

Viroguard® 6

Goes further...

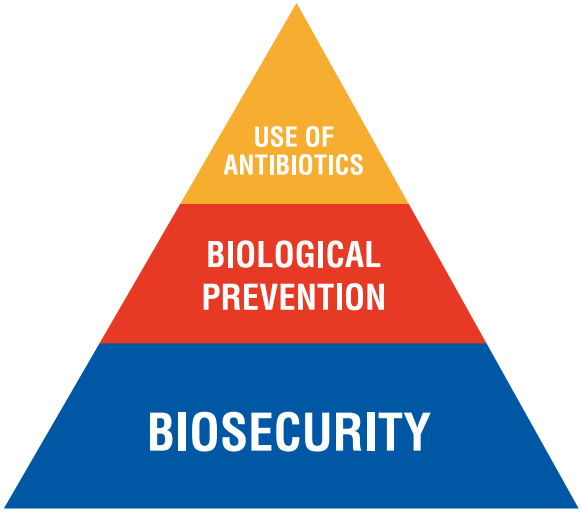
- Synergy between components
- High concentration
- Versatility of use
- Proven stability
- Safe product
- Non-corrosive

STRATEGIC PREVENTION

One of the key actions is the efficient management of farm **biosecurity**. Incorporating a sanitary plan reduces the risk of pathogen entry and helps maintain a healthy environment for intensive animal husbandry in a determined area.

Disinfection is the method with the greatest impact on biosecurity, as it has a significant effect on eliminating the pathogen load from the environment.

Viroguard® 6 is your perfect ally to carry out a sanitary plan to the next level and maintain control against harmful microorganisms in the environment.



Viroguard® 6

Everything you need for complete disinfection

1. **Synergy between components**
   More efficiency and broad-spectrum
2. **High concentration**
   Better performance per dose
3. **Versatility of use**
   Fits in your application requirements
4. **Proven stability**
   Active in the presence of organic matter
5. **Safe product**
   Low level of toxicity
6. **Non-corrosive**
   Does not cause equipment deterioration

WHY VIROGUARD® 6 AND NOT OTHER DISINFECTANTS?

Viroguard® 6 highly concentrated formula provides powerful disinfecting capacity. The innovative combination of its components and the benefits this product offers, it stands out as the most complete and distinctive alternative, significantly reducing the post-cleaning pathogen load, even in the presence of organic matter.



QUATERNARY AMMONIUM

Cationic surfactant that adheres to the cytoplasmic membrane and alters the permeability. **It has broad antimicrobial capacity.**

GLUTARALDEHYDE

Direct action on the proteins of microorganisms, causing changes in the enzymes. **This has more activity than formaldehyde, and it is not carcinogenic.**

DOUBLE-CHAIN QUATERNARY AMMONIUM

Greater activity against microorganisms, can handle biological loads of material and extremely hard water. **Detergent action on organic matter.**

ISOPROPYL ALCOHOL

Denatures proteins and dissolves lipids. Acts quickly and efficiently against many microorganisms. **Enhances the activity of the quaternary ammonium in the formula**

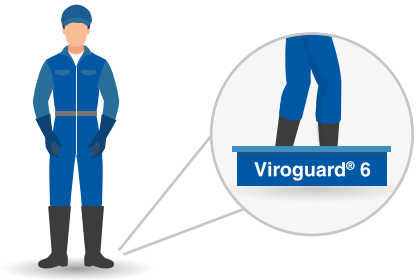
PINE OIL

It has disinfecting properties, due to its high phenols levels. In addition, it neutralizes odors and **disinfectant action of the product.**

THE VERSATILITY OF VIROGUARD® 6 MAKES IT THE IDEAL PRODUCT FOR USE AT DIFFERENT STAGES OF THE PRODUCTION CHAIN.

PLANT STAFF

Place mandatory foot baths with **Viroguard® 6** at the entrance and exit of each barn.

