



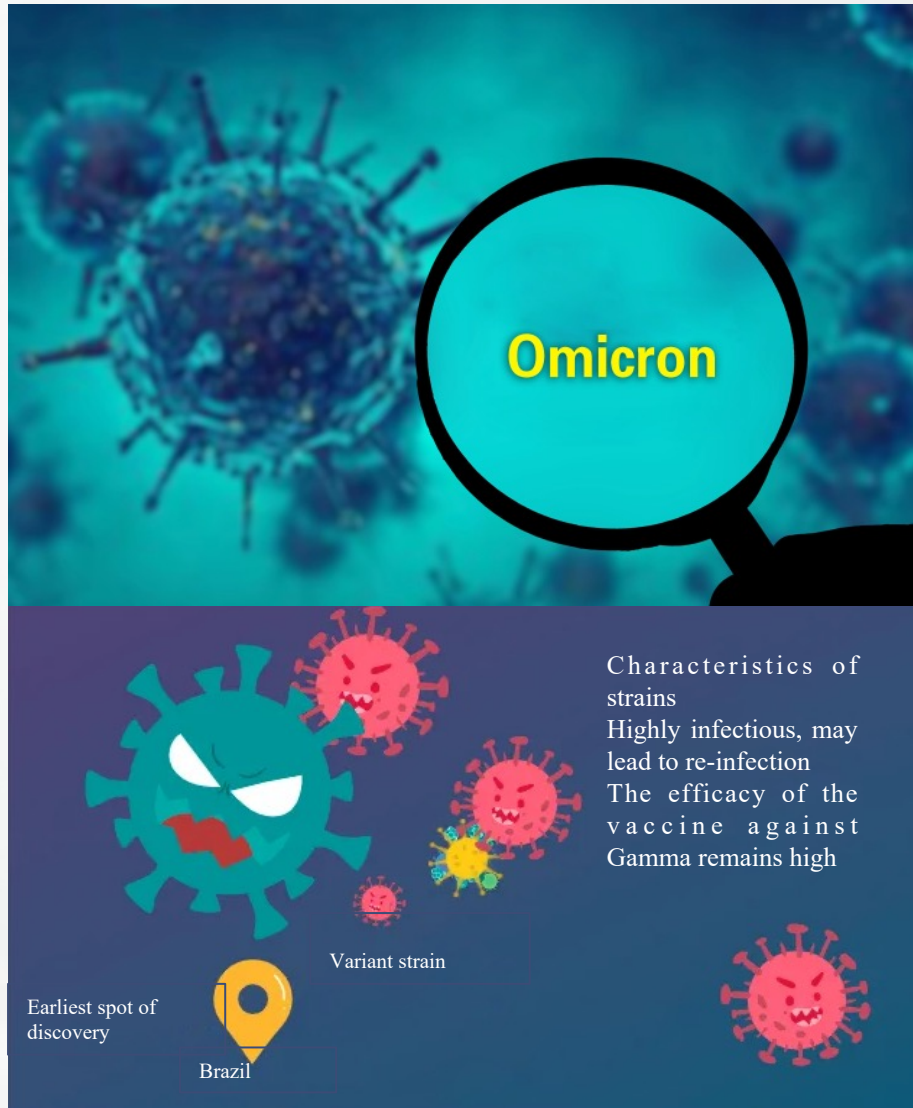
An air sterilizer that can kill Coronavirus
House-wide purification One-button sterilization

MYCHEM Air sterilizer

- Active release of ecological superior + passive interception of UV
Double-effect sterilization
- Kill 99.9% of Covid-19
- No need to wear masks

All kinds of variant viruses in the living environment are hard to prevent!

Coronavirus epidemic has been repeated and prevention and control has entered normalization



Over two years since the outbreak of COVID-19, there have been five individual variants of Alpha, Beta, Delta, and Omicron, and now the prevalent variant is BA.2 of Omicron one, which is clearly characterized by increasing transmission.

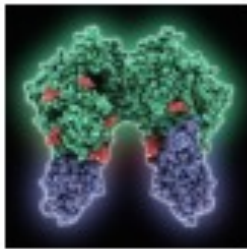
If the patient has underlying disease, the immune capacity of the patient is below average, and is directly exposed to the death threat caused by the infection of the variant strain.

There are many viral and bacterial attacks that humans face: H1N1, avian influenza, SARS, Ebola...

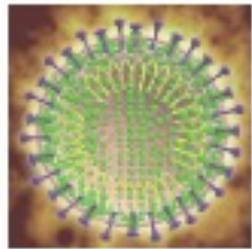
Disease caused by bacterial virus



2021 COVID-19



MERS virus

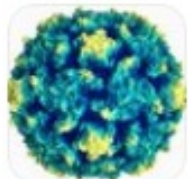


Coronavirus



Smallpox virus

A strong infectious disease



Hand-foot-mouth disease virus

Enterovirus-induced infectious disease



Ebola virus

Deadly hemorrhagic fever infectious disease



Biochemical virus

Novel RNA virus

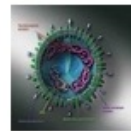
Bacteria is one of the major groups of organisms, belonging to the bacterial domain and the largest number of all organisms.

Bacteria are the pathogens of many diseases, including tuberculosis, gonorrhoea, anthracosis, syphilis, plague, sand hole and other diseases are caused by bacteria.

Microorganisms



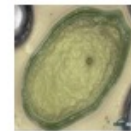
SARS
Pandora virus



Ophiocordyceps unilateralis



SARS



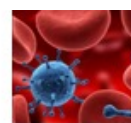
Biochemical virus



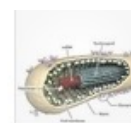
Germs



Smallpox virus



Super bacteria



Ebola virus

Related diseases



Plague



Leprosy



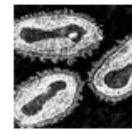
Rabies



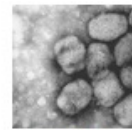
SARS



Ebola



Smallpox



Cholera



Kuru disease

In addition to the virus, there are various healthy killers in the air

- Bacteria
- Dust and industrial exhaust
- Room smell
- TVOC harmful gas
- Pollen and allergen
- Formaldehyde, PM2.5
- Pet hair
- Second hand smoke

In addition to the virus, PM2.5 pollution in the air, TVOC gas volatilization such as formaldehyde in home decoration, pet hair, pollen and other allergens, second hand smoke in the office, peculiar smell are always harmful to health!



