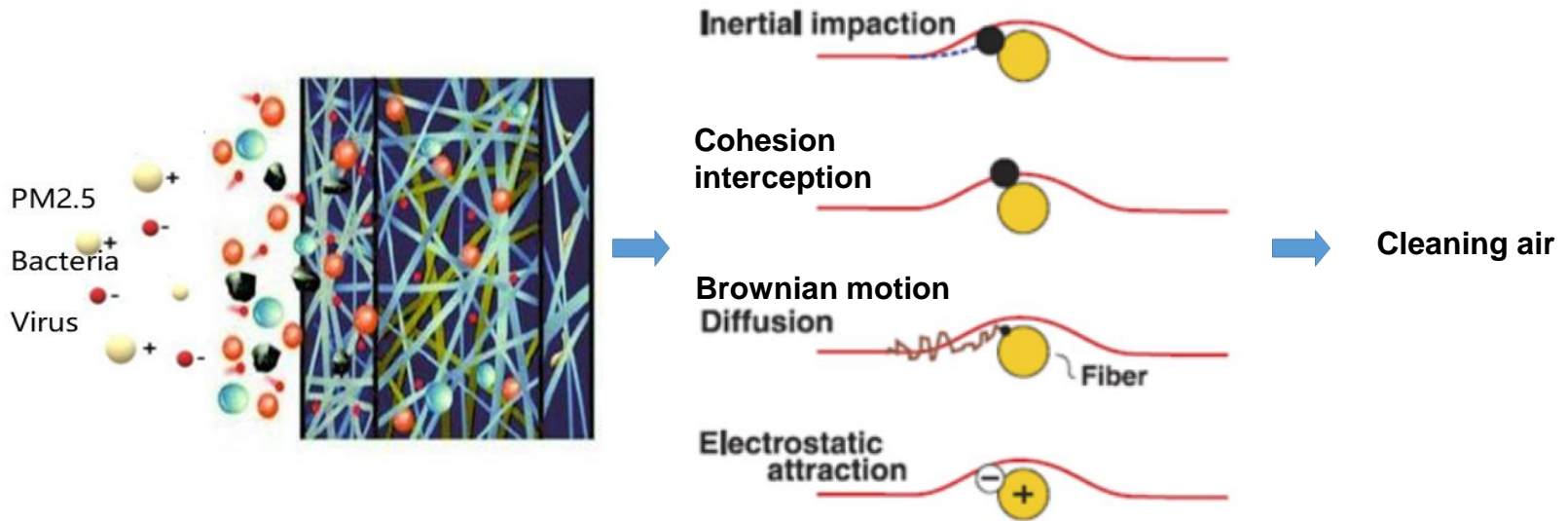
Keywords:  
 Coronavirus  
 Spike glycoprotein  
 Assembly  
 Endodomain  
 Negatively charged residues

#### ABSTRACT

Coronavirus spike (S) protein assembles into virions via its carboxy-terminus, which is composed of a transmembrane domain and an endodomain. Here, the carboxy-terminal charge-rich motif in the endodomain was verified to be critical for the specificity of S assembly into mouse hepatitis virus (MHV). Recombinant MHVs exhibited a range of abilities to accommodate the homologous S endodomains from the betacoronaviruses bovine coronavirus and human SARS-associated coronavirus, the alphacoronavirus porcine transmissible gastroenteritis virus (TGEV), and the gammacoronavirus avian infectious bronchitis virus respectively. Interestingly, in TGEV endodomain chimeras the reverting mutations resulted in stronger S incorporation into virions, and a net gain of negatively charged residues in the charge-rich motif accounted for the improvement. Additionally, MHV S assembly could also be rescued by the acidic carboxy-terminal domain of the nucleocapsid protein. These results indicate an important role for negatively charged endodomain residues in the incorporation of MHV S protein into assembled virions.  
 © 2013 Published by Elsevier Inc.

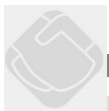
# Working Principle of Traditional fiber filter

## Filtration Mechanisms




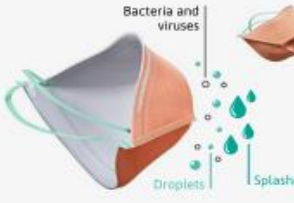
### Adsorption of dust/Bacteria/Virus is by polarized charged fibers

Mainstream material for air filtration is meltblown. Meltblown rely on physical electrostatic force to arrest COVID-19, but not relying on the fabric density. When particles are passing through meltblown fabric, they shall be induced by electrostatic force, and then attached to fabric surface





# Working Principle of Traditional fiber filter

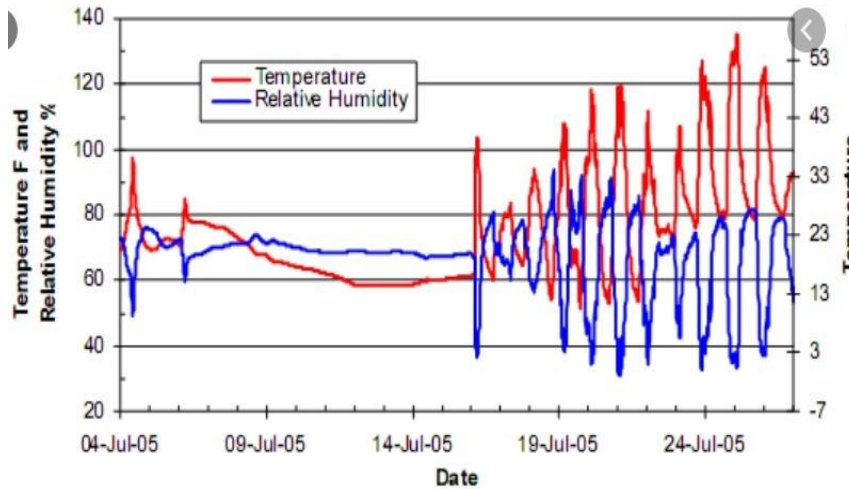
| Category  | MEDICAL MASKS                    |  | FACIAL FILTERING RESPIRATORS |                         |                          |
|---|----------------------------------|--|------------------------------|-------------------------|--------------------------|
| <b>MEDICAL MASKS</b><br>Measures % efficacy of bacterial filtration efficiency (BFE) of the particle size @3.0 microns<br> | <b>USA:</b><br><b>ASTM F2100</b> | <i>Filtration efficiency is one of five tests conducted to classify the masks under 3 levels</i>   | <b>Level 1</b><br>≥ 95%      | <b>Level 2</b><br>≥ 98% | <b>Level 3</b><br>≥ 98%  |
|   | <b>EU:</b><br><b>EN 14683</b>    | <i>Filtration efficiency is one of four tests conducted to classify the masks under 3 types</i>  | <b>Type I</b><br>≥ 95%       | <b>Type II</b><br>≥ 98% | <b>TYPE IIR</b><br>≥ 98% |
| <b>FACIAL FILTERING RESPIRATORS</b><br>Measures the % efficacy of the penetrating particle size @0.3 microns<br>           | <b>USA:</b><br><b>42 CFR 84</b>  | <i>This standard meets the performance criteria set by CDC for respiratory devices used in healthcare settings and is used by US National Institute for Occupational Safety and Health (NIOSH) for certification</i> | <b>N95</b><br>≥ 95%          | <b>N99</b><br>≥ 99%     | <b>N100</b><br>≥ 99.97%  |
|   | <b>EU:</b><br><b>EN 149</b>      | <i>This standard specifies minimum requirements for filtering half masks as respiratory protective devices to protect against particles except for escape purposes</i>   | <b>FFP 1</b><br>≥ 80%        | <b>FFP 2</b><br>≥ 94%   | <b>FFP 3</b><br>≥ 99%    |