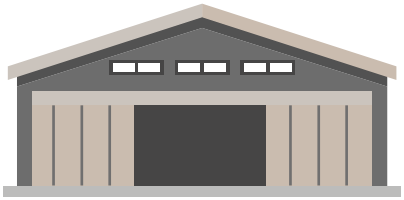


BARNS AND FACILITIES

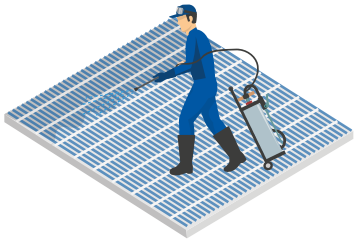
Disinfect the barns and installations with **Viroguard® 6** to minimize the presence of bacteria such as *E. coli, Salmonella* spp. and viruses like Newcastle, Influenza, PRRS, and many others. It's a non-corrosive product[1].

Walls and ceilings





Plastic or concret slats



Feeders and water dispenser



VEHICLES

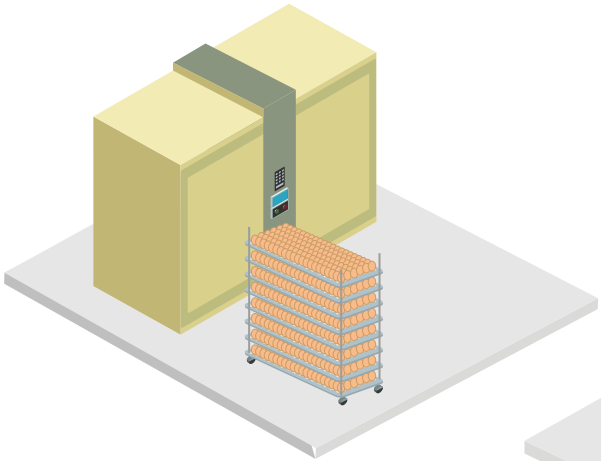
Vehicles must pass through the disinfection arch or the **Viroguard® 6** application must be done by the personnel. The addition of a wheelwash system completes an appropriate control.



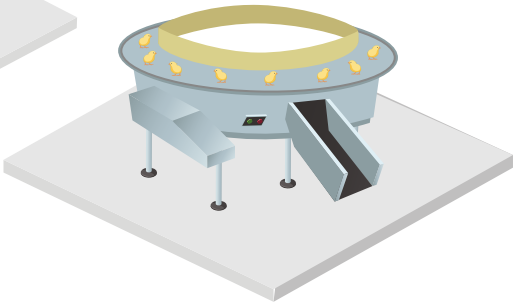
EGG PRODUCTION PLANTS

The use of **Viroguard® 6** is safe even on hatching eggs[1]. Its non-corrosive quality allows it to be used safely without damaging equipment.

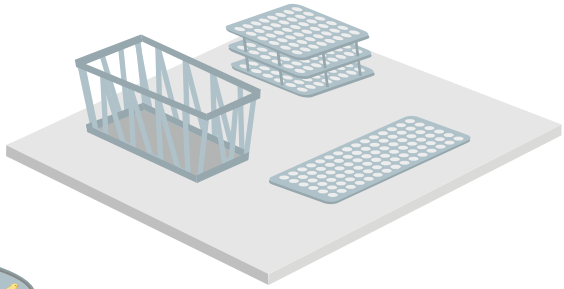
To use in Egg incubators, hatchers and in egg storage



Vaccination and chick dispatch room



Trays, crates and other equipment.



1. Evaluation of the impact using Viroguard® 6 in the embryonic development of ferile eggs. Sánchez, Salas. AMAH, Alfabiol. Lima 2019.