Pay attention to the air environment and care for the respiratory health of the family

Impact of air pollution on the health of families, especially infants, children and adolescents in families



Obstructed respiratory tract, fetal malformation, childhood leukemia

Impair the ability of hemoglobin to deliver oxygen

Cause allergic asthma and skin disease

Interfere with the normal biochemical response of human body, destroy cells

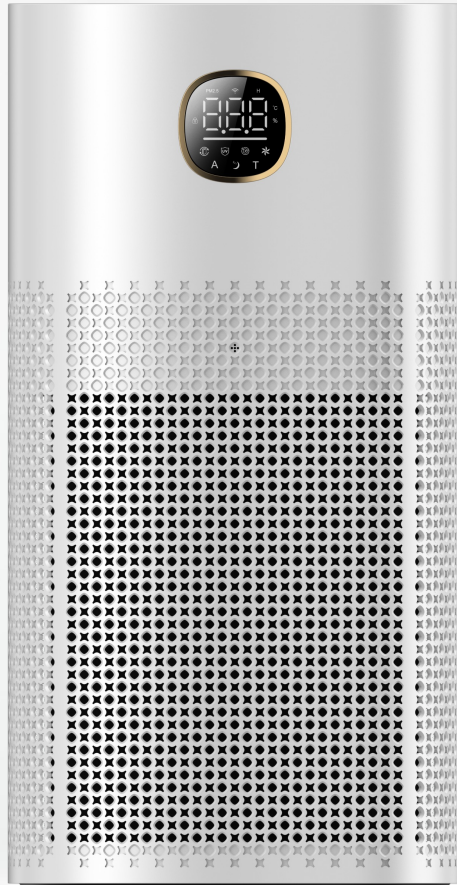
Cause acute coronary heart disease, memory loss

Cause headache, chest distress, eye itching, nasal congestion, tinnitus

Harmful to respiratory system, circulatory system, digestive system, nervous system

Sneezing, clear watery snot, itching of eyes, ears and palate

Normalization of epidemic, care for family health —— An air sterilizer that can kill virus



● MYCHEM Air sterilizer

A sterilizer that can kill Coronavirus

- Kill 99.9% of COVID-19
- Active and passive double-effect sterilization
- Efficient removal of formaldehyde and PM2.5
- Remove smell and second hand smoke
- CARD PM2.5 ≥ 520 m³/h (H13)
- Formaldehyde > 200 m³/h
- Applicable area: -65m²

Create healthy air throughout the house

– Designed for comprehensive purification of the whole house

MYCHEM Air sterilizer

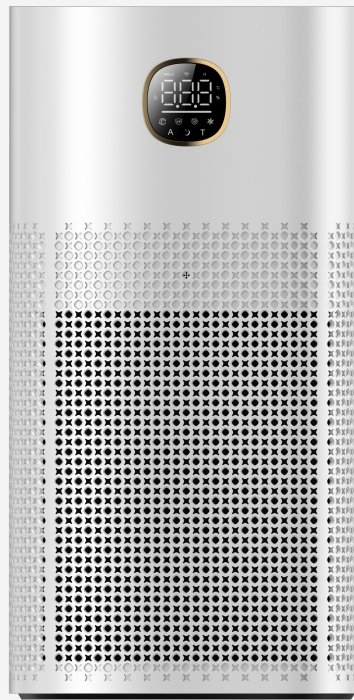
- All-round 360° large-area air inlet
- HEPA + formaldehyde removal framework + modified activated carbon Three-in-one annular filter screen
- UVC LED UV sterilization lamp, zero ozone generation (optional)
- Intelligent air quality PM2.5 AQI display and ambient light indication
- DC motor, low power consumption + high efficiency conversion + high life
- Low noise purification, sleep peacefully
- Service life reminder of filter element
- Minimalist design, fashionable appearance
- High-end quality environmental protection material, safe and health



Product view



Stereogram

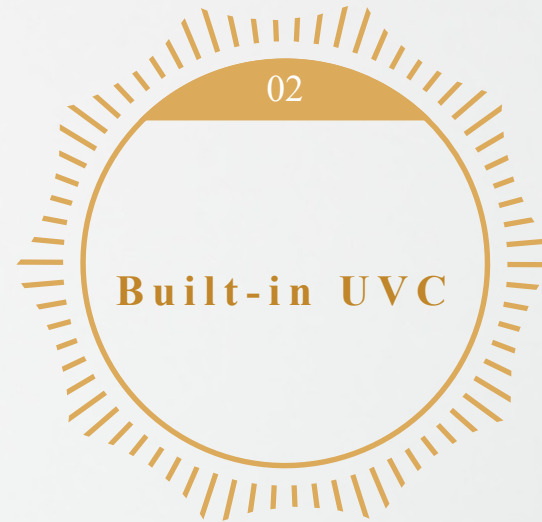


Front View



Top View

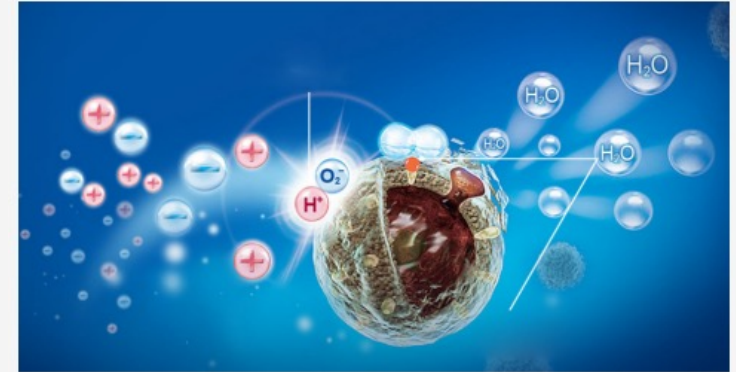
Active and passive double-effect disinfection mode



one-button active sterilization

UVC sterilization module for more thorough sterilization

Disinfect the whole house without dead corner (dead corner, furniture objects), intercept and eliminate all kinds of bacteria, virus allergens and other harmful substances in the air.



Active sterilization: Release ecological superior

Passive interception: More thorough sterilization of UVC

Double-sided UV lamps, more thorough sterilization

Release ultraviolet ray with wavelength of 254nm.
The sterilization rate of various tested strains is 99.99%.



Innovative ecological superior core technology



- Ecological superior technology originates from simulating the lightning and waterfall effects of nature. Using moisture in the air, small droplets of water are formed in the generating part by simulating condensation and dew formation. High voltage is applied to it to make it ionize and reduce to water mist composed of nano-scale charged water particles.
- The technology eliminates the need to add water, replace consumables, be green and make hundreds of billions of ecological superions per second.



Five characteristics of ecological superions

The weak acidity of ecological superior is similar to that of human skin. It is mild and non-irritating to hair and skin, which can moisturize and caring.

Weak acidity

Ecological superions are cooled by semiconductor chips, extracted water from the air, ionized and reduced, split into nano-scale charged water particles, and the water content is 1000 times that of the general anion.

High moisture content

The diameter of ecological superior is 5-20nm. The small structure design can easily penetrate into the interior of various objects and produce the effect of sterilization and purification.

Small particle size

The core component factor of ecological superior is encapsulated by water molecules, which is not easy to dissipate in combination with nitrogen and oxygen in the air. The effective use time lasts for a long time. The active release function makes it spread all corners of the space, ensuring a reliable and effective use effect for the family.