**REMEMBER:**

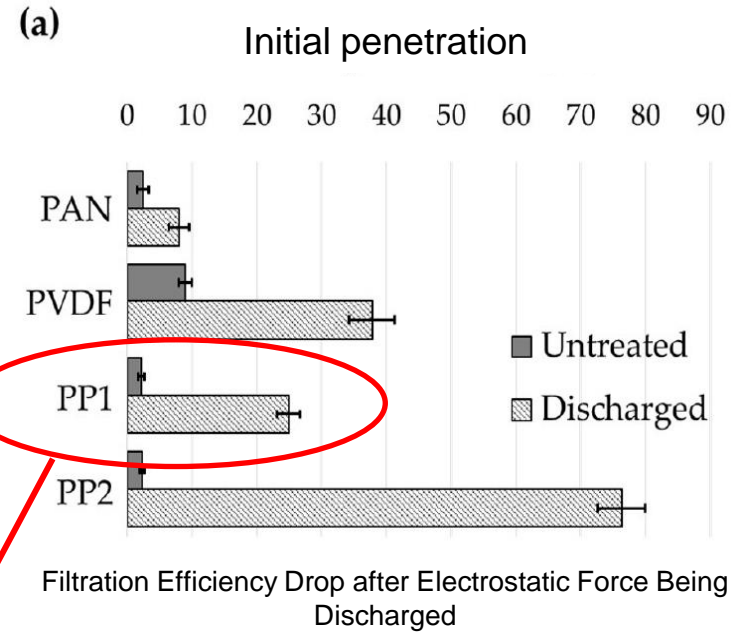
- Always ensure compliance with your local public health authorities regulations surrounding usage and selection guidance of personal protective equipment (PPE) to combat the COVID-19 pandemic.

- Testing method of ASTM and EN mainly focus on **Particulate Filtration Efficiency (PFE)**.
- Physical properties of particulate vary to COVID-19.  
**Particulate is neutral charged**, they can be induced and arrested under electrostatic force.
- **COVID-19 is strong negative charged**, negative charged electrostatic force will repel instead of arresting COVID-19

# Weakness of Traditional fiber filter



Temperature and Humidity Change in Ocean Freight



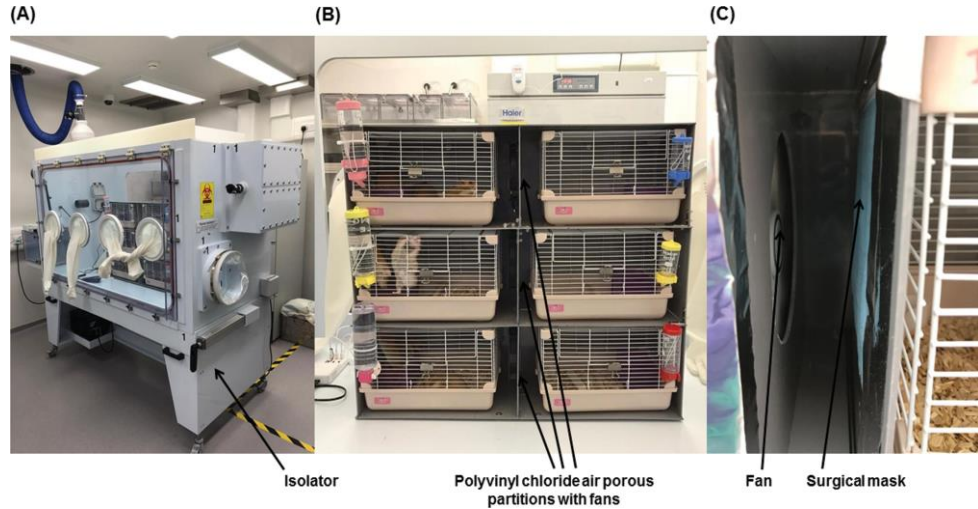
PP1 is a polypropylene homopolymer, which is purified and more expensive material for meltblown. The World Health Organization (WHO) conducted a study and found that major material of meltblown for 3M masks only achieved 75% protection efficiency.

Electrostatic force would be discharged during transportation or wearing because of hot weather and high humidity.

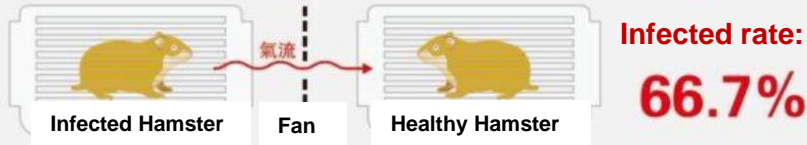


## Surgical Mask Partition Reduces the Risk of Noncontact Transmission in a Golden Syrian Hamster Model for Coronavirus Disease 2019 (COVID-19)

Jasper Fuk-Woo Chan,<sup>1,2,3,4</sup> Shuofeng Yuan,<sup>5,6</sup> Anna Jinxiu Zhang,<sup>5,6</sup> Vincent Kwok-Man Poon,<sup>1</sup> Chris Chung-Sing Chan,<sup>1</sup> Andrew Chak-Yiu Lee,<sup>1</sup> Zhimeng Fan,<sup>1</sup> Can Li,<sup>1</sup> Ronghai Liang,<sup>1</sup> Jianli Cao,<sup>1</sup> Kaimeing Tang,<sup>1</sup> Cuiting Luo,<sup>1</sup> Vincent Chi-Chung Cheng,<sup>2</sup> Jian-Piao Cai,<sup>1</sup> Hin Chu,<sup>1</sup> Kwok-Hung Chan,<sup>1</sup> Kelvin Kai-Wang To,<sup>1,2,3</sup> Siddharth Sridhar,<sup>1,2,3</sup> and Kwok-Yung Yuen<sup>1,2,3</sup>



Without Surgical Mask Protection:



Surgical masks are placed in healthy hamster cage vents



Surgical masks are placed in Infected hamster cage vents



The University of Hong Kong found masks would only have 66.6% / 83.3% protection efficiency against latest mutation of COVID-19.

