

Optimal solutions for safe,
secure, and healthy
breeding environments

Platinum Veil

(catalytic antibacterial/antiviral/deodorant liquid)

Outstanding safety and sustainability!

We will provide

- ❑ Avian Influenza Virus Control
- ❑ Ammonia Removal in Broiler Houses
- ❑ Reduction of Breeding Odors
for Chicken egg & breeding industry



Antivirus Market : <Game Changer after Corona Disaster>

The "nano platinum synthetic liquid agent" (in-house brand name: "Platinum Veil") developed by the CEP Project overcomes the shortcomings of conventional environmental hygiene and contact infection control measures by achieving both [Safety and +Long-lasting effectiveness], something that has never existed before, and is presenting a new common sense of contact infection control measures.

Platinum Veil



Platinum Veil will add a safe and high-quality usability to prevent infectious diseases.

World's First

Contains nano platinum particles.

* Successful inactivation test of new coronavirus.

* At Colorado State University, USA. It has been proven to be effective.



【50ml】 【100ml】 【500ml】

There are 500ml commercial size, 100ml household size, and convenient 50ml portable size. Can be used in the office, at home, or on the go, choose a location

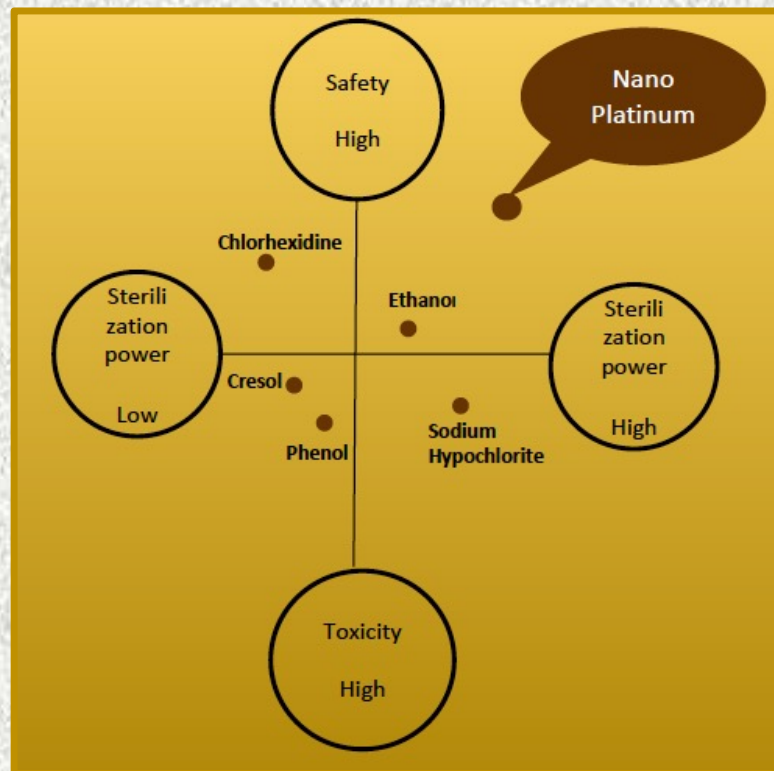
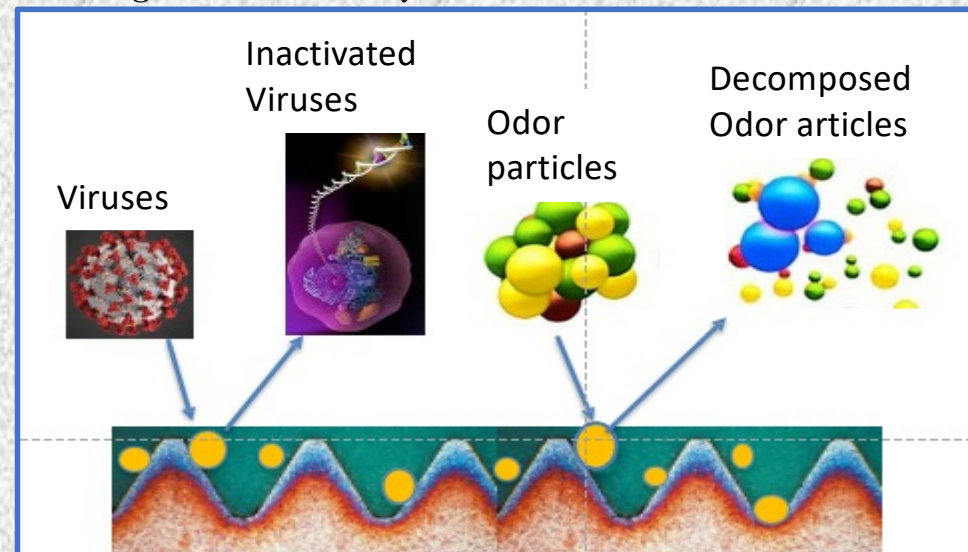