Reliability

Ecological superior generator produces hundreds of billions of OH factors per second. Because of its high activity, OH factor can decompose or lose activity with H in bacteria, viruses, peculiar smells, allergens and other organic substances, so as to achieve the purification effect of deodorization and sterilization.

OH factor

Ecological superior——Six efficiencies

01

Inhibits virus breeding and can eliminate various bacteria and viruses

02

Active release and purify the environmental space, turn passive into active. Inhibits various major allergens in the air.

03

Deep purification and cleaning to remove odor.

04

Rich in moisture and reactive oxygen, moisturize hair and skin and increase skin moisture content.

05

Inhibits various molds attached to the surface of objects or clothing.

06

Pure ecological reduction, decomposes various common harmful substances in PM2.5, bringing clean air deep in the forest back to warm homes.

Four-side air inlet Continuous purification

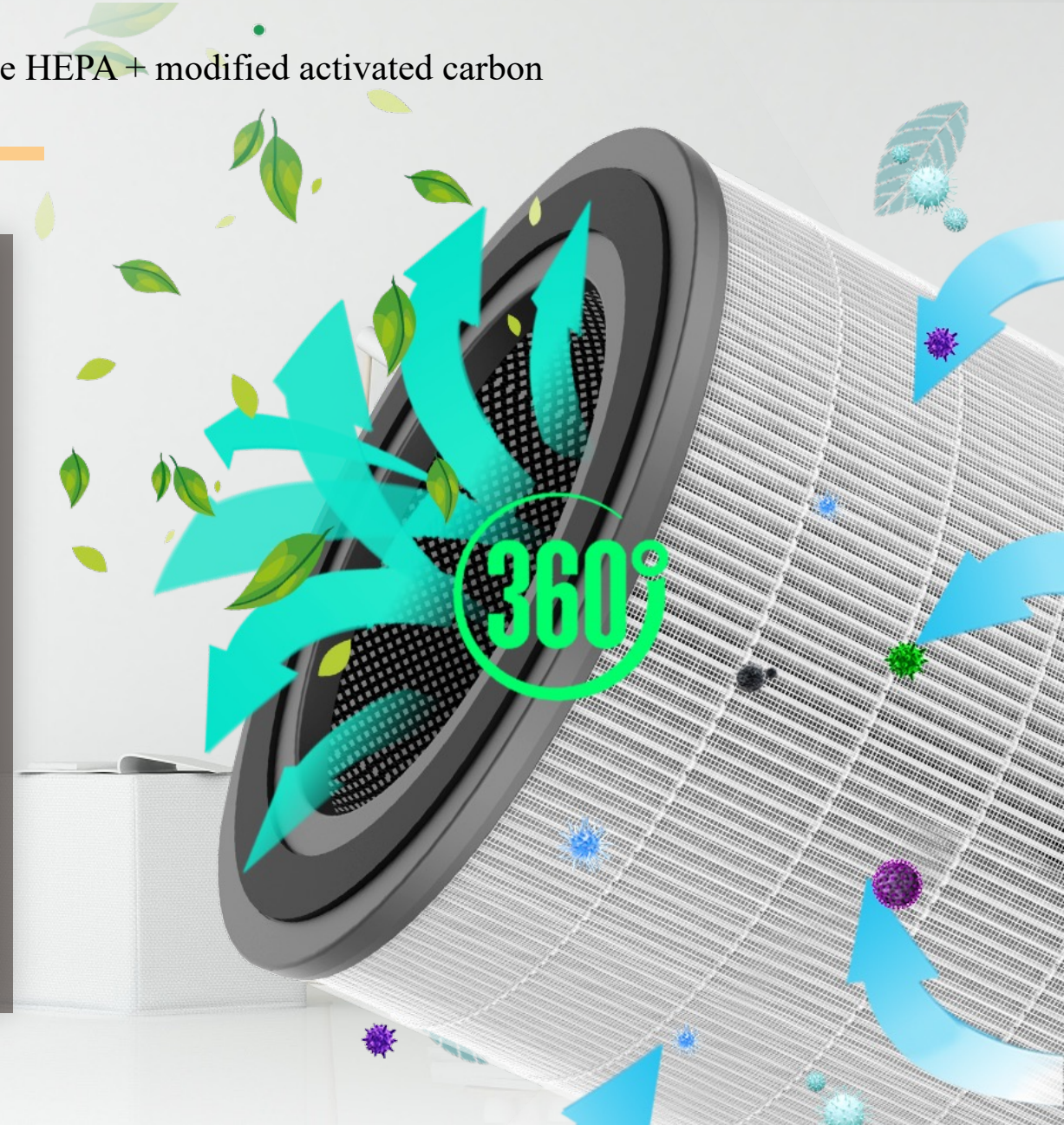
- Four-side air inlet, outlet from the top. Use air circulation to purify the indoor air and output fresh air.



360° annular three-in-one composite filter screen Cleaner purification

Ag+Cu ion antiviral PET framework + H13 Grade HEPA + modified activated carbon

- 360° annular design, four-side air inlet, circulation filter, enjoy fresh air, protect health!
- Special antiviral framework, remove formaldehyde efficiently
- H13 Grade HEPA filter material with effective filtration of fine particles greater than 0.3 microns in diameter
- High-quality modified activated carbon, effectively filter out five harmful gases

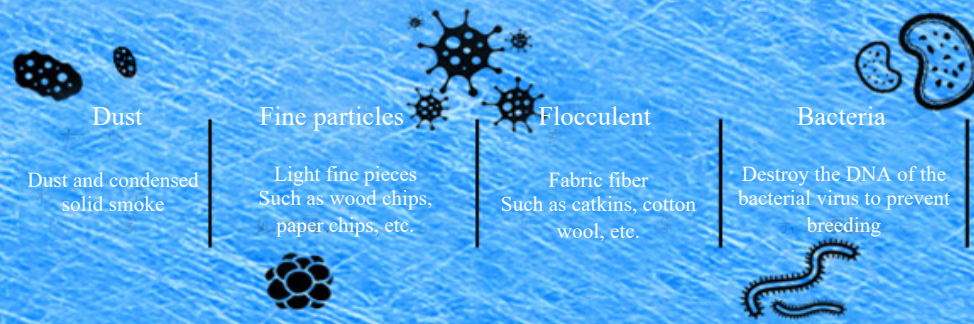
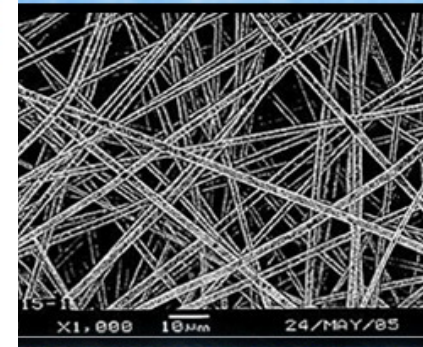


Ag+Cu ion antibacterial framework



Kill 99.9% of Coronavirus(COVID-19)

The newly developed Ag+Cu antibacterial and antiviral technology, **adding anti-coronavirus factor**, taking PET framework as carrier to carry antibacterial components, and then cooperated with medical H13 Grade HEPA filter screen to play a good role in bacterial isolation, sterilization and antiviral. It has been proved by third party detection that it has obvious removal effect on Coronavirus (COVID-19), SARS, avian influenza, H1N1 (respiratory influenza virus) and other viruses.