# Bottleneck of current mask standards

- ASTM F2100 / NIOSH / EN14683 / EN149 only focus on **Particulate Filtration Efficiency (PFE)**
- PFE is using **neutral charged NaCl** to test penetration rate of masks, but the Physical properties and motions are fundamentally **different from COVID-19**.
- Electrostatic force will work well on neutral charged object, but they would be **less effective** on **negative charged COVID**.
- **Mutation of COVID** make it much **stronger in negative charged** than the 1<sup>st</sup> generation.
- Current standard can not test:
  1. **Electrostatic lost in transportation:** Transportation & storage will reduce filtration efficiency
  2. **Head motion** will shake COVID-19 inwards to our mouth during wearing





# Revolution of mask material design ~ARPMC patented way (Aldrin & Rayman's Strong Polycationic Mechanism and Composite)

## Technical Path

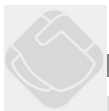
1. Strong positive charged polymer attract negative charged protein based biohazard like COVID-19

2. Polymer arrest biohazard like COVID-19

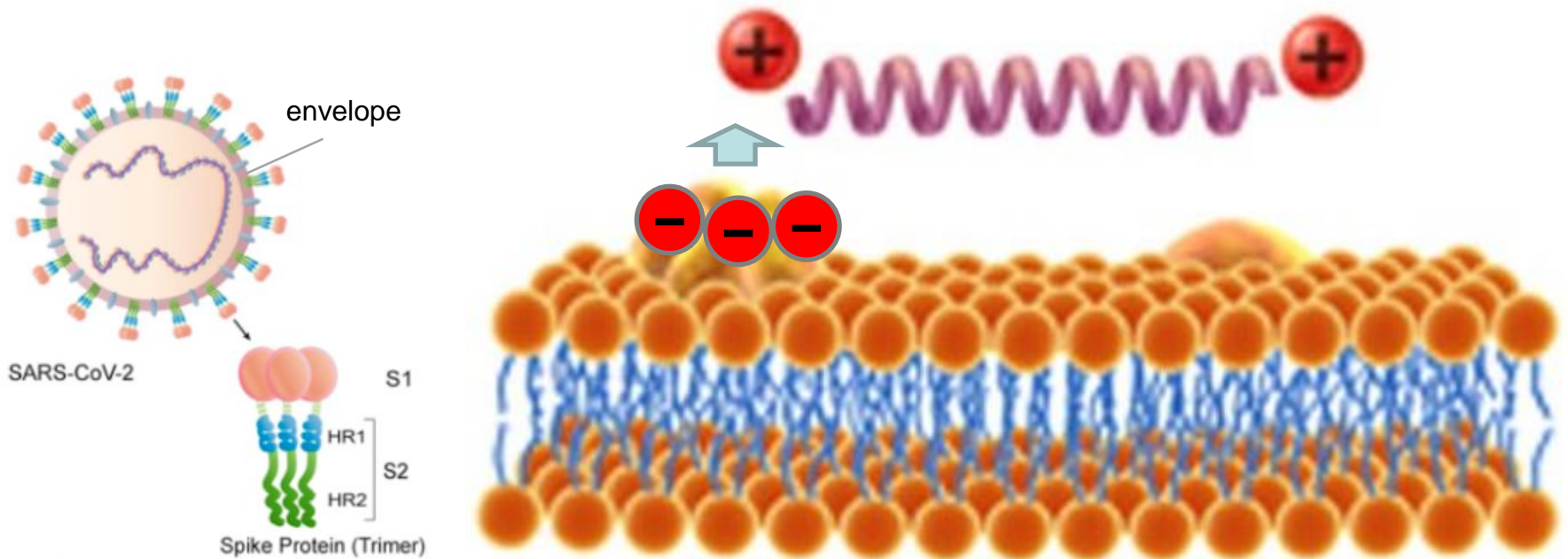
3. Polymer tear off envelope of biohazard like COVID-19



New approach is using strong positive charged polymer to build up a nano net between fabric base to arrest COVID-19



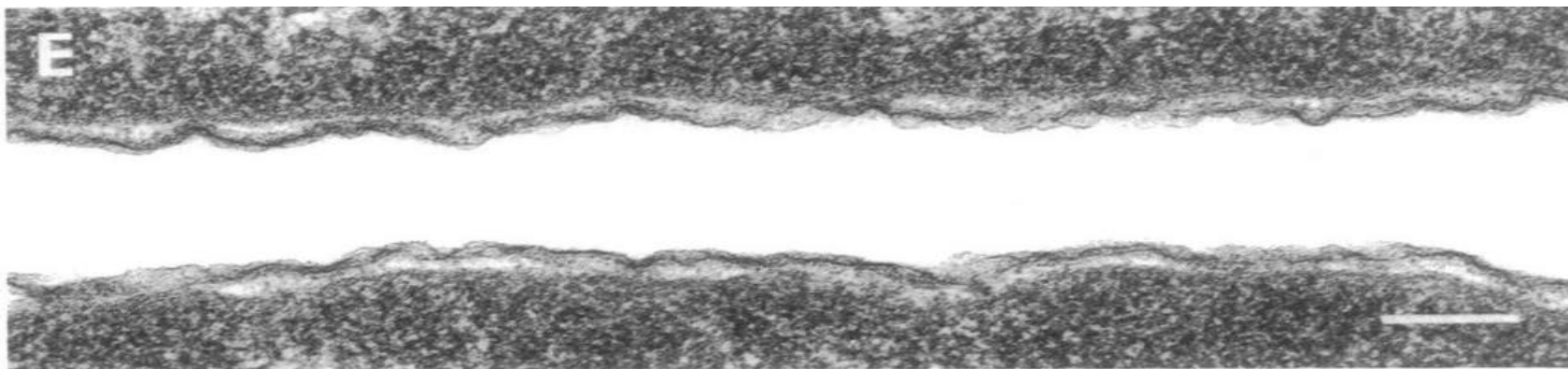
# Methodology of ARPMC method



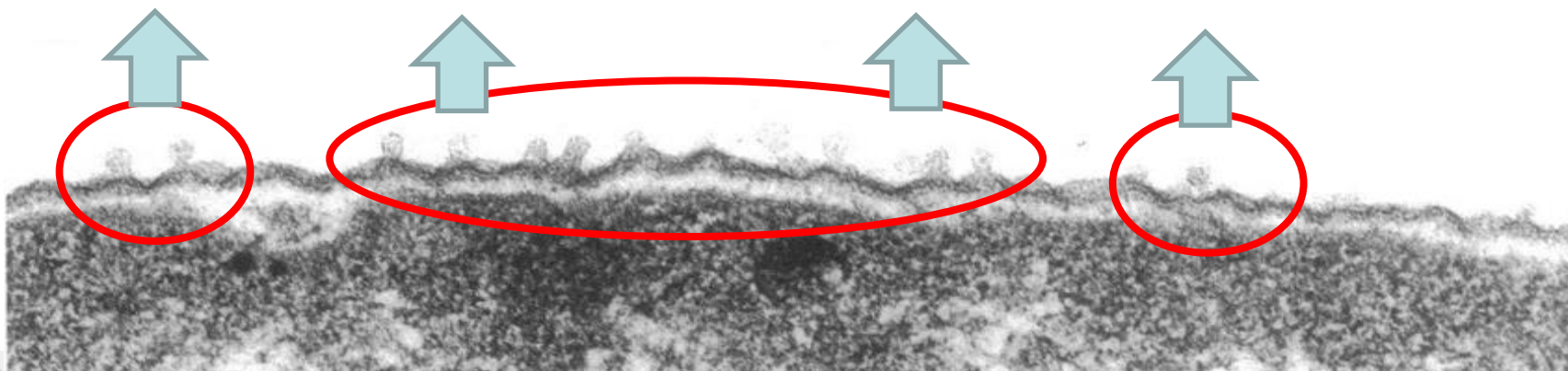
Strong positive charged polymer will attract negative charged polar head in the envelope of COVID-19, then tear it off and kill it.



