

steri-7

HIGH LEVEL
BIOCIDAL
DISINFECTANT
CLEANER

REACTIVE
BARRIER
TECHNOLOGY

KILLS PATHOGENS
99.9999%
WITHIN SECONDS



Pioneering with integrity

STERI-7



BREAK
TREAT
PREVENT

The success of STERI-7 over a wide range of environments and uses inspired a philosophy unique to this business:

BREAK–TREAT–PREVENT

Using STERI-7 hand washes and sanitisers helps **BREAK** the chain of infection endemic in many environments such as schools, catering and healthcare.

Then, applying STERI-7 biocidal cleaner to the vulnerable spaces and surfaces will **TREAT** the pathogens at source.

Finally, continued use of STERI-7 with Reactive Barrier Technology will help **PREVENT** any further re-infection.

STERI-7's unique Reactive Barrier Technology means that it offers powerful protection between cleans.

All disinfectants kill some bacteria, but they are only designed to work while wet. As soon as the solution has dried it has no effect on new bacteria attacking the surface. This means re-colonisation will occur within 20 minutes

after the surface has been 'cleaned'.

STERI-7 is remarkably different. It works like this:

Spray a surface with STERI-7 and a few seconds later any bacteria, viruses and spores on that surface will be dead. But STERI-7 doesn't stop there. Leave it to dry and a reactive barrier is created on the surface.

This STERI-7 barrier reactivates in the presence of the smallest amounts of moisture. How small? To reproduce, bacteria, viruses and spores need moisture. Should they land on the surface and then try to actuate, the moisture they contain, even though it's microscopic, is enough to reactivate STERI-7. Which then wipes them out.

The reactive barrier continues to be effective for a proven 72 hours*, killing pathogens between cleans and protecting floors and surfaces 24/7.

STERI-7 Reactive Barrier Technology is available in a large and ever expanding range of products from a simple hand spray for around the home to Medical Grade deep cleaners for use in Hospitals and Industry.

* Hospital Infection Research Laboratory, City Hospital Birmingham.



What is STERI-7 with Reactive Barrier Technology?

STERI-7 is a high-level, broad spectrum, one stage disinfectant cleaner. When applied to any surface from a floor to a wall or even a fabric, the biocide in STERI-7 kills Bacteria, Spores, Fungi, Viruses and Mould in seconds. But unlike any other disinfectant, STERI-7 incorporates a unique innovation called Reactive Barrier Technology.

Reactive Barrier Technology is a specialised micro emulsion which provides an optional sustained release system – this means that the Reactive Barrier can be turned on or off depending on the situation. It’s simple, if you rinse STERI-7 after application you remove the Reactive Barrier, if you leave STERI-7 to dry you enable the Reactive Barrier Technology giving you added biosecurity and protection between cleans.

How does the Reactive Barrier Technology work?

Take a surface that’s vulnerable to pathogenic infection. Spray STERI-7 on the surface and leave to dry. Seconds later and STERI-7 has killed 99.9999% of harmful bacteria, viruses, fungi, spores and moulds on that surface. STERI-7 doesn’t stop there. When STERI-7 has dried, a barrier is created which reactivates in the presence of any moisture.

For bacteria, viruses, fungi, spores and moulds to reproduce, they must contain moisture. However the moisture they need, even though it’s microscopic, is enough to activate STERI-7’s Reactive Barrier, which effectively wipes them out. The germs kill themselves. Pathogen suicide no less.

We wanted to prove STERI-7 Reactive Barrier Technology could be used to promote Biosecurity, so we asked an Industry recognised independent analytical laboratory to put STERI-7 and the Reactive Barrier Technology to the test.

Using an adapted version of protocol EN 13697 under ‘Dirty’ test conditions, STERI-7 was diluted with hard water, as hard water weakens a disinfectant’s efficacy. Spores, fungi and bacteria were chosen because these are some of the toughest pathogens to damage, never mind kill. If they could be killed under these

conditions we knew STERI-7 could deal with almost anything.

The lab set their parameters. STERI-7 was sprayed onto stainless steel slides and left to dry. Once dried they were inoculated with selected bacteria, spores and fungi. After 1 minute contact time, the slides were swabbed with a dry sterile swab and analysed. **STERI-7 killed the lot.**

5 minutes later the same stainless steel slides were inoculated again, left for 1 minute contact time and swabbed with a new dry sterile swab. **STERI-7 again killed the lot.**

This was repeated at 30 minutes, 60 minutes, and even 72 hours later. **Guess what?**

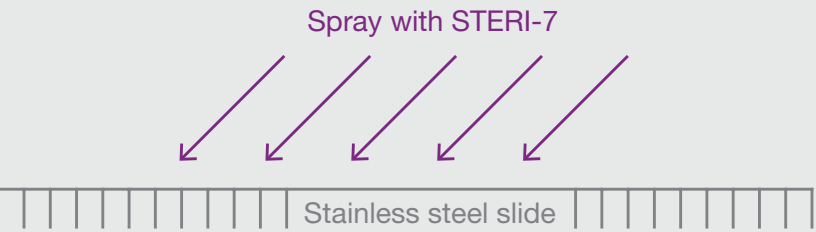
Yes. STERI-7 again killed the re-inoculated pathogens.

