



Biosecurity Programme for
Equine Farms and Horse Racing Clubs

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Overview

Prevention, rather than cure, is the most effective approach to disease management in any farm environment. One of the greatest disease threats to a horse is from another horse, whether through direct contact or through surfaces, equipment, vehicles or people contaminated by diseased animals.

Vaccination is important; medication can be used once the horse or pony is seen to be sick, but neither can offer complete protection against the wide range of disease-causing organisms that threaten horses.

ViolpluS® is a broad-spectrum powerful disinfectant solution for your equine hygiene needs. It is effective against viral, bacterial and fungal organisms which can cause disease in horses; including Rhinopneumonitis / Equine Herpes Virus (EHV1 and EHV 3), Reovirus (Orbivirus), FMD, Salmonella, E.Coli, Candida albicans, Retrovirus and for the control of Equine Influenza.



ViolpluS® is ideal for stable blocks, horsebox, tack and equipment cleaning and disinfection. ViolpluS® can be used as an integral part of biosecurity procedures deployed in Horse Racing Biosecurity, and will meet the highest standards of hygiene laid down by renowned clubs globally.

It can be safely used around animals and has proven efficacy under real farm conditions where heavy soiling, hard water and low temperatures, which can present serious problems to other disinfectants.

ViolpluS® is a vital component in any biosecurity programme as it is used to clean and disinfect surfaces and equipment, which is essential to prevent the spread of disease. The unique formulation offers the flexibility, fast acting, convenient, one-stop disinfection package for surfaces, equipment, vehicles, aerial disinfection and water delivery systems.

ViolpluS® FEATURES AND BENEFITS

- A highly convenient, fast-acting, one- stop disinfection package for surfaces, equipment, vehicles, aerial disinfection and water delivery systems.
- A broad spectrum on-farm biosecurity solution
- Powerful, effective against over 500 strains of viruses, bacteria and fungi including foot and mouth disease (FMD), avian influenza, Salmonella and campylobacter.
- Kills pathogens ten times faster than the nearest competitor, even at low temperatures and in the presence of organic challenge.
- Superior operator safety.
- Can be misted in the presence of animals.
- Environment friendly. Formulated to degrade naturally within the environment.

ViolpluS® APPLICATION AND USAGE GUIDE

Stable Blocks

Dilution Rate: 1:100

- ❖ Remove all movable equipment (feeders, drinkers, etc)
- ❖ Removal all organic material (mud, refuse etc.) through scrapping and brushing.
- ❖ Using either a pressure washer, knapsack sprayer or watering can, disinfect all surfaces with ViolpluS® solution
- ❖ Allow surfaces to dry before replenishing bedding and replacing equipment.

Feeders, Drinkers, Tack and Equipment

Dilution Rate: 1:100

- ❖ Wash drinkers, feeders, tack and other equipment with ViolpluS® solution until visibly clean, leave for 10 minutes.
- ❖ Rinse thoroughly with clean water and then allow to dry.

Horsebox Disinfection

Dilution Rate: 1:100

To help prevent the spread of disease via transportation:

- ❖ Remove all organic material (mud, soiled bedding, refuse) from inside the horsebox and from around the wheels, wheel arches, mudguards and exposed chassis of the trailer using a stiff brush or pressure washer where necessary.
- ❖ Working from the outside in, and from top to bottom, disinfect all surfaces using either a pressure washer, knapsack sprayer or watering can. Use ViolpluS®, leave for ten minutes and then rinse thoroughly with clean water.

Aerial Disinfection

Dilution Rate: 1:100

Stable dust and airborne nasal discharges can transmit infection from horse to horse. VirolpluS® can be used as an aerial disinfection spray to help control airborne disease-causing organisms.

Misting, aerial spraying and fogging will control organisms that may be introduced into a building through various forms. These methods can disinfect inaccessible areas of the building and the air. Use either a fine mist sprayer or fogging machine to evenly apply VirolpluS® disinfectant solution.

Using a knapsack sprayer or pressure washer, on a low pressure setting, spray VirolpluS® solution into the stable on a daily basis.

There is no need to remove the horses whilst disinfecting the air.

Misting/Aerial Spray Dilution Rate: 1:200

Using either a pressure washer or knapsack sprayer on its finest mist setting, apply 1L of VirolpluS® solution per 10m² of floor space.

Cold Fogging Dilution Rate: 1:100

Use a mechanical mister to apply VirolpluS® solution at a rate of 1L per 10m² of floor space.

Topical Use

Dilution Rate: 1:100

VirolpluS® can be used as a skin disinfectant. Washing your horse with VirolpluS® can reduce the skin challenge of the organisms that are responsible for Ringworm, Mud Fever and Strangles.

- ❖ Use a clean sponge or cloth to apply the VirolpluS® solution to the coat of the horse, ensuring that solution is kept out of the animal's eyes, ears and respiratory tracts.
- ❖ Leave for ten minutes and then rinse thoroughly with clean water.

Farm Equipment Disinfection

Dilution Rate: 1:100

All farm equipment, particularly items such as ear taggers, clippers and disbudding equipment which come into contact with raw wounds, should be thoroughly cleaned and disinfected prior to each use or transfer between sites to remove any potential disease-causing organisms and cross contamination.

- ❖ Use a brush or pressure washer to wash all equipment in VirolpluS® solution until completely clean.

Farm Water System Disinfection Dilution Rate: 1:100

All water systems can potentially contain some viral and bacterial contamination, especially header tanks where dust and debris can accumulate. Disinfection will clean the system and eliminate viruses, bacteria and fungal growth.

Terminal Disinfection Dilution Rate: 1:200 - 1:100

Isolate the header tank at the mains and drain off to drinker points farthest from the tank. Clean out any gross soiling and debris. Refill with water and add the appropriate volume of ViropluS®, thoroughly stir and leave for 10 minutes. Flush the system through to all drain-off points and leave for a further 50 minutes before draining the system and refilling with clean water.

ViropluS® EFFICACY AGAINST EQUINE PATHOGENS

CAUSATIVE ORGANISM	VIRAL DISEASE
Reovirus (Orbivirus)	African Horse Sickness
Equine Arteritis virus	Equine viral arteritis (EVA or pink eye)
Equine Herpes Virus (EHV1)	Equine herpes abortion, respiratory and neurological disease
Equine Herpes Virus (EHV3)	Coital exanthema
Papova Virus	Equine papillomatosis
Retrovirus	Equine infectious anaemia (EIA, Swamp Fever)
Adenovirus	Adenovirus respiratory disease
Orthomyxovirus	Equine influenza

CAUSATIVE ORGANISM	BACTERIAL DISEASES
Clostridia sp.	Clostridial diarrhoea
Salmonella sp.	Salmonellosis
E.coli	Enteric colibacillosis (Diarrhoea)
Streptococcus equi	Strangles
Taylorella equigenitalis	Contagious Equine Metritis (CEM)
Klebsiella pneumoniae	Bacterial endometritis, Pneumonia
Pseudomonas aeruginosa	Endometritis, Genital tract infections, Pneumonia
Dermatophilus congolensis	Dermatophilosis (RainScald), Mud Fever

CAUSATIVE ORGANISM	FUNGAL DISEASES/YEAST INFECTIONS
Trichophyton spp.	Ringworm (Dermatophytosis)
Microsporium spp.	Ringworm (Dermatophytosis)
Candida albicans	Uterine infections

ViolpluS® is available in the following packaging:

50g bottles - makes 5 litres;

500gm jars - makes 50 litres

2Kg jars - makes 100 litres of disinfectant solution

For Orders and Enquiries, please contact:

info@indusahealthcare.com