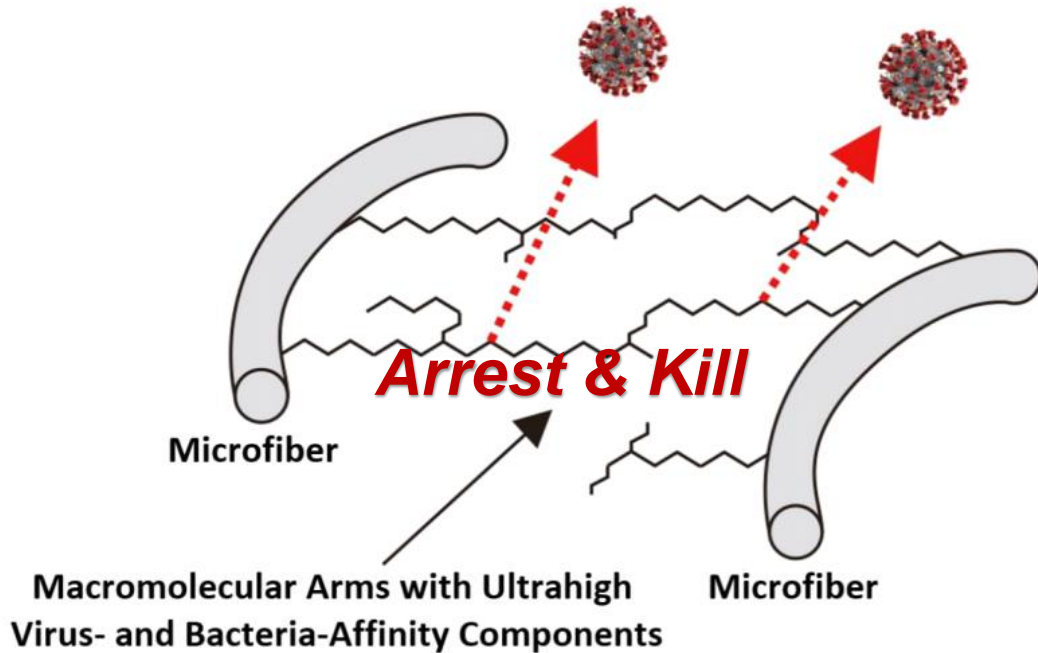
Normal bacterial envelope



When the bacterial envelope is sensed to the positive, the head with the negative phosphate is pulled up



## ARPMC method

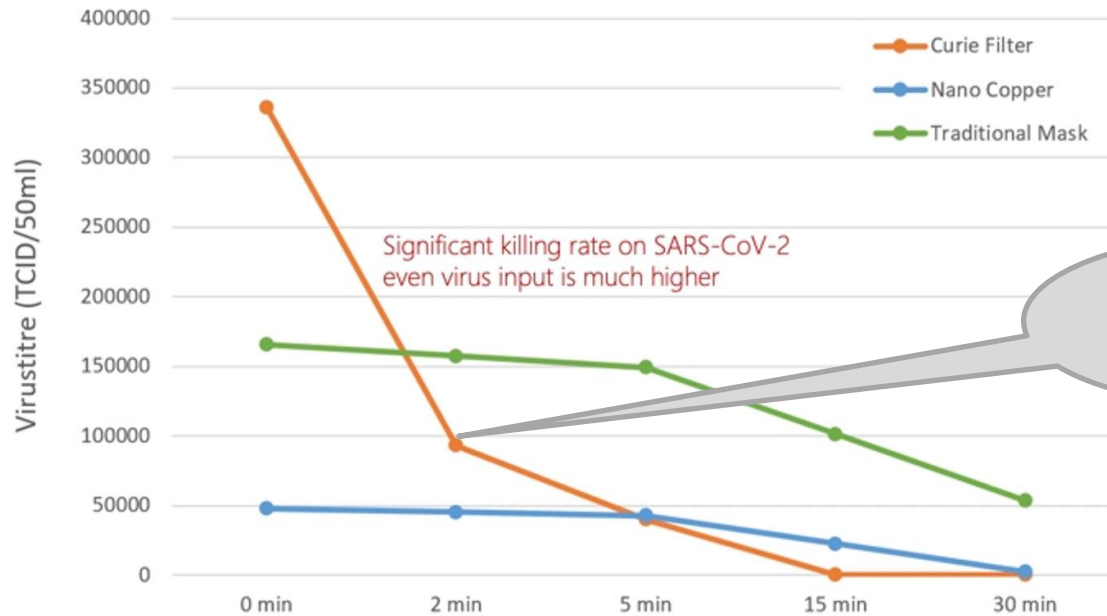


- Cost efficient
- Scalable rapid production
- stable  
(NO effected by hot weather & high humidity)
- No Sequelae  
(NO toxicity and heavy metals inside)

New approach is using strong positive charged polymer to build up a nano net between fabric base to arrest COVID-19



# Performance of ARPMC method ~ COVID Killing Test Report



Note: Internal experimental data from the University of Hong Kong have not yet been made public  
Date: Jan. 2021

Only **2** minutes can reduce almost **77%** Virustitre  
Only **15** minutes can reduce almost **100%** Virustitre



# Performance of ARPMC method ~ COVID Killing Test Report



Study Number 1280865-S01  
Viral Filtration Efficiency (VFE) Final Report

Report No: ATCCR20081010F

### Results:

| Test Article Number | Percent VFE (%)    |
|---------------------|--------------------|
| 1                   | >99.9 <sup>a</sup> |
| 2                   | >99.9 <sup>a</sup> |
| 3                   | >99.9 <sup>a</sup> |
| 4                   | >99.9 <sup>a</sup> |
| 5                   | >99.9 <sup>a</sup> |

<sup>a</sup> There were no detected plaques on any of the Andersen sampler plates for this test article.