Image of the Catalytic action of Nano-Platinum



● = Nano Platinum Particles

★ Notes: Please refer to the separate document for product details, technical advantages, and evidence of "Platinum Veil".

Antivirus Market : <Game Changer after Corona Disaster> - Continued

Platinum Veil



With the world's first technology, you can feel secure in your life every day.

1 Bactericidal / Antibacterial

It has the effect of removing harmful bacteria and viruses and suppressing the growth of bacteria and viruses.

2 Catalysis

Nanoplatinum particles are used to purify and detoxify automobile exhaust gas.

3 Persistence

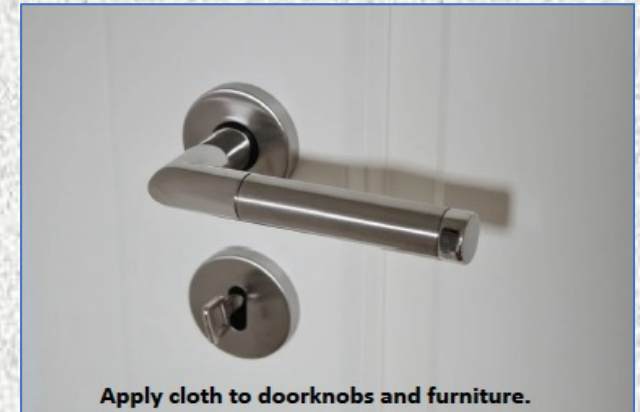
The effect lasts for more than a week. It is much safer to spray continuously.

4 Safety

Although it has a high sterilizing power, it has extremely little effect on the human body compared to alcohol and chlorine, and is highly safe.

5 Anti-virus and Deodorant

It has the highest inactivating and deodorizing effects on harmful viruses.



Apply cloth to doorknobs and furniture.

For sterilization of hands



Spray and rub your hands together. It won't get rough.



Spray on both sides of the mask. Prevents bad breath and viruses.



Extremely safe for the human body.



Safe for pets and deodorizes pet odors.

At egg collection and poultry farming sites: Spraying
Platinum Veil **without evacuating the birds !**

Broiler Houses

Breeding Operations



Layer Houses

Typical cage "laying hen"



Coating for chicken farms (chicken and eggs): Multi-effects of Platinum Veil

Broiler Houses

By decomposing and reducing the large amount of ammonia generated in the poultry house Reducing stress and producing high quality broilers and eggs.

Benefits: (1) Reduce stress in birds.

(2) Prevention of avian influenza.

(3) Deodorizes and antibacteriates the entire poultry house, which is effective in improving the environment for the local community.

Layer Houses



Spraying inside a chicken coop



Coating inside and outside of chicken coops

Poultry and egg factory measures : <Sprinkler spraying nano platinum synthetic solution>

Coating of poultry farms (chicken and egg): disinfection, deodorization, prevention of bird flu

In general, the broiler industry will continue to seek value-added and differentiation through new management methods in addition to "pursuing economies of scale" and "smart factory management through DX management. Our "Nano Platinum Synthesis Liquid" can contribute to higher productivity and profitability by raising livestock in a more comfortable environment and preventing the spread of viruses.



