

Removing bacteria and deodorization by air

And to the age of health

Air acty



National Institute of Advanced Industrial Science and Technology (AIST)
Joint patent

Product Specifications

Product name : Air Acty(ModelAA-T201)

System : Corona discharge double hybrid {UV-CCFL}
method (patented technology)

Ozone generation : 0.03ppm Below(15 square meters)

Size : W260 × D210 × H100(mm)

Weight : 1700 g

Body material : Natural wood

Power supply : Japan AC100V (50/60Hz) Overseas AC200V (50/60Hz)

Power consumption : 6W

Target area : 40~50m² (Varies depending on indoor environment)

Country of manufacture : Japan

Precautions for use

- Before using, check the "Instruction Manual" attached to this product. And use it with correct usage.
- After purchase, check that the necessary items are correctly written on the warranty card attached to this product.
If you find any mistakes, please contact the place of purchase immediately.
If there is a mistake in the description, the warranty may not be obtained.
- Do not put your fingers or foreign objects into the net outlet of this product.
Injury or electric shock, cause a failure.
- So as not to touch the infant, please do not put in place out of reach of children.
Injury or electric shock, cause a failure.
- Do not touch this product or outlet with wet hands. Failure to do so may cause electric shock, short circuit, or failure.
- Do not place the product in a humid place, such as a bathroom, or in a place that gets wet.
Failure to do so may cause electric shock, short circuit, or failure.
- Avoid use in places with flammable gas. It may cause a fire or explosion.
- Microwave oven, please do not use put in a high-pressure vessel.
Failure to do so may cause overheating, fire, or other failures.
- Do not give a strong impact. It may cause a failure.
- The cartridge needs to be replaced once a year. If you continue to use without the exchange will not be obtained the effect.
- If you think there is a malfunction during use, please contact your supplier or distributor
- If you think there is a malfunction during use, stop using it immediately.
Then contact your supplier or distributor.

Air activation technology

"Air Acty" uses a unique patented technology.

This system is called 「System called the Corona discharge double hybrid UV-CCFL method」

This product, which generates a large amount of "nuclear molecular oxygen ions", improves the indoor air environment and delivers healing to the body.

Corona discharge can produce high concentrations of ozone and nitrogen oxides.

It can be used safely for babies, the elderly, and pets with low resistance.

Unprecedented "patent technology for virus removal"

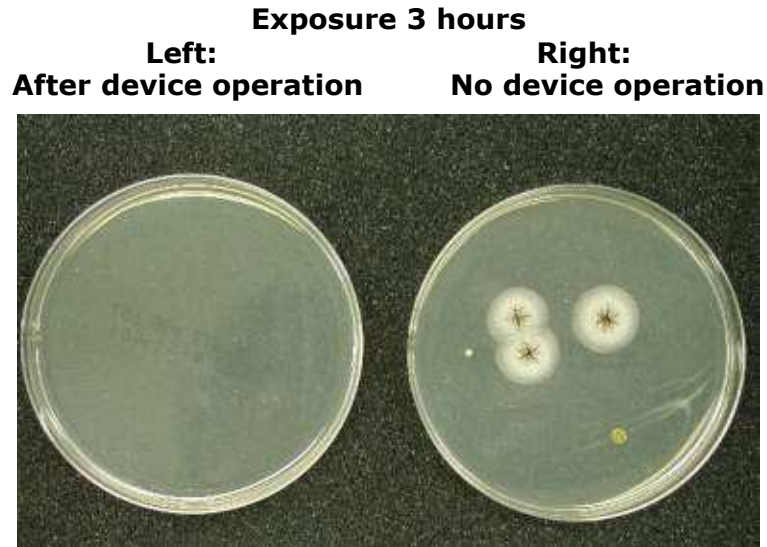
It excels in deodorizing and disinfecting effects, and eliminates the anxious life odor of tobacco, pets, garbage, and toilets.

Due to the results of this effect, it has been well received in public facilities that easily affect the body, such as hospitals and nursing care facilities.

In addition, it is effective against bacteria and viruses, and is also ideal for mold-producing closets and bathrooms, and for preventing influenza and norovirus.

Recently, an increasing number of people have allergic reactions to pollen and chemical substances. It removes pollen and chemicals floating in the air.