The filtration efficiency percentages were calculated using the following equation:

$$\% VFE = \frac{C - T}{C} \times 100$$

C = Positive control average

T = Plate count total recovered downstream of the test article

Note: The plate count total is available upon request

### Test results

| Virus Types                                  | (NO) | lg(Va <sub>0h</sub> ) (lgTCID <sub>50</sub> /mL) | lg(Vb <sub>2h</sub> ) (lgTCID <sub>50</sub> /mL) | lg(Vc <sub>2h</sub> ) (lgTCID <sub>50</sub> /mL) |
|--|------|--|--|--|
| COVID-19 virus<br>MDCK cells                 | 1    | 6.73   | 6.68   | 3.7  |
|  | 2    | 6.68   | 6.56   | 4  |
|  | 3    | 6.7  | 6.57   | 3.9  |
| Average Value of<br>lgTCID <sub>50</sub> /mL |      | 6.70   | 6.61   | 3.88   |
| Antiviral Activity Value                     |      | 2.72   |  |  |
| Antiviral Activity Rate (%)                  |      | 99.81  |  |  |

New approach can  
arrest **99.9a%** of virus

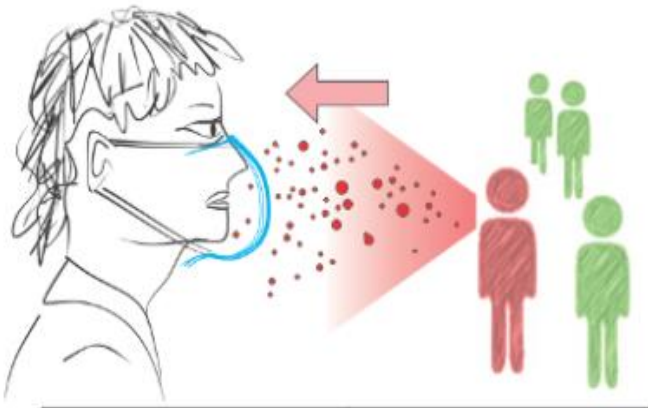
New approach can  
kill **99.81%** of COVID-19



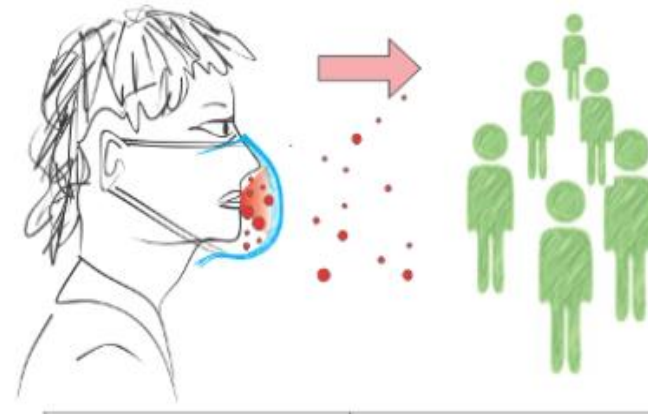
Trust Together

# Function of ARPMC method

protecting yourself  
(inward protection)



protecting others  
(outward protection)



For Healthy people  
Arrest & Kill COVID-19 outside the mask  
can protect ourselves  
**Arrest 99.9a%/ kill 99.81% of COVID-19**

For infected people  
Arrest & Kill COVID-19 inside the mask  
can protect others  
**Arrest 99.9a%/ kill 99.81% of COVID-19**



# Full certificates of ARPMC method

## Qualifications and Certifications



US Patent Number  
62988900

US Patent WIPC2002  
HK Patent



HK Patent Number  
32020008506.8

ASTM F2101 VFE  
ASTM F2101 BFE  
ASTM F1980



US FDA Establishment Registration and Device Listing  
US FDA Personal Protective Equipment Emergency Use Authorization (PPE EUA)

ASTM F2100 Level 3



EU CE Disposable Medical Face Mask Class I / Type IIR  
EU CE EN149:2001+A1:2009 – FFP2  
EU CE EN149:2001+A1:2009 – FFP3

ISO18184 COVID-19  
ISO18184 H3N2  
ISO20743



Taiwan Ministry of Health and Welfare Medical Device Manufacturing No.  
008382

EN ISO 21084:2019  
EN ISO 18254:2016  
EN ISO 14184:2011  
EN ISO 14389: 2014



ISO9001:2015  
ISO 14001:2015  
EN ISO 13485:2016

JIS L 1041  
DIN EN ISO 17070:2015



Viral Filtration Efficiency (VFE) in ASTM F2101  
Proven that Curie technology can effectively filter virus (>99.9a%)

64 LFBG B 82.02-08  
US CPSC-CH-C1001-09.4



Bacterial Filtration Efficiency with Increased Delivery Challenge (BFE) in  
ASTM F2101 and EN14683  
Proven that Curie technology can effectively filter increased challenge of bacteria  
(99.8%)

Derka SARS-CoV-2  
EN149 FFP2  
EN14683 Type IIR



Viral Filtration Efficiency (VFE) in ASTM F2101  
Proven that Curie technology can effectively filter virus (>99.9a%)