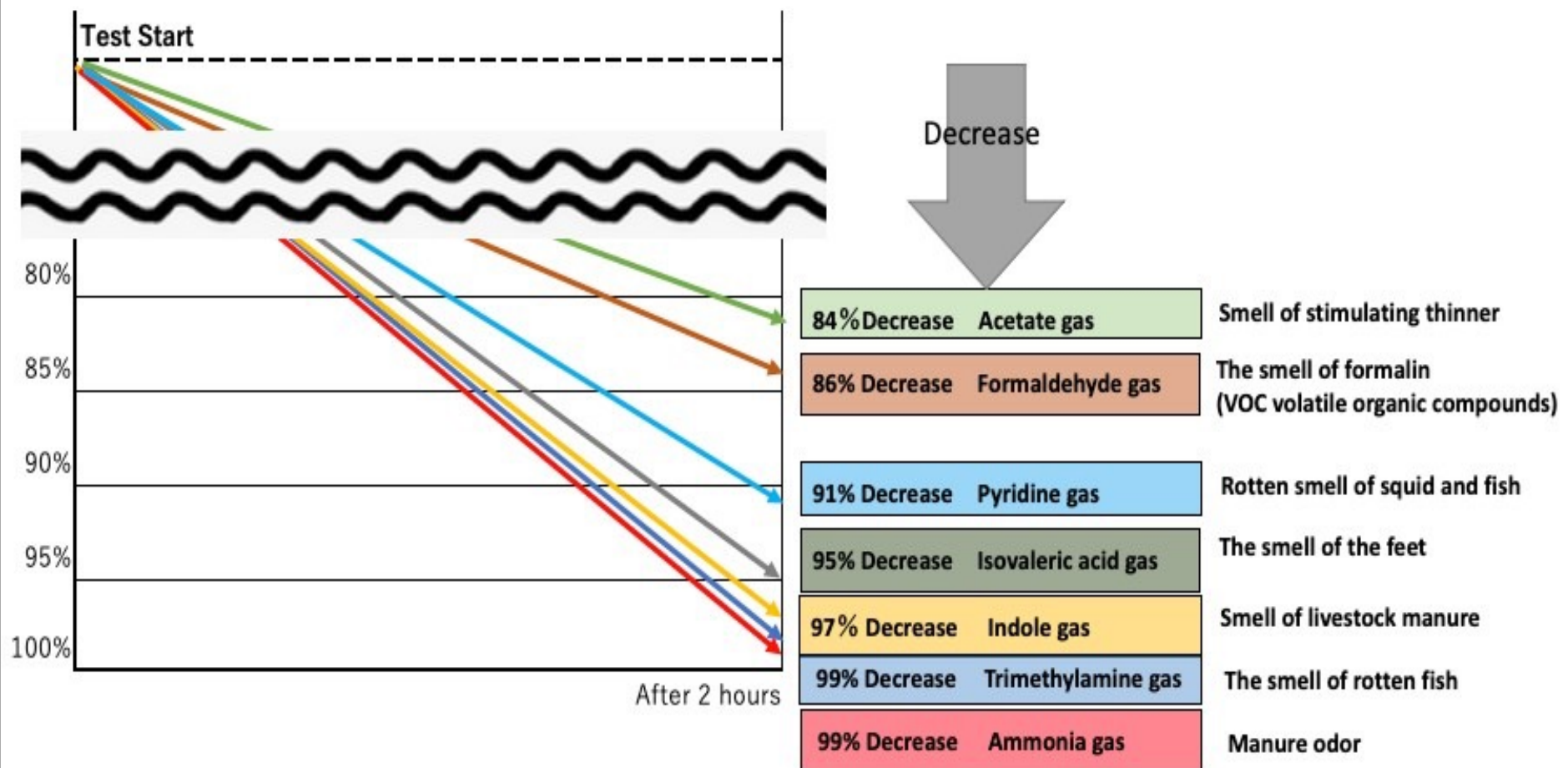
By introducing sprinkler equipment, for example, in conjunction with temperature and humidity control, and by automatically spraying the entire poultry house on a regular basis, the "nano platinum synthetic liquid agent" can always be spread evenly throughout the poultry house, eliminating stress and providing high quality birds and eggs by decomposing and removing the ammonia that is constantly being generated.

Evidence: Continuously decomposes and deodorizes indole gas and ammonia odors, contributing to stress reduction for livestock farmers and chickens.