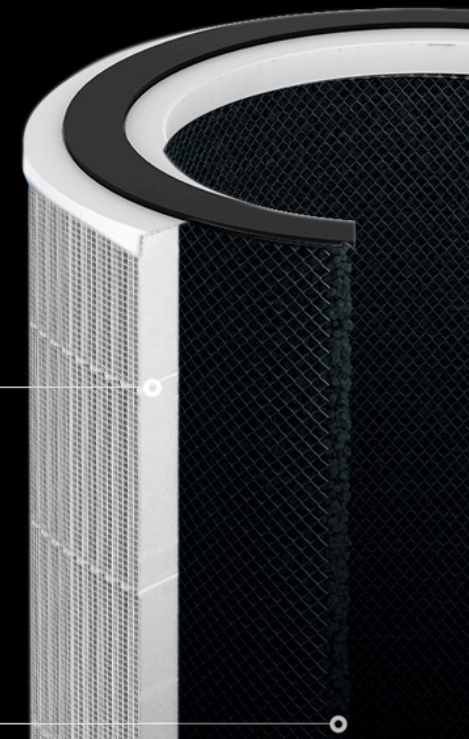
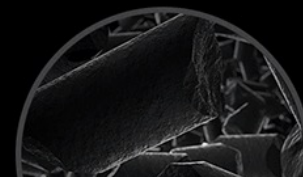
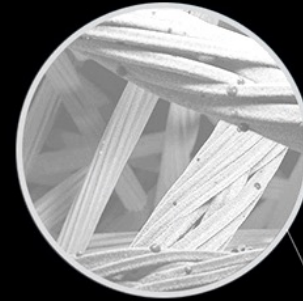
H13 HEPA filter screen

HEPA filter screen is a new air purifying material, which is made of high temperature meltblown fiber drawing of environmental protection PP material.

- High efficiency dust removal can be achieved without any energy source under normal temperature. It is the most effective filter medium for pollutants such as smoke, dust and bacteria.
- The HEPA filter screen removes fine particles larger than 0.3 microns in diameter (smoke particles generated by smoking are 0.5 microns in diameter). It is an internationally recognized filter material.

Single filtration effect
(efficiency):

H13 reached 99.97%.



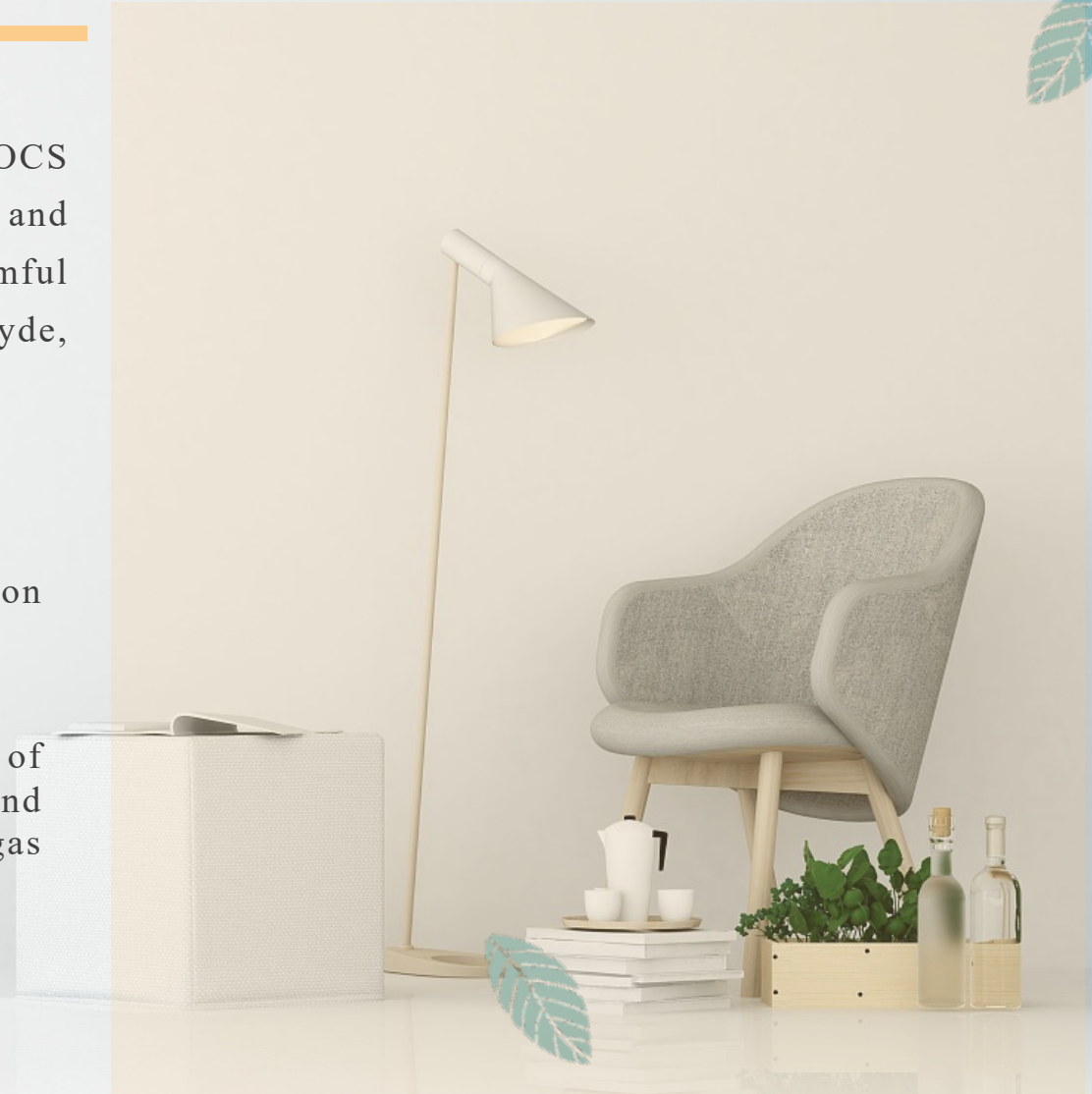
Modified activated carbon

Internal high-quality modified activated carbon, long-term purification!



