



How Equine Diseases are spread

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, effective and economical protection against the wide range of disease-causing organisms that threaten horses.

Virkon® S is the ultimate equine disinfectant independently proven to be effective against viral, bacterial and fungal organisms which can cause disease in horses.

How to control the spread of equine diseases

Stable Blocks

- Remove all moveable equipment (feeders, drinkers, etc)
- Remove all organic material (mud, soiled bedding and refuse) through scraping and brushing
- Using either a pressure washer, knapsack sprayer or watering can, disinfect all surfaces with Virkon® S solution (1:100 dilution rate)
- Allow surfaces to dry before replenishing bedding and replacing equipment

Feeders, Drinkers, Tack and other Equipment

- Wash drinkers, feeders, tack and other equipment with Virkon® S solution (1:100 dilution rate)
- Rinse thoroughly with clean water and then allow to dry

Horsebox Disinfection

To help prevent the spread of disease via transportation:

- Remove all organic material (mud, soiled bedding and 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 Virkon® S at a dilution rate of 1:100, leave ten minutes and then rinse thoroughly with clean water.

Aerial Disinfection

Stable dust and airborne nasal discharges can transmit infection from horse to horse. Virkon® S can be used as an aerial disinfection spray to help control airborne disease-causing organisms. Using a knapsack sprayer or pressure washer, on a low pressure setting, spray Virkon® S solution (1:200 dilution rate) into the stable on a daily basis. There is no need to remove the horses whilst disinfecting the air.

Topical use

Virkon® S can be used as a skin disinfectant (on intact/healthy skin). Washing your horse with Virkon® S at a dilution rate of 1:100 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 Virkon® S solution to the coat of the horse, ensure 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.

- Stable Blocks
- Horse Blocks and Vehicles
- Equipment and Tack
- Feeders and Drinkers



List of equine pathogens covered by Virkon® S

Bacteria	Dilution	Disease (example)	Bacteria	Dilution	Disease (example)
Clostridium perfringens	1:100	Enterotoxemia	Salmonella enterica	1:400	
Clostridium perfringens	1:100		Salmonella enterica	1:200	
Dermatophilus congolensis	1:50	Dermatophilosis	Staphylococcus aureus	1:100	Botryomycosis
Escherichia coli	1:100	UT infection enteric colibacillosis, septicaemia	Staphylococcus aureus	1:400	
Escherichia coli	1:100		Staphylococcus aureus	1:100	
Escherichia coli	1:400		Streptococcus equi	1:100	Strangles
Klebsiella pneumoniae	1:100	UT infection	Streptococcus equi	1:100	
Klebsiella pneumoniae	1:100		Taylorella (Haemophilus) equigenitalis	1:400	Contagious equine metritis
Klebsiella pneumoniae	1:100		Taylorella (Haemophilus) equigenitalis	1:400	
Pseudomonas aeruginosa	1:100	Endometriosis, genital tract infection	Taylorella (Haemophilus) equigenitalis	1:400	
Pseudomonas aeruginosa	1:200		Taylorella (Haemophilus) equigenitalis	1:100	
Pseudomonas aeruginosa	1:400		Taylorella (Haemophilus) equigenitalis	1:100	
Salmonella typhimurium	1:100				

Fungi & Yeast	Dilution	Disease (example)
Candida albicans	1:100	Uterine infections
Candida albicans	1:67	
Candida albicans	1:200	
Microsporum canis	1:6400	Ringworm (surrogate study)
Trichophyton mentagrophytes	1:300	dermatophytosis
Trichophyton mentagrophytes	1:50	dermatophytosis

Viruses	Dilution	Disease (example)
Avian Adenovirus type 2	1:200	Respiratory disease (surrogate study)
Equine arteritis virus	1:350	Viral arteritis
Equine arteritis virus	1:100	Viral arteritis
Equid herpes virus 3	1:100	Coital exanthema
Equid herpes virus 1	1:100	Viral pneumonitis
Equine influenza virus	1:100	Equine influenza
Bovine polyoma virus	1:100	Papillomatosis (surrogate study)
orthopox virus (vaccine strain), Vaccinia	1:100	smallpox vaccine (surrogate study)
Avian reovirus	1:100	African Horse sickness (surrogate study)
Avian leucosis virus	1:200	Equine infectious anaemia (surrogate study)

LANXESS
Energizing Chemistry

Antec International Limited
LANXESS Material Protection Products
Windham Road, Chilton Industrial Estate,
Sudbury, Suffolk, CO10 2XD
United Kingdom
Tel: +44 (0)1787 377305
biosecurity@lanxess.com
biosecuritysolutions.lanxess.com
lanxess.com

This information and our technical advice – whether verbal, in writing or by way of trials – is subject to change without notice and given in good faith but without warranty or guarantee, express or implied, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to verify the information currently provided - especially that contained in our safety data and technical information sheets - and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General Conditions of Sale and Delivery.

The specified uses and registered claims for the product/s may vary from country to country.

Please contact LANXESS directly to verify country-specific approved usages.

Use biocides safely. Always read the label and product information before use.

©2022 LANXESS. Virkon®, LANXESS, the LANXESS Logo and any associated logos are trademarks or copyrights of LANXESS Deutschland GmbH or its affiliates. All trademarks are registered in many countries worldwide.

LANXESS/Virkon® S/UK/28.07.22/V11/G