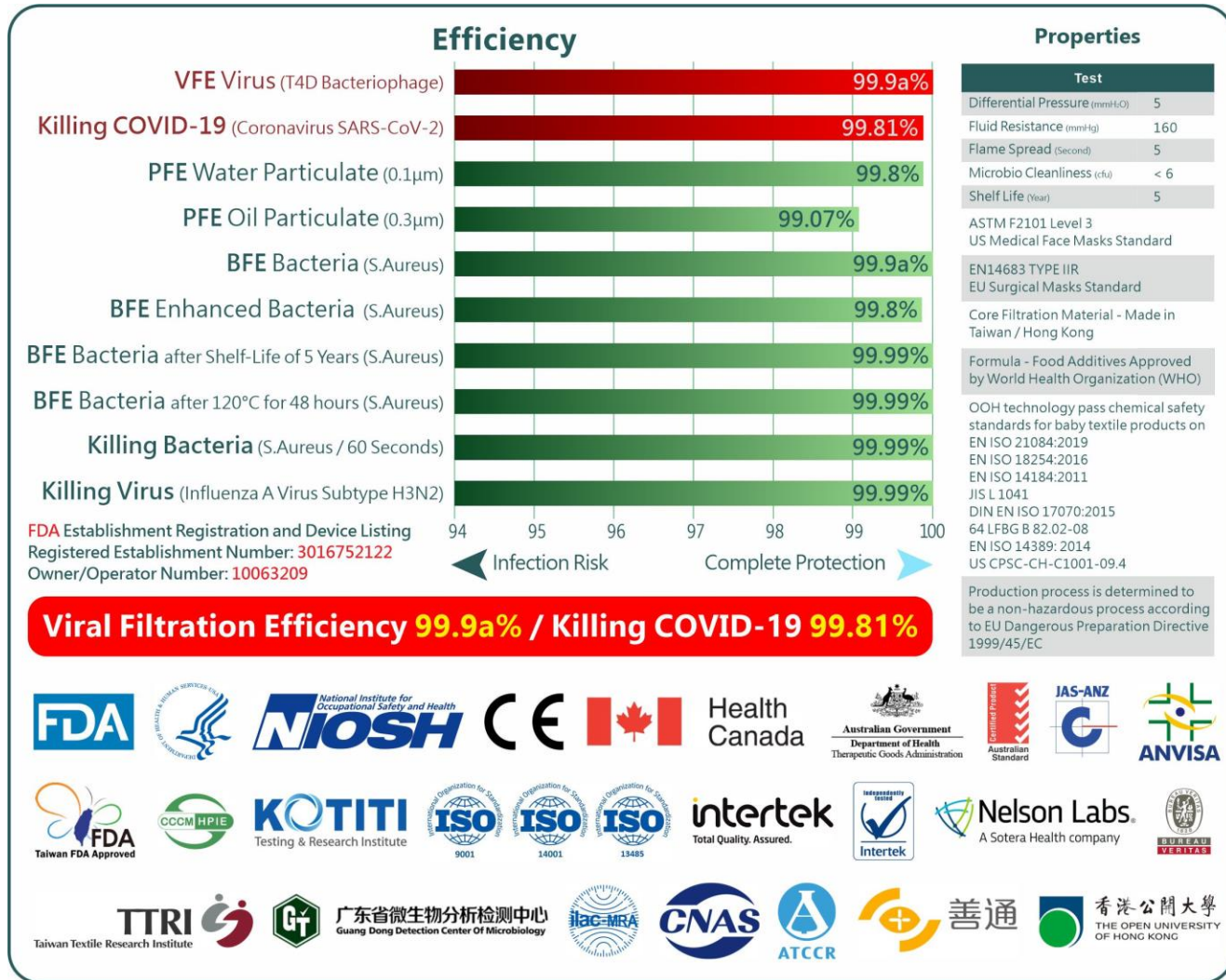
GB19083  
GB2626



Trust Together

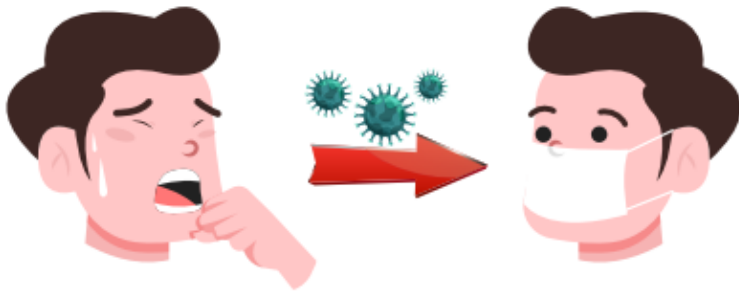


# Full certificates of ARPMC method



# Function of ARPMC mask

## Primary Infection



Breathing : < 1,000 COVID-19 viruses

Coughing : < 1,000,000 COVID-19 viruses

Infection : Breathing in > 100 active COVID-19 viruses

| Type of Mask | No of Virus Penetrating Mask |          |
|--------------|------------------------------|----------|
|              | Breathing                    | Coughing |
| VFE 95%      | <50                          | <50,000  |
| VFE 99%      | <10                          | <10,000  |
| Curie        | <1                           | <10      |

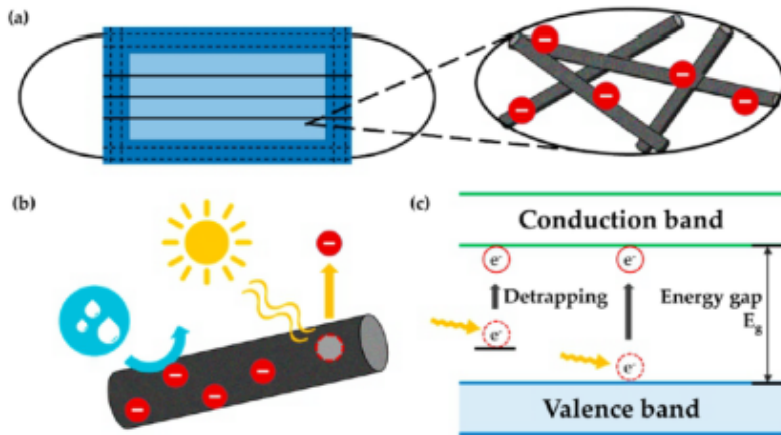
## Secondary Infection



- Viruses can survive on the surface of traditional masks for 7 days
- Viruses can grow 180 times more after 4 hours of usage
- We get infected by touching masks when they are full of viruses
- We bring masks with viruses back home, and cause secondary infection in our home environment
- A COVID-19 killing mask can fully protect against secondary infection



## Shortcoming of Traditional Mask



Meltblown cloth relies on electrostatic to capture bacteria and viruses. Surface proteins of bacteria and viruses are negative-charged, and the electrostatic itself is negative. The polarity of the two is the same and therefore it repels – inefficient in capturing microbials.

Electrostatic itself is unstable, and it is easy to dissipate and discharge due to high temperature and humidity. Few hours after the mask used, the filtration efficiency begins to decay.

## ARPMC way Mask

### Ultrahigh Efficiency

The first Face Masks proven to **kill COVID-19 (99.81%)** Combined with Viral Filtration Efficiency **VFE (>99.9a%)**

### High-Fold Improvement

Over **500 times more effective** than traditional masks, with **5 years shelf life** for filtration and killing

### Food Grade Safety

Unlike other killing masks using toxic metallic composites, our formula - **Food grade additives** approved by WHO

### Well Recognized

Endorsed by **Intertek Tick Mark** on ultrahigh safety, quality and performance

### True-Safe Protection

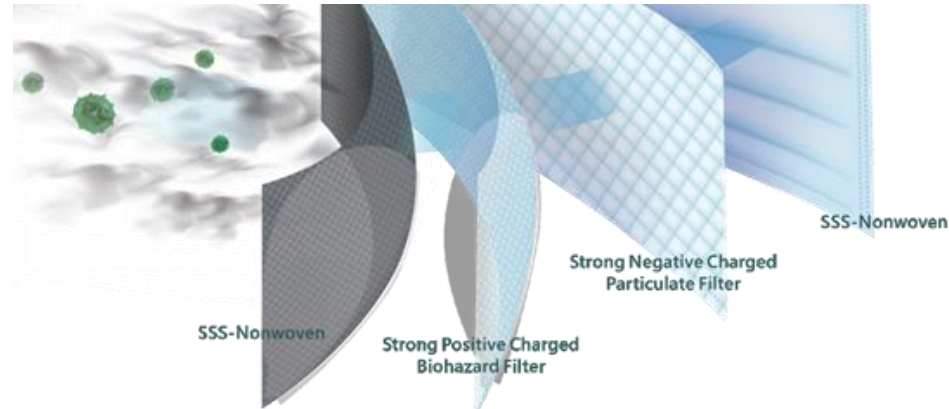
Enduring **extreme environment** (120°C for 48 hours), unlike meltblown masks losing efficiency during transportation

