

Horse Box Biosecurity Programmes

Introduction

The importance of biosecurity for all vehicles cannot be stressed enough. This applies especially to livestock and feed vehicles, but also to any others visiting or leaving a farm. Livestock haulage and other vehicles, such as feed lorries, provide an excellent vector through which disease can spread. Cleaning and disinfection must be carried out to minimise the possibility of transmission of disease. Our unique Transport Biosecurity programme provides farmers and hauliers with step-by-step procedures to follow which if adhered to can help reduce disease transmission via transportation of livestock:

VEHICLE DISINFECTION SUMMARY

In addition to livestock haulage vehicles all vehicles e.g. feed lorries and contractors must follow this summary to reduce the potential for transmission of disease.

- Only essential vehicles may enter the site.
- All vehicles visiting the unit should be kept outside the biosecurity perimeter if at all possible.
- Vehicles should be thoroughly cleaned and disinfected using the Antec Vehicle Biosecurity Programme prior to arrival at the unit.
- Wheels, tyres and wheel arches should be cleaned and disinfected upon arrival at the unit using wheel dips or sprays where provided.
- Personnel should use footdips, protective clothing and the Antec Hand Hygiene System prior to entry to premises

Cleansing & Disinfecting Agents

Cleansing		
Antec DSC 1000	Dilution:	1:1000 (1 L in each 1000 litres)
	Rate:	500 ml/m ²
Disinfection		
Antec VIRKON S	Dilution:	1:100 (1 KG in each 100 litres)
	Rate:	300 ml/m ²

VEHICLE CLEANSING & DISINFECTION PROCEDURES

- Before undertaking the following biosecurity programme please ensure that the person carrying out the procedure is wearing clean and disinfected protective clothing. Protective face visor and rubber gauntlets must be worn during the disinfection stage of this procedure.

STAGE 1. Dry Cleaning - Removing Organic Soiling

It is essential to remove all gross organic soiling from the vehicle as dung and refuse contain high levels of contamination and are a major source of infection.

Using brushes, shovels and forks ensure the following area's are covered:

Inside the Horse Box

- Starting at the top and working down, first scrape out all soiled bedding and refuse, then brush the floors, sidewalls and division gates of the trailer ensuring that all organic material is removed.
- Ensure that any gross organic material is removed from the tail lift/ramp and gates by scraping and brushing.

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Outside the Horse Box

- Particular attention must be paid to the removal of organic material from the underside of the trailer where deposits can build up. Using a stiff hand brush (or pressure washer where necessary), ensure that any deposits of mud, straw etc are removed from the wheels, wheel arches, tyres, mudguards and exposed chassis of the trailer.

All soiled bedding and refuse should be disposed of in accordance with Local Authority or Governmental guidelines.

STAGE 2. Cleaning & Sanitizing

Following the removal of the soiled bedding and refuse, high levels of infective material will still remain. Cleaning with Antec DSC 1000 at a dilution of 1:1000 for spraying or 1:50 for foaming will ensure that greasy deposits do not remain on any surfaces. Using a detergent such as DSC 1000 also reduces the time taken to clean by up to 60%, and reduce the spread of disease in washing water.

Apply with either a knapsack sprayer or pressure washer using the appropriate application rate (500ml/ m² for normal application 250ml/ m² for foam application). If using a pressure washer, ensure that it is set on a low pressure setting (approx. 500 psi :35 bar) using a 45° angle jet.

- Using the brush attachment for the pressure washer, start at the top and work down each side of the trailer working the DSC 1000 solution into the surfaces and any orifices.
- Using the lance attachment at low pressure apply DSC 1000 to the wheels, wheel arches, tyres, mudguards and underside of the trailer.
- Inside the trailer, starting at the top and working down to the bottom, ensure that the ceiling, sides, divisions and floors are all treated thoroughly.
- Attention must be paid to the tail ramp and gates.
- Ensure that all equipment stored in the trailer such as shovel, brush, etc are removed and washed.
- Allow at least 10 minutes to for the detergent to penetrate and loosen the dirt from all surfaces before rinsing at high pressure.

It is essential to have removed all organic material before proceeding to the disinfection stage.

STAGE 3. DISINFECTION

The level of disease organisms, particularly viruses, present after cleaning and sanitizing is still high enough to offer a serious disease challenge. The use of a broad spectrum disinfectant such as Antec VIRKON S, active against viruses bacteria, yeasts, moulds and other pathogenic organisms and must be used to complete this effective disease control programme.

Using Antec VIRKON S at a dilution of 1:100 solution (1KG in each 100 litres) and rate of 300 ml/ m² at low pressure:

- Outside of the trailer, start at the top and work down each side.
- Ensure that special attention is paid to the wheel arches, tyres, mudguards and underside of the trailer.
- Inside the trailer, starting at the top and working down, ensure that ceiling, sides, divisions and floors are disinfected thoroughly.
- Attention must be paid to the tail ramp and gates.
- Ensure that all washed equipment from the trailer such as shovel, brush, etc is sprayed or soaked in Antec Virkon S.

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In very rare instances, Virkon S may affect untreated metals, inferior or damaged galvanised metals. In these cases we recommend rinsing these areas with clean water after disinfection ensuring a contact time of at least 5 minutes.

Finally

- Park the trailer on a slope to drain and dry.
- Once the trailer is removed from the wash area, wash down the concrete surface with Antec DSC 1000 making sure no muck or debris remains.
- Wash & disinfect waterproof overalls and boots.

For environmental awareness take care to avoid any solutions entering surface water drains or water courses. A discharge consent may be required for large volume discharges to foul sewer.