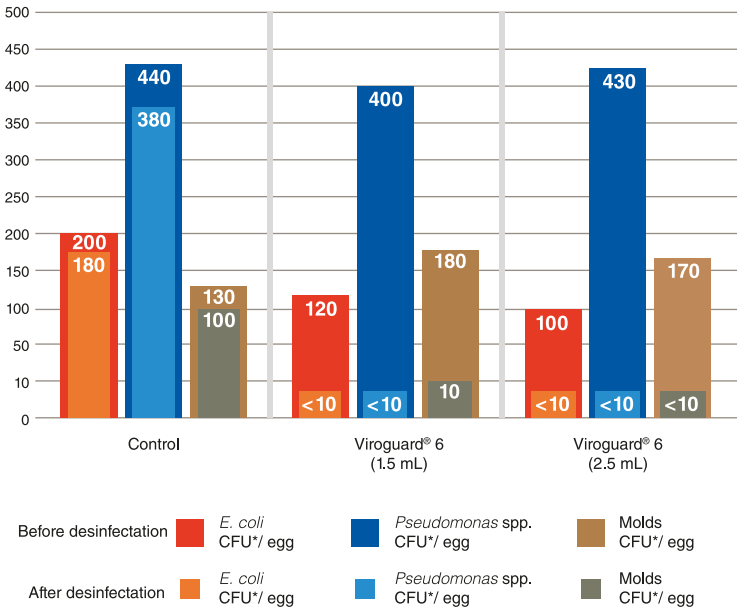
WIDE SPECTRUM

The **Viroguard® 6** formulation has been proven effective against the following microorganisms:



*Spores

SAFETY AT EVERY LEVEL



Hatching eggs surfaces were inoculated with strains of *E.coli, Pseudomonas* spp. and molds to verify the effectiveness of **Viroguard® 6.**
A measurement of the amount of colony forming units (CFU *) on the eggshell was made before and after disinfection.
As a result, a significant reduction in the pathogenic load is obtained when using **Viroguard® 6**[1].

THE TESTS PERFORMED GUARANTEE THAT DISINFECTING WITH VIROGUARD® 6 DOES NOT HAVE ANY HARMFUL EFFECTS ON THE EMBRYONIC DEVELOPMENT OF HATCHING EGGS.

NON CORROSIVE

Materials test	Initial Weight (g)	Final Weight (g)	Corrosion	% Affected area
Galvanized Metal	6,78	6,78	NO	0
Steel	59,07	59,07	NO	0
Bronze	16,27	16,27	NO	0
Rubber	20,55	20,78	NO	0

Use **Viroguard® 6** safely on your farm. Its application on different surfaces does not generate deterioration over time, prolonging the useful life of equipment and facilities[1].



1. Evaluation of the impact using Viroguard® 6 in the embryonic development of fertile eggs. Sánchez, Salas. AMAH, Alfabiol. Lima 2019.

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DOES NOT CONTAIN FORMALDEHYDE



Bottle x 1 L , Bottle x 5L, Bottle x 20L, Bottle x 10L, Bottle x 200L

COMPOSITION

Benzalkonium Chloride	170.6 mg
Didecyl Dimethyl Ammonium Chloride	78 mg
Glutaraldehyde	107.25 mg
Isopropyl alcohol	200 mg
Pine Oil	50 mg
Excipients q.s.ad	1 mL

USE AND DILUTION

ROUTINE DISINFECTION
1:400 (250-300 mL of solution per m^2)

DISINFECTION IN DISEASE OUTBREAKS
1:200 (250-300 mL of solution per m^2)

FOAM DISINFECTION (FOAM)
1:200 (recommended: display and longer contact time)

THERMONEBULIZATION (FOGGING)
1:4 (1;1L / 200 m^3)

FOOTBATHS
1:50 a 1:100 (change weekly or when there is a high organic load)

INCUBATORS
0,25 – 0,5% 1L of mix / 4 m^2

VEHICLES
0,25 – 0,5% 1L of mix / 4 m^2 per sprayed
Immerse wheel in 1% dose

VETERINARY HOSPITAL
0,25 – 0,5% 1L of mix / 4 m^2 per sprayed

GLUTARALDEHYDE ✓	FORMALDEHYDE ⊗
Quick removal, It also offers efficiency during prolonged contact times	Slower removal than glutaraldehyde and it is not effective in moments of prolonged contact
NON-CANCERIGENOUS	**HIGHLY TOXIC**
More effective than formaldehyde in presence organic matter and hard water	Less effective in presence of organic matter and hard water

! For proper disinfection of the areas, a thorough cleaning must be performed, attempting to remove as much organic matter as possible.

Avivet®

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