Bacterial and fungal growth tests



Fungi and bacteria were confirmed 90 minutes after placing the culture dish in the room used for the test.

After running our equipment for 3 hours, no bacteria or fungi were found.

Measurement room: 800 x 500 x 350 (cm)

Evaluation experiment: National Institute of Advanced Industrial Science and Technology

Effectiveness test for influenza virus

Table 2: Test results of each section (TCID₅₀ / mL)

Classification	Operatio of materials	Measurement time			
		0 min	15 min	30 min	60 min
Control plot	None operation	10 ²⁹	10 ^{2.5}	10 ^{2.3}	10 ^{2.3}
Test plot	In operation	10 ^{.31}	10 ^{2.3}	<10 ^{0.5}	<10 ^{0.5}

The virus titers in the collected solution at each time point in the test plot were 103.1 TCID₅₀ / mL and 102.3 TCID₅₀ / mL at 0 min (at the start) and 15 min, respectively.

It was below the limit of detection (<100.5 TCID₅₀ / mL) at 30 and 60 minutes.

Also, the log reduction value compared to the virus titer at 0 minutes (at the start) was 0.8 at 15 minutes and > 2.6 at 30 minutes and 60 minutes.

Air activity machine "Airacty" Model AA-T201, which is a material, has a virus inactivation effect of at least 99% against the swine influenza virus H1N1 IOWA strain after 30 minutes of operation. The possibility was suggested.