What does this mean for you?

As has been proven, STERI-7’s unrivalled Reactive Barrier Technology continues to be effective between cleans. And although it is extremely harmful to pathogens, it is not harmful to anything or anyone else. All of STERI-7’s ingredients have worldwide approval so as well as being safe to use, non-toxic and non-corrosive.

STERI-7 is a genuine breakthrough in Biosecurity.

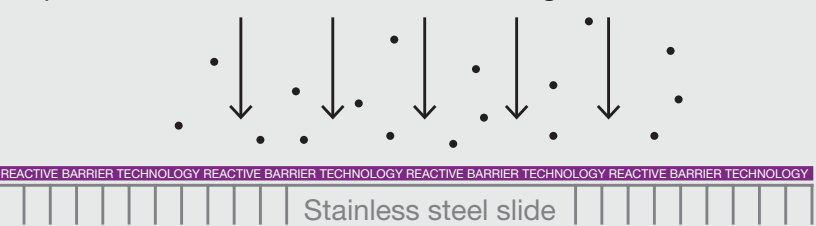
Step 1



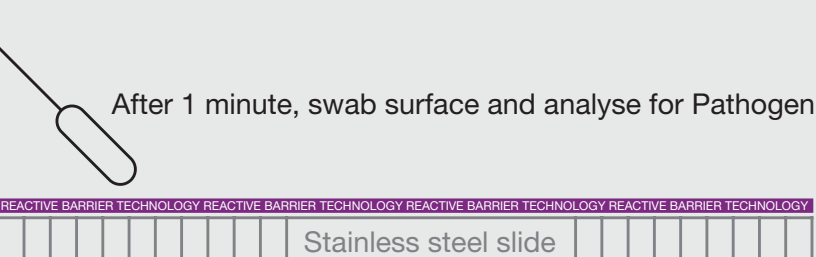
Step 2



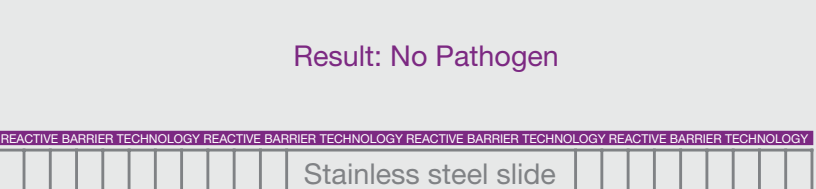
Step 3



Step 4



Step 5



Repeat from Step 3 after 5 minutes, 30 minutes, 60 minutes and after 72 hours. **BUT REMEMBER, THIS WHOLE PROCEDURE IS AFTER JUST ONE APPLICATION OF STERI-7**

STERI-7

CONTAMINATED

A contact slide that has been applied to a working surface. The slide clearly shows the presence of contamination

The same surface is retested with a new slide, 5 minutes after STERI-7 has been applied. No trace of contamination remains.

AFTER 5 MINUTES

The same surface is retested the following day. Despite pathogens having been clinically reintroduced, again no trace remains.

AFTER 24 HOURS

STERI-7

a breakthrough in the fight against infection

Wherever we go, whatever we do, there are harmful germs all around us. We are at risk from common bacteria like E. Coli and Salmonella, and from viruses like Norovirus and Influenza. In our hospitals, 'superbugs' such as MRSA and Clostridium Difficile are responsible for thousands of patient deaths each year. And there are new threats emerging too, like Avian Flu and SARS. Below is a small summary of the pathogens we kill, we have test results for a lot more which are available upon request!

Campylobacter
Ps.aeruginosa
MRSA
Vancomycin-Resistant
Enterococcus (VRE)
Ent. hirae
Staph.aureus
E.coli
Salmonella typhimurium
Salmonella enteritidis
Salmonella cholerae suis
Salmonella sp
Proteus Vulgaris
Legionella
Listeria Mono
Mycobacterium terrae (TB)
Mycobacterium Fortuitum
Bacillus subtilis
Bacillus cereus
Clostridium difficile
Clostridium perfringens
Clostridia sp.
Candida albicans

Aspergillus niger
SARS
Hep C
Influenza A H1N1, H5N1
HIV
Norovirus
Equine Herpes Virus (EHV4 EHV1)
Parvovirus
Non-envelope viruses
Klebsiella pneumoniae
Pseudomonas aeruginosa
Rhodococcus Equi
Trichophyton spp,
Microsporum spp.
Ringworm (Dermatophytosis)
Candida albicans
Streptococcus (Strangles)
Digital Dermatitis
Mortierella
Mud Rash
Rain Scald
Bovine Viral Diarrhoea



STERI-7's Biocidal Hand Sanitiser and wash are unmatched in the constant battle against infection faced by healthcare professionals.