### Affordable Cost

**Affordable and competitive** cost with scalable production capacity (70M masks per day)



# Product Introduction



## KV99 Flat Mask (3M Nexcare Alternative)



|  |  |
|--|--|
| Article No                                 | : KV99-1   |
| Product Name                               | : Curie Disposable Surgical Face Mask  |
| Standard Applied                           | : EN14683 Type IIR / ASTM Level 3 / YY0469-2011  |
| Specification                              | : Flat, Ear-Loop Mask, 17.5cmX9.5cm  |
| Material                                   | : 34% Positive Charged Biohazard Filter<br>22% Meltblown Non-Woven /<br>44% Non-Woven Fabric |
| <b>Main Performance:</b>                   |  |
| 1) Particulate Filtration Efficiency (PFE) | : > 99%  |
| 2) Bacterial Filtration Efficiency (BFE)   | : > 99.99%   |
| 3) Viral Filtration Efficiency (VFE)       | : > 99.9a%   |
| 4) Bacterial Killing Rate                  | : > 99.99%   |
| 5) H3N2 Killing Rate                       | : > 99.99%   |
| 6) COVID-19 Killing Rate                   | : 99.81%   |
| 7) Differential Pressure                   | : < 5mmH2O   |
| 8) Splash Resistance Pressure              | : < 160mmHg  |
| 9) Microbial Cleanliness                   | : < 30cfu/g  |
| 10) Flame Spread                           | : < 5 Seconds  |
| 11) Shelf Life                             | : 5 Years  |
| Packing Details                            | : 1 Carton X 40 Boxes X 50 Pieces  |
| Carton Size                                | : 570mm X 390mm X 420mm  |
| Gross Weight                               | : 9.2kg  |

## KV99 3D Mask (3M 1870 Alternative)

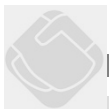


|  |  |
|--|--|
| Article No                                 | : KV99-2   |
| Product Name                               | : Curie Disposable Foldable Respirator   |
| Standard Applied                           | : EN149 FFP2 / EN14683 Type IIR / ASTM Level 3   |
| Specification                              | : Foldable, 10.7cm X 16cm  |
| Material                                   | : 34% Positive Charged Biohazard Filter<br>22% Meltblown Non-Woven /<br>44% Non-Woven Fabric |
| <b>Main Performance:</b>                   |  |
| 1) Particulate Filtration Efficiency (PFE) | : > 99%  |
| 2) Bacterial Filtration Efficiency (BFE)   | : > 99.99%   |
| 3) Viral Filtration Efficiency (VFE)       | : > 99.9a%   |
| 4) Bacterial Killing Rate                  | : > 99.99%   |
| 5) H3N2 Killing Rate                       | : > 99.99%   |
| 6) COVID-19 Killing Rate                   | : 99.81%   |
| 7) Differential Pressure                   | : < 5mmH2O   |
| 8) Splash Resistance Pressure              | : < 160mmHg  |
| 9) Microbial Cleanliness                   | : < 30cfu/g  |
| 10) Flame Spread                           | : < 5 Seconds  |
| 11) Shelf Life                             | : 5 Years  |
| Packing Details                            | : 1 Carton X 20 Boxes X 30 Pieces  |
| Carton Size                                | : 645mm X 310mm X 300mm  |
| Gross Weight                               | : 4.9kg  |

## KV99 NIOSH Mask (3M 1860 Alternative)



|  |  |
|--|--|
| Article No                                 | : KV99-3   |
| Product Name                               | : Curie Disposable Cup Shaped Respirator   |
| Standard Applied                           | : NIOSH N95 / EN149 FFP2   |
| Specification                              | : Cup Shaped, 10.7cm X 16cm  |
| Material                                   | : 34% Positive Charged Biohazard Filter<br>22% Meltblown Non-Woven /<br>44% Non-Woven Fabric |
| <b>Main Performance:</b>                   |  |
| 1) Particulate Filtration Efficiency (PFE) | : > 99%  |
| 2) Bacterial Filtration Efficiency (BFE)   | : > 99.99%   |
| 3) Viral Filtration Efficiency (VFE)       | : > 99.9a%   |
| 4) Bacterial Killing Rate                  | : > 99.99%   |
| 5) H3N2 Killing Rate                       | : > 99.99%   |
| 6) COVID-19 Killing Rate                   | : 99.81%   |
| 7) Differential Pressure                   | : < 5mmH2O   |
| 8) Splash Resistance Pressure              | : < 160mmHg  |
| 9) Microbial Cleanliness                   | : < 30cfu/g  |
| 10) Flame Spread                           | : < 5 Seconds  |
| 11) Shelf Life                             | : 5 Years  |
| Packing Details                            | : 1 Carton X 20 Boxes X 20 Pieces  |
| Carton Size                                | : 670mm X 435mm X 320mm  |
| Gross Weight                               | : 6.5kg  |



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# Application

- ◆ Reusable / Washable with COVID Killing Function
  - ◆ Kill 99.28% COVID-19 after 60 Mechanical Washes
  - ◆ Already deployed on Medical Uniform
  - ◆ More deployments in 2021
    - ◆ Corporate Uniform
    - ◆ School Uniform
    - ◆ Hotel Bedding
    - ◆ Reusable Mask
    - ◆ Washable PPE Coverall