Modified activated carbon can filter formaldehyde/VOCS and other gaseous pollutants to keep the air fresh, and continuously catalyze the decomposition of five harmful gases such as formaldehyde, ammonia, acetaldehyde, acetic acid and toluene.

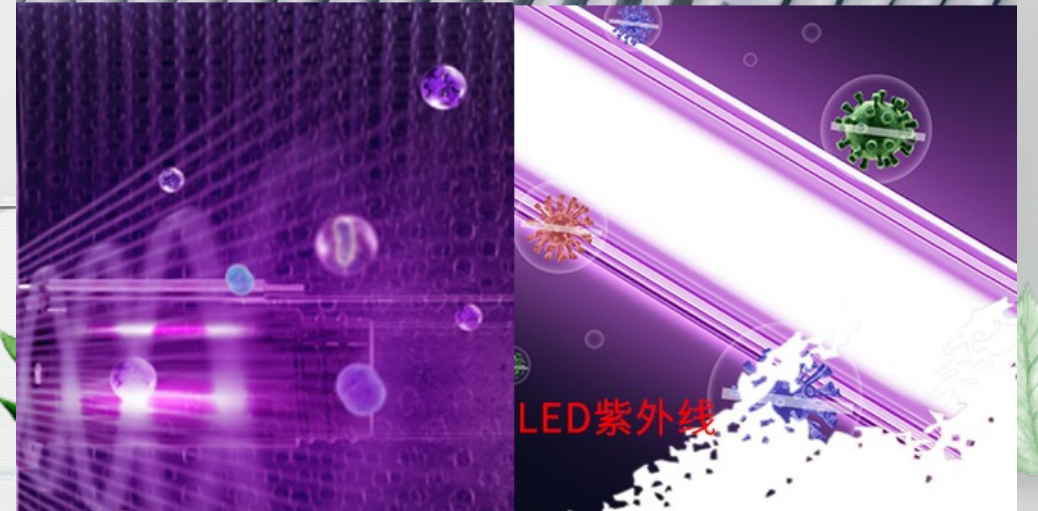
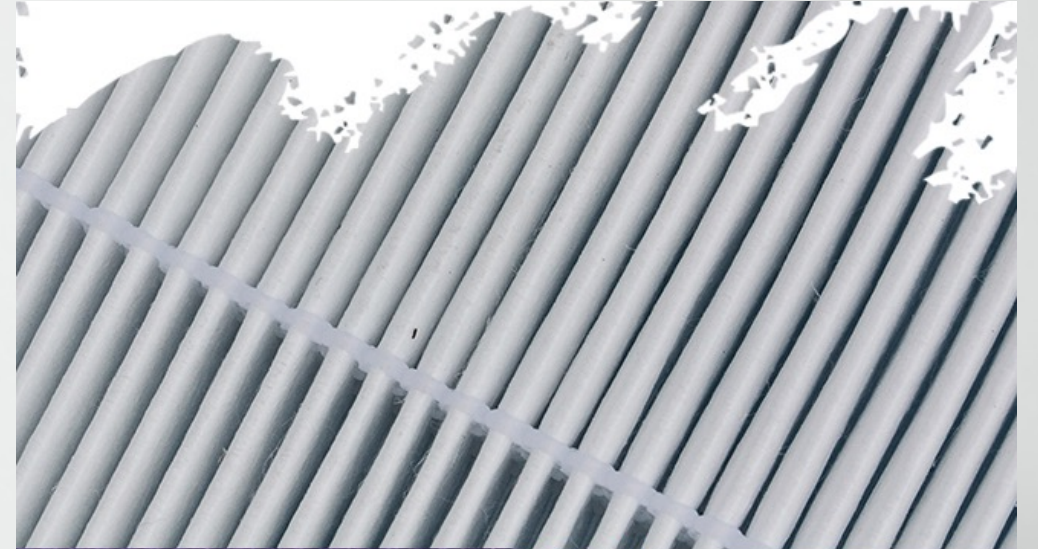
- We have improved the activated carbon formulation for volatile gases common in the room.
- Change the physical and chemical properties of activated carbon, increase the specific surface area and greatly improve the effect of adsorbing five major gas pollutants such as formaldehyde.



UVC-LED UV sterilization Zero ozone generation (optional)

UVC Ultraviolet Technology:

- After purifying the outside air, 265±5nm UVC LED ultraviolet sterilization technology is used to destroy the DNA and RNA molecular structure in the bacteria remaining in the air to achieve the effect of sterilization and disinfection.
- Machine operation, air circulation, UV lamp irradiate filter screen to achieve sterilization effect, zero ozone generation, no impact on human body!
- Sterilization rate reaches 99.8%, safe and environmental protection



Intelligent Monitoring Accurate Display

Purify first
before entering
the house



High-sensitivity infrared sensor can quickly sense harmful substances in the air and carry out multi-dimensional monitoring of different concentrations of environment

1. High precision sensor capable of rapidly sensing harmful gas in air.
2. PM2.5 monitor display
3. Mobile APP control
4. Calculate filter life according to real-time air pollution concentration, gear air volume and running time, and scientific remind management



Air Quality Atmosphere Indicator

Intuitive display of air quality

When operating the corresponding functions, press the button, the corresponding indicator light above will be on, and the corresponding icon on the display screen will be on. The front air quality atmosphere indicator design gives you a clear insight into the air quality at the far end.

The overall panel design is concise and smooth.

- PM2.5/Digital display of temperature and humidity
- Air quality atmosphere indicator
- Filter life reminder
- Mode icon indication