Uses and characteristics



Power consumption
6W
Energy saving design



1 month
Electric bill
40THB



Target area
40~50m²



Weight
1.7kg
Lightweight design



Compact design



Antistatic
Use of natural wood



Fanless
Quiet design



Original patent technology



Easy operation



Deodorizing effect



Bacterium
Virus
Eradication effect



Allergen
Removal



Air pollution removal



Plus ion zero

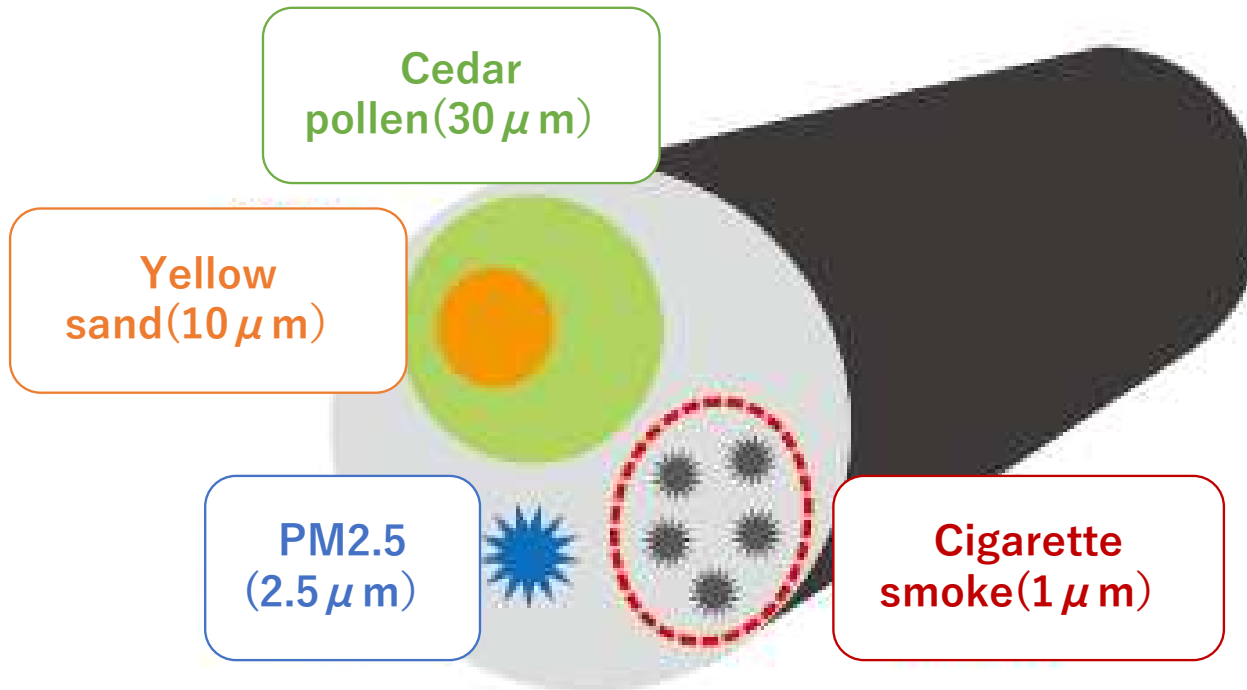


Blood reaction test
Proven



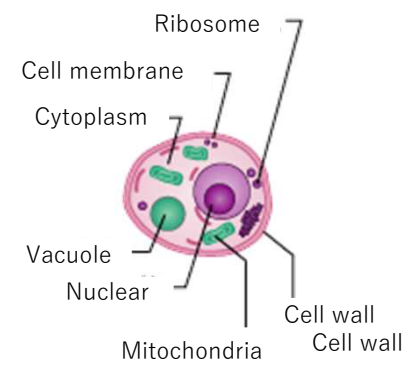
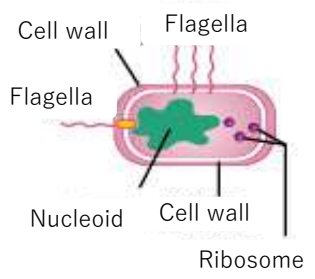
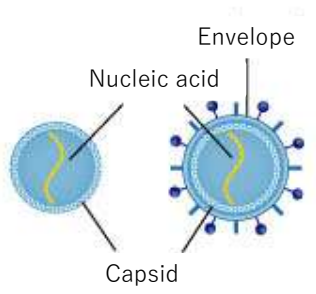
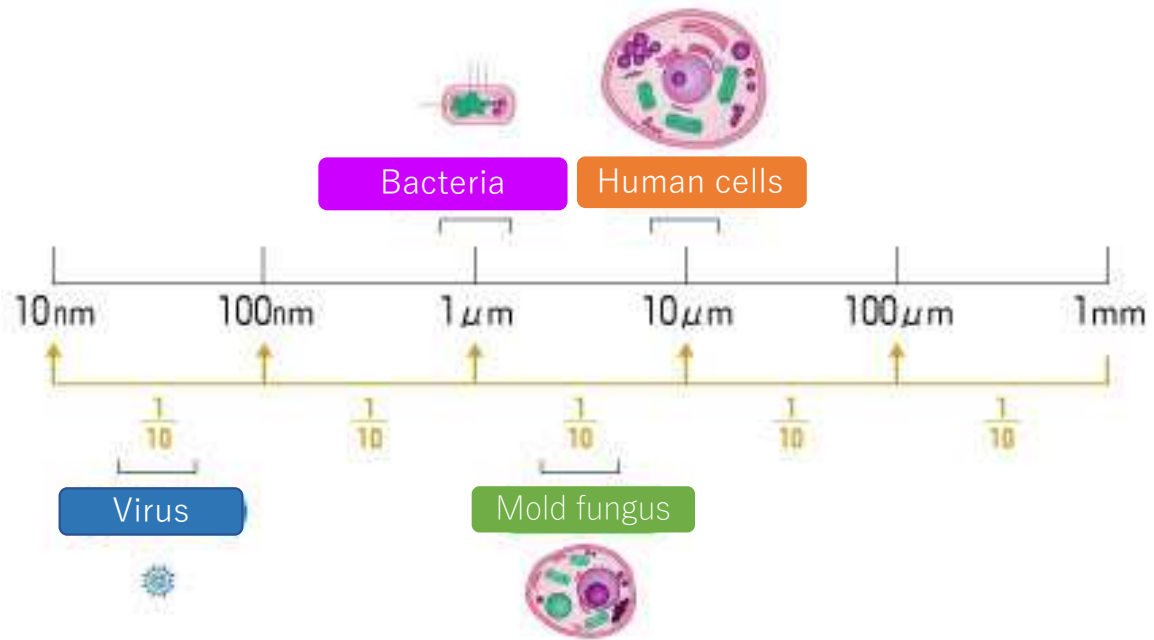
Made in Japan

Particle size (comparison with hair)



μm (Micrometer) : 1/1000 of mm

Pathogens: the difference of viruses and bacteria and fungi (molds)



There are also other structures