C-Force #NM-6114  
\$40.00



C-Force #NW-3202  
\$43.00



C-Force #NW-6202  
\$45.00



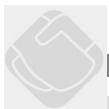
C-Force #PW-1005  
\$35.00



C-Force #DM-1001  
\$60.00



C-Force #AP-7008  
\$60.00



# Competition Map

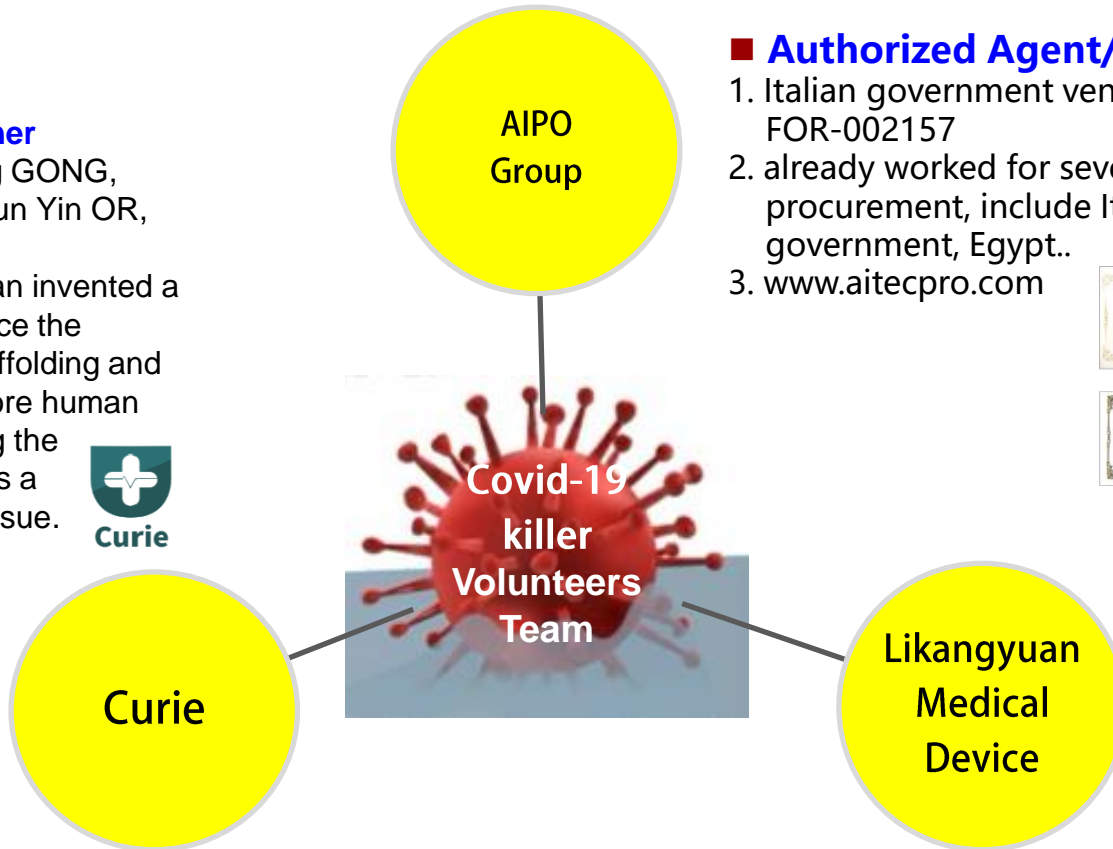




# Team Introduction

## ■ Technology Owner

1. Inventor: Jianliang GONG, Yau Ma Tei and Chun Yin OR, Cheung Sha Wan
2. Aldrin and Rayman invented a composite to enhance the affinity between scaffolding and human cells, therefore human cells can grow along the designated shape as a functional human tissue.



## ■ Authorized Agent/Distributor

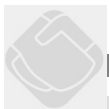
1. Italian government vendor code: FOR-002157
2. already worked for several government PPE procurement, include Italian, California government, Egypt..
3. [www.aitecpro.com](http://www.aitecpro.com)



## ■ Authorized Factory



® The State Drug Administration and the China Medical Insurance Chamber of Commerce medical materials production enterprises double-white list enterprises



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# Factory Overview







# Factory Overview (in house LAB)

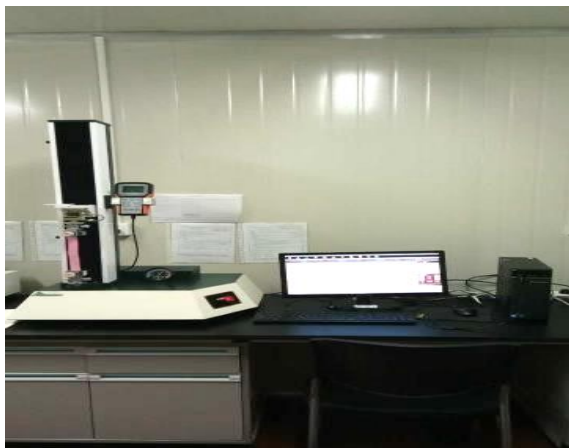


Microbiology Laboratory



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# Factory Overview (in house LAB)



Mask pull test equipment



Ethylene oxide residue testing equipment



Mask filtration efficiency test equipment

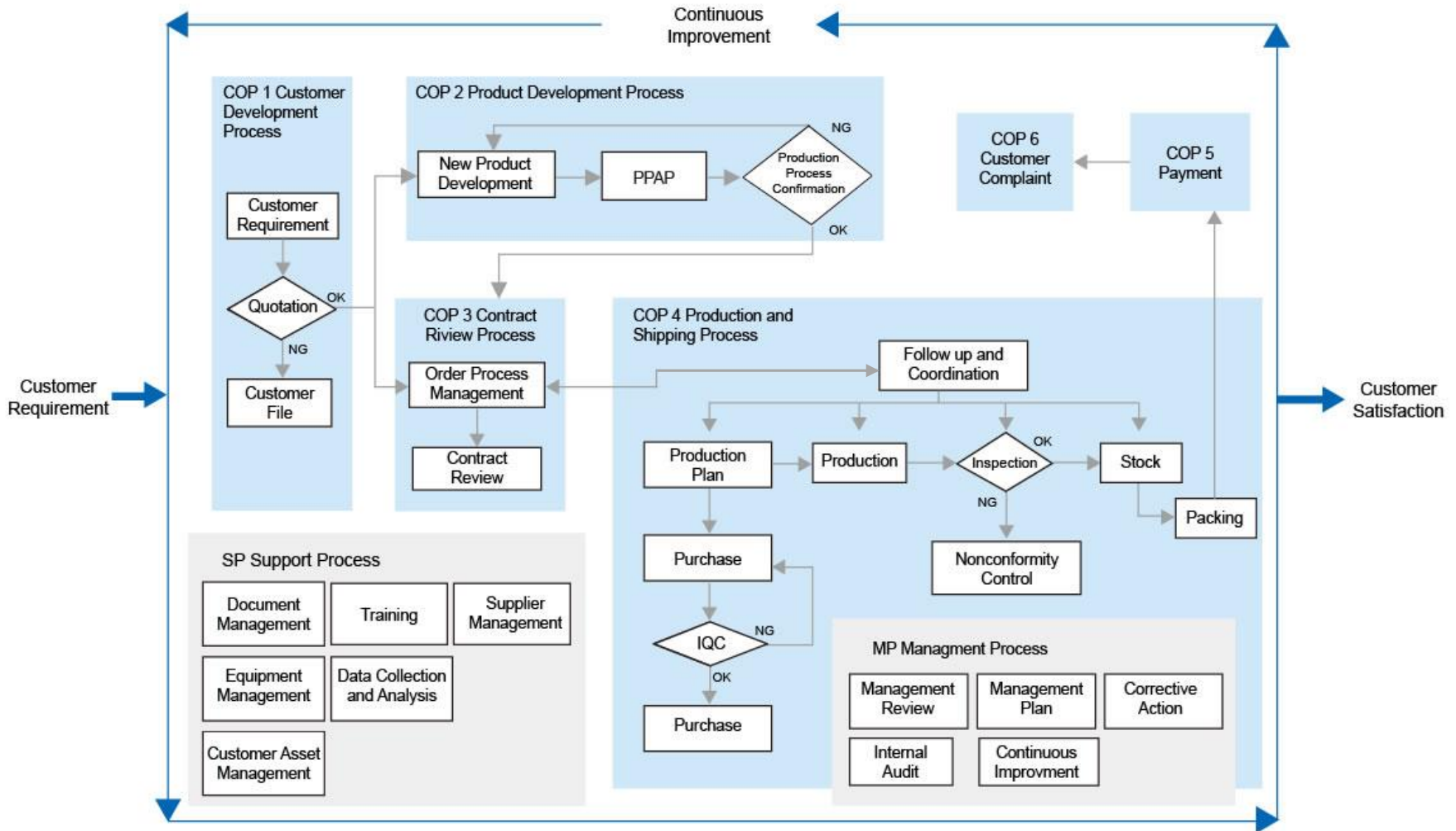


Mask breathing resistance test device





# Quality management system





***Bring human health and happiness  
back to their own Oasis.***



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