Air quality atmosphere indicator



Good air quality Moderate air quality Poor air quality



DC motor High energy efficiency Low carbon and Environmental protection

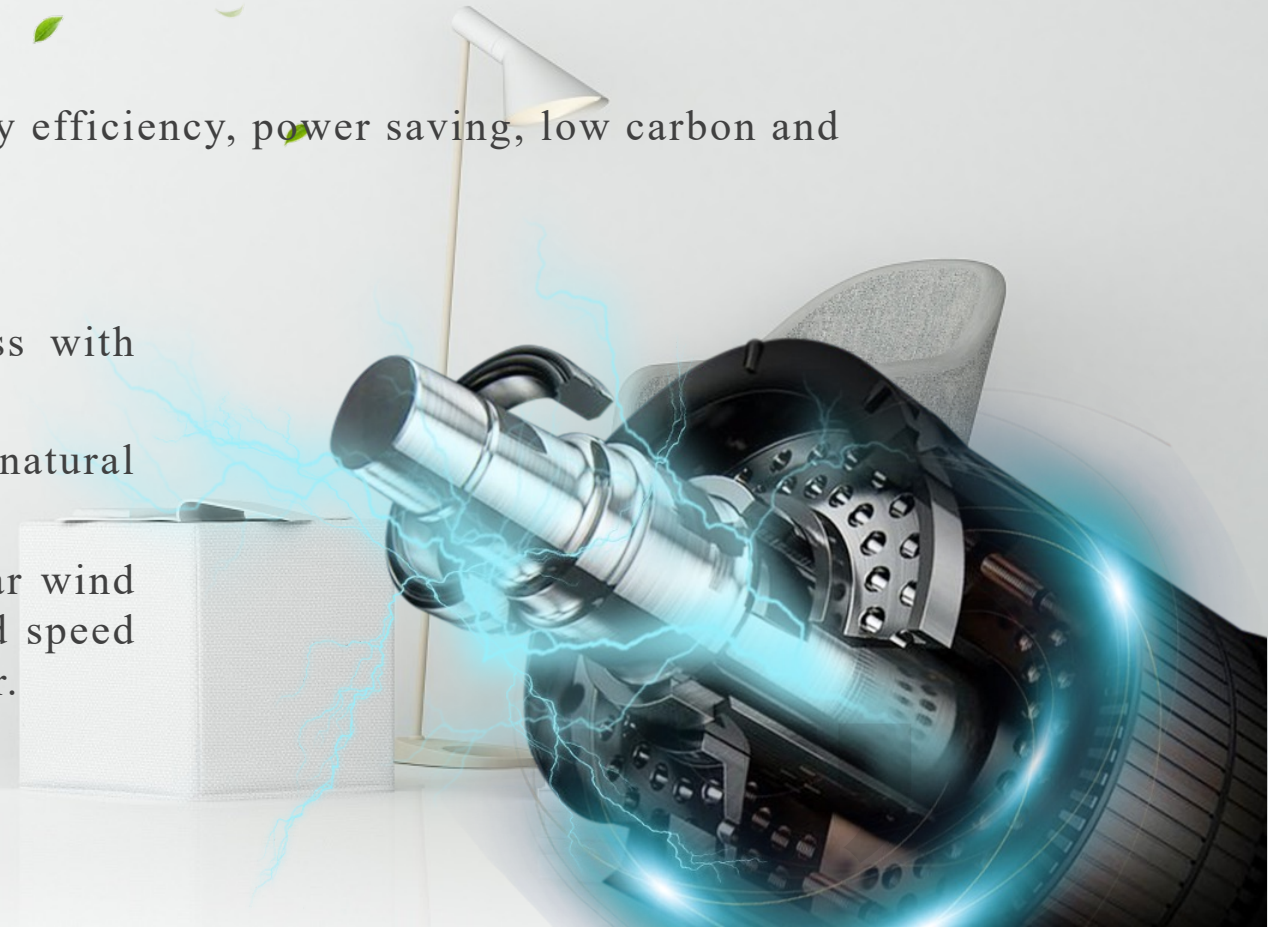


Brushless DC motor has low noise, low vibration and high insulation performance;

Run quieter, more stable and safer.

Efficient operation, strong output, level 1 energy efficiency, power saving, low carbon and environmental protection

- Four gears of wind speed, combines hardness with softness
- Four wind speeds are adjustable and fresh as natural winds.
- The third gear wind is violent, the second gear wind is mild and the first gear is soft, and the wind speed is adjusted automatically by the automatic gear.
- Clear wind blowing, as you need



Light sound purification Intimate without disturbing sleep

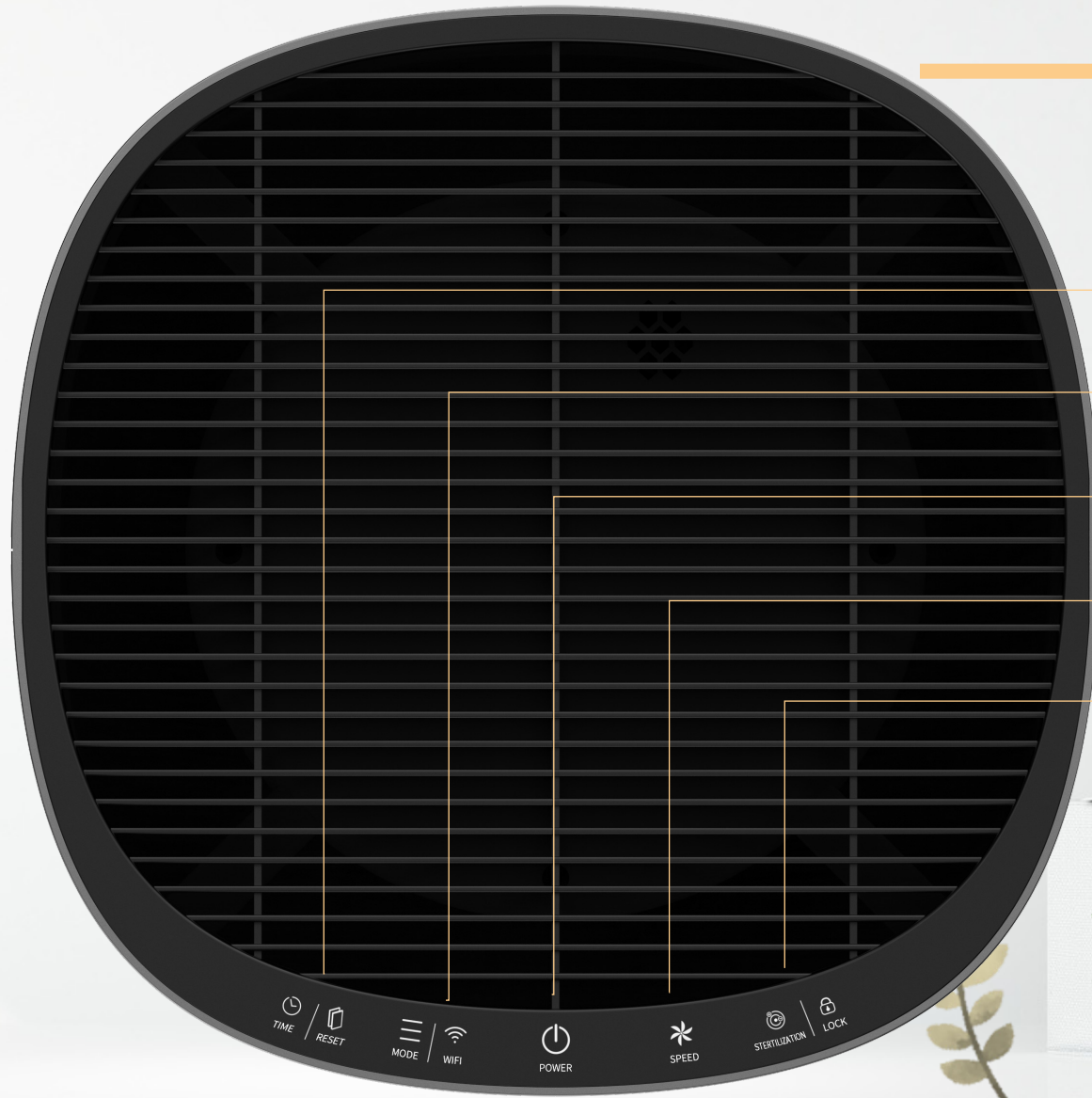


Like baby's breathing in sleep mode

Noise down to 29.5dB (A)

*Test data sourced from our laboratory

Multifunction Touch Panel



- Product button description

Timing/Reset

·Mode/WiFi

·Power switch

·Wind speed button

·Sterilization/Child lock



Product Display Panel

PM2.5/Digital display of
temperature and humidity

Child lock

Air quality atmosphere
indicator

Filter life reminder

Auto mode



UV sterilization

One button sterilization

Sleep mode

Timing mode

Small figure Multiple scenes (applicable area -65m²)

Fashionable and high-energy, specially designed for house-wide purification,
fast and thorough, help you create the ideal air.