In fact they are the first weapons in the STERI-7 hygiene philosophy of BREAK, TREAT, PREVENT, because when used regularly, they help BREAK the chain of infection often found in healthcare.

The Hand Wash brings an extraordinarily high-level of hygienic protection to anything from surgical hand scrubs to general use in kitchens, washrooms and toilets.

Dermatologically tested and classed as totally non-irritant, it is gentle on your skin yet so powerful it kills Norovirus, Clostridium Difficile spores, Swine Flu, MRSA and other harmful pathogens. And thanks to STERI-7's unique Reactive Barrier Technology, it will kill off germs and pathogens for up to three hours after you used it.

The Hand Sanitiser is perfect in situations where water is not available and like the Hand Wash, it too eliminates Norovirus, E.Coli, Salmonella, Listeria, H1N1, MRSA and C.Diff.

Both products are 100% organic, non-perfumed and designed to re-moisturise the skin after use.

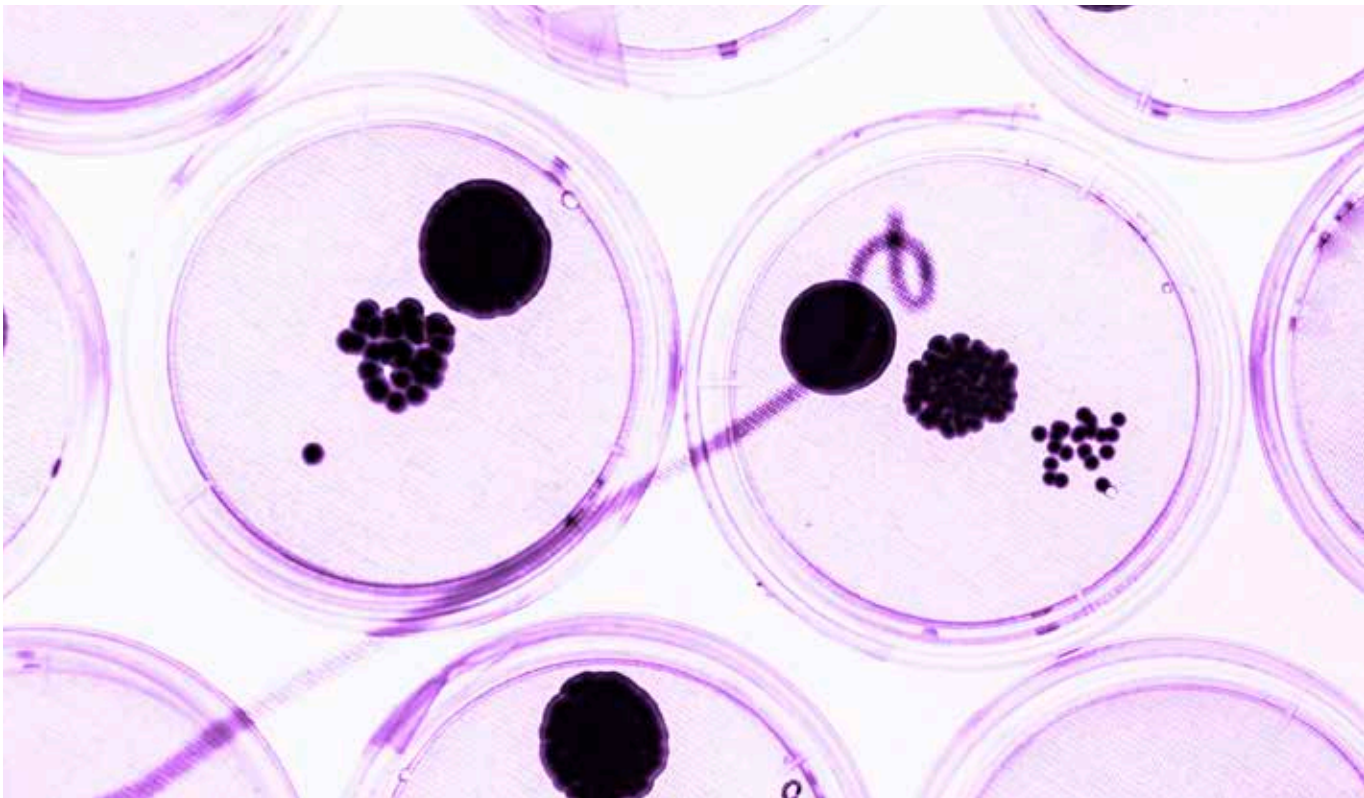


Breaking the chain of infection



Scientifically proven using independent laboratories

	STERI-7	Alcohol
Kills Clostridium Difficile Spores	■	