Testing organization: (General incorporated foundation) Kaken Test Center

Odor removal performance (7 gases) 2H

High [deodorizing power] against 7 kinds of odoriferous gases

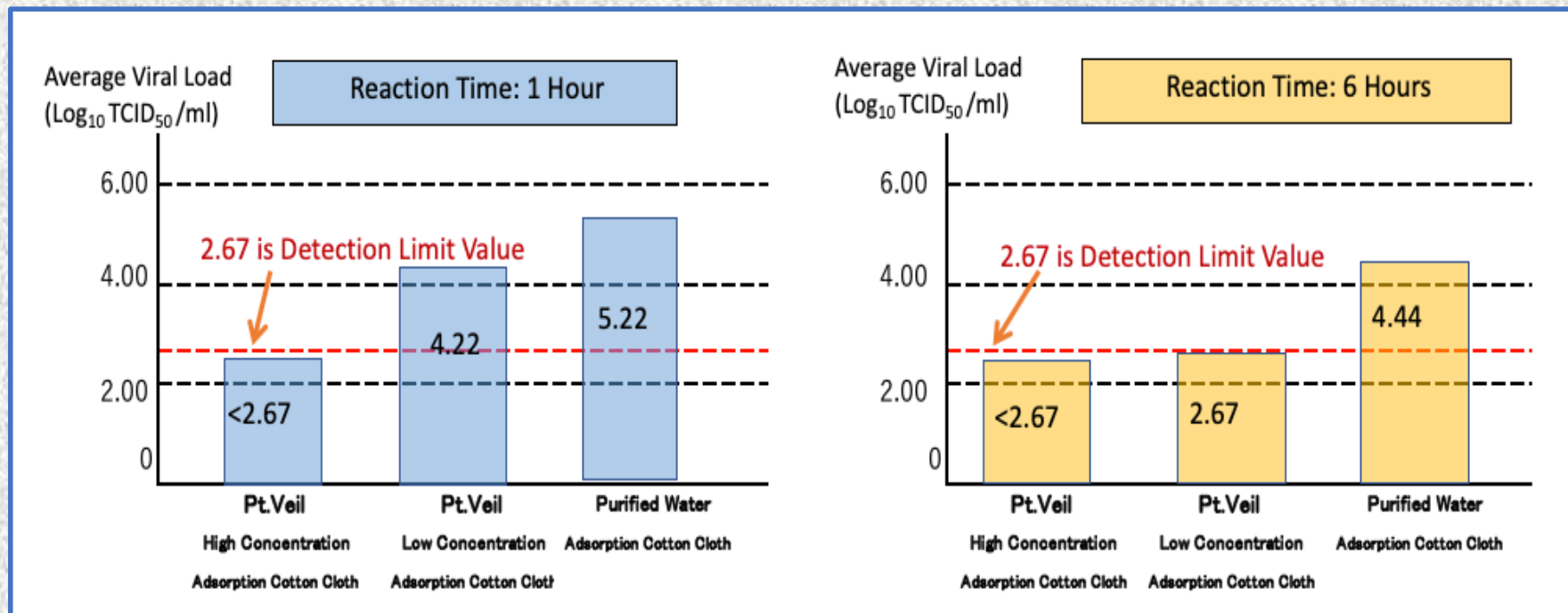


Evidence:
Inactivates highly pathogenic avian influenza viruses

Testing organization: National University
Corporation Shiga University of Medicine

Highly pathogenic avian influenza virus
(H5NI subtype) inactivation test 1H 6H

Detection limit : 2.67Log₁₀ TCID₅₀ /ml for Platinum Veil (Pt.Veil) high concentration adsorption cotton cloth (35°C when adding the stock solution and 1/10 dilution of the solution extracted from platinum veil high concentration adsorption cotton cloth to MDCK cells) (because MDCK cells died in 1 hour).



■ Summary of test results

1. When the virus (H5NI subtype) was absorbed into Platinum Veil high-concentration adsorbent cotton cloth, the virus became below the detection limit in 1 hour.
2. When a virus (H5NI subtype) was absorbed into Platinum Veil low-concentration adsorption cotton cloth, the virus (H5NI subtype) was absorbed to 1/10 of the control (average 4.22) in 1 hour. It decreased to 1/46 of the control (average 2.67) in 6 hours.