Corporate personal office 2m²



Study room 8m²



Children's room 12m²



Elders' room 15m²



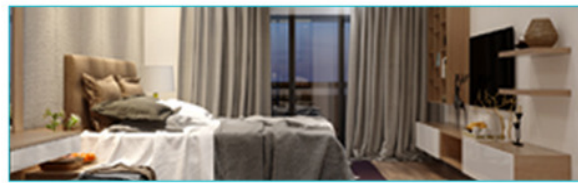
Ordinary bedroom 30m²



Pet room 5m²



Single small bedroom 20m²



Home bedroom 40m²



Quiet study 25m²

Stylish minimalist appearance All-matching fashion home

360° wide air inlet, highlighting the specialty and power of the purifier
Round body, minimalist appearance design, full of fashion, look good everywhere





Product Features

Fashionable and high-energy

Active capture, rapid purification of particulate matter CADR520m³/h (H13)
Purify room of 20m² once in 5 minutes
Applicable area up to 65m²

Sterilization and purification

Active and passive double-effect sterilization and virus removal
Annular three-in-one composite filter screen
H13 Grade HEPA filtration (optional)
Efficient adsorption of activated carbon
UV sterilization (optional)

Low noise

360° three-dimensional air inlet design
Brushless DC motor
New technology of air outlet to reduce wind resistance
Optimization of air duct technology

Intelligent monitoring

PM2.5 monitoring
Large screen display for more clarity
Mobile APP control (custom)
Filter life monitoring reminder

Intimate design

Multiform manipulation
Simple shape and strong sense of fusion
Timed purification

Safe and secure

Child lock to prevent accidental touch
Non-toxic and harmless

Product Parameters

Product name	Air sterilizer	Code No.	KJ520G-A6
PM2.5 CADR	520m ³ /h	Dimensions	300*300*587mm
Formaldehyde	200m ³ /h	Applicable area	65m ²
HEPA Grade	H13 (nominal)	Weight	5KG
Shape of filter screen	Annular filter screen	Voltage	110-240V
Rated power	50W	Noise (upper gear)	63dB(A)
UV (optional)	UVC LED	Purification mode	Primary effect + HEPA + activated carbon three-in-one composite filter screen + UV + hydroxyl ion
One button sterilization	Ecological superior		

Patent Technology

证书号第 8997100 号



实用新型专利证书

实用新型名称：一种净化器的传感器进风结构

发明人：彭伟;黄政;王金峰;彭烁

专利号：ZL 2018 2 1691920.2

专利申请日：2018年10月18日

专利权人：澳兰斯健康产业有限公司

地址：510000 广东省广州市南沙区榄核镇蔡新路 351 号 J203 房

授权公告日：2019年06月21日 授权公告号：CN 209013416 U

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专利证书记载专利登记时的法律状况，专利权的转移、质押、无效、终止、恢复和专利权人的姓名或名称、国籍、地址变更等事项记载在专利登记簿上。

局长 申长雨



2019年06月21日

第 1 页 (共 2 页)

其他事项参见背面

证书号第 14100712 号



实用新型专利证书

实用新型名称：一种带氛围灯的净化器

发明人：彭伟;王金峰

专利号：ZL 2020 2 2811945.5

专利申请日：2020年11月27日

专利权人：澳兰斯健康产业有限公司

地址：510000 广东省广州市南沙区榄核镇海文街1号2#二楼

授权公告日：2021年09月03日 授权公告号：CN 214105372 U

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局长 申长雨



2021年09月03日

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其他事项参见背面

证书号第 8997100 号



实用新型专利证书

实用新型名称：一种净化器的传感器进风结构

发明人：彭伟;黄政;王金峰;彭烁

专利号：ZL 2018 2 1691920.2

专利申请日：2018年10月18日

专利权人：澳兰斯健康产业有限公司

地址：510000 广东省广州市南沙区榄核镇蔡新路 351 号 J203 房

授权公告日：2019年06月21日 授权公告号：CN 209013416 U

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局长 申长雨



2019年06月21日

第 1 页 (共 2 页)

其他事项参见背面

证书号第 9799130 号



实用新型专利证书

实用新型名称：一种净化器的电源固定结构

发明人：彭伟;黄政;王金峰;彭烁

专利号：ZL 2018 2 1698234.8

专利申请日：2018年10月18日

专利权人：澳兰斯健康产业有限公司

地址：510000 广东省广州市南沙区榄核镇蔡新路 351 号 J203 房

授权公告日：2019年12月20日 授权公告号：CN 209824182 U

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局长 申长雨



2019年12月20日

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其他事项参见背面



Authoritative testing, Strong sterilization rate

Test No. KY20220058

GUANG ZHOU INSTITUTE OF MICROBIOLOGY CO., LTD.
NATIONAL CENTER OF QUALITY INSPECTION AND TESTING
ON AIR PURIFICATION PRODUCTS

TEST REPORT

Date Received: Mar. 08, 2022
Date Analyzed: Mar. 29, 2022

Virus Removal Test:
1. Operation Conditions of the Machine
1000mL of sterile water and 2g edible salt was added to the water tank and fully mix with the virus solution, turn on the "Disinfection spray gear" work for 1h, and then take samples at the water tank.

2. Test Results

Test Time (h)	The Test Virus and Host	Test Group	Virus Titer (TCID ₅₀ /mL)				Virus Removal Rate (%)
			First Test	Second Test	Third Test	Mean	
1	Influenza A virus (A/PR8/34 H1N1) Host: MDCK	Control Group	9.35×10 ⁴	9.35×10 ⁴	6.32×10 ⁴	8.34×10 ⁴	>99.99
		Test Group	<6.32	<6.32	<6.32	<6.32	
	Coronavirus (HCoV-229E) Host: MRC-5	Control Group	4.28×10 ⁵	2.00×10 ⁵	2.00×10 ⁵	2.76×10 ⁵	>99.99
		Test Group	<6.32	<6.32	<6.32	<6.32	

Note: The control cells grew normally. ***End of report***

Editor: 叶同强 Checker: 郑茜 Issuer: 王怡 Date Reported: 2022.4.24

Page 3 of 4

GUANG ZHOU INSTITUTE OF MICROBIOLOGY CO., LTD.
NATIONAL CENTER OF QUALITY INSPECTION AND TESTING
ON AIR PURIFICATION PRODUCTS

TEST REPORT

Date Received: Mar. 08, 2022
Date Analyzed: Mar. 29, 2022

Virus Removal Test:
1. Operation Conditions of the Machine
1000mL of sterile water and 2g edible salt was added to the water tank and fully mix with the virus solution, turn on the "Disinfection spray gear" work for 1h, and then take samples at the water tank.

2. Test Results

Test Time (h)	The Test Virus and Host	Test Group	Virus Titer (TCID ₅₀ /mL)				Virus Removal Rate (%)
			First Test	Second Test	Third Test	Mean	
1	Influenza A virus (A/PR8/34 H1N1) Host: MDCK	Control Group	9.35×10 ⁴	9.35×10 ⁴	6.32×10 ⁴	8.34×10 ⁴	>99.99
		Test Group	<6.32	<6.32	<6.32	<6.32	
	Coronavirus (HCoV-229E) Host: MRC-5	Control Group	4.28×10 ⁵	2.00×10 ⁵	2.00×10 ⁵	2.76×10 ⁵	>99.99
		Test Group	<6.32	<6.32	<6.32	<6.32	

Note: The control cells grew normally. ***End of report***

Virus removal of H1N1
≥99.99%

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Hepa Covid-19 Test Report



Section 7. Results

Plates were read 4 days after the initiation of the assay. For all contact times, test fabric solution reduced viral infectivity by 3.5 log (99.97%) compared to controls. The test TCID₅₀/ml values are the same as the test fabric cytotoxicity levels. This indicates that the test wells displaying cytotoxicity may not have had virus in them, it is just not possible to determine in this assay. Thus, the actual log reductions for test fabric compared to control fabric may be greater than reported here. Table 1 summarizes these findings.

Table 1. TCID₅₀/ml Calculations of Control and Test Fabric Inoculated with SARS-CoV-2

Sample Name	Test Description	Contact Time (min)	Replicate	TCID ₅₀ /mL	Log ₁₀ TCID ₅₀ /mL	Average TCID ₅₀ /mL	Average Log ₁₀ TCID ₅₀ /mL	Log Reduction	Percent Log Reduction
TD-1	Test	0	1	3.16E+03	3.50	3.16E+03	3.50	3.5	99.97%
TD-2			2	3.16E+03	3.50				
TD-3			3	3.16E+03	3.50				
TS-1	Test	5	1	3.16E+03	3.50	3.16E+03	3.50	3.5	99.97%
TS-2			2	3.16E+03	3.50				
TS-3			3	3.16E+03	3.50				
T30-1	Test	30	1	3.16E+03	3.50	3.16E+03	3.50	3.5	99.97%
T30-2			2	3.16E+03	3.50				
T30-3			3	3.16E+03	3.50				
T120-1	Test	120	1	3.16E+03	3.50	3.16E+03	3.50	3.5	99.97%
T120-2			2	3.16E+03	3.50				
T120-3			3	3.16E+03	3.50				
CO-1	Control	0	1	1.47E+07	7.17	1.31E+07	7.02	N/A	N/A
CO-2			2	6.81E+06	6.83				
CO-3			3	3.16E+07	7.50				
C120-1	Control	120	1	1.47E+07	7.17	1.31E+07	7.02	N/A	N/A
C120-2			2	6.81E+06	6.83				
C120-3			3	4.22E+06	6.63				
Control cytotoxicity	cytotoxicity	N/A	1	3.16E+02	2.50				
Test cytotoxicity	cytotoxicity	N/A	1	3.16E+03	3.50				
20210212P5-B CON	backtitre		1	1.47E+07	7.17				


≥99.97%



Section 8. Conclusions

Based on these experiments, we conclude that the test fabric is effective at reducing SARS-CoV-2 infection of Vero E6 cells *in vitro*. After immediate exposure, viral infectivity was reduced 3.5 log (99.97%) compared to control samples.

Virus Test Report


 中国认可
国际互认
检测
TESTING
CNAS L0823 202019005395

Test No. JD20220028(A)

GUANG ZHOU INSTITUTE OF MICROBIOLOGY CO., LTD.
 NATIONAL CENTER OF QUALITY INSPECTION AND TESTING
 ON AIR PURIFICATION PRODUCTS

TEST REPORT

Date Received: Feb. 21, 2022
Date Analyzed: Feb. 23, 2022

Test method for Eliminating Bacterial of Humidifiers

- Test Strains: *Escherichia coli* AS 1.90, *Staphylococcus aureus* AS 1.89, *Pseudomonas aeruginosa* ATCC 15442, *Candida albicans* ATCC 10231
- Culture Media: NA, SDA
- Operation Conditions of the Machine
500mL of microorganism suspension and 2g edible salt was added to the water tank, turn on the "Disinfection spray gear" work for 1h, and then take samples at the water tank.
- Computational Formula

$$R = \frac{B - A}{B} \times 100\%$$


In the formula:
R—Eliminating Bacterial Rate;
A—The Sample Group, cfu/mL;
B—Positive Control Group, cfu/mL.

5. Test results:

Number of Sample	Test Time (h)	Test Strains	Test Number	Positive Control Group (cfu/mL)	The Sample Group (cfu/mL)	Eliminating Bacterial Rate (%)
JD20220028-1	1	<i>Escherichia coli</i>	1	2.53×10 ⁵	<1	>99.99
			2	2.81×10 ⁵	<1	>99.99
			3	2.70×10 ⁵	<1	>99.99
			Mean			>99.99
JD20220028-1	1	<i>Staphylococcus aureus</i>	1	2.73×10 ⁵	<1	>99.99
			2	2.88×10 ⁵	<1	>99.99
			3	2.64×10 ⁵	<1	>99.99
			Mean			>99.99

To be continued

Page 3 of 5


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CNAS L0823 202019005395

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TEST REPORT

Date Received: Feb. 21, 2022
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Number of Sample	Test Time (h)	Test Strains	Test Number	Positive Control Group (cfu/mL)	The Sample Group (cfu/mL)	Eliminating Bacterial Rate (%)
JD20220028-1	1	<i>Staphylococcus aureus</i>	1	1.94×10 ⁵	<1	>99.99
			2	1.67×10 ⁵	<1	>99.99
			3	1.73×10 ⁵	<1	>99.99
			Mean			>99.99
JD20220028-1	1	<i>Candida albicans</i>	1	1.50×10 ⁵	<1	>99.99
			2	1.20×10 ⁵	<1	>99.99
			3	1.32×10 ⁵	<1	>99.99
			Mean			>99.99

Note: No microorganisms grew in the negative control group.
End of report

≥99.99%

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Page 4 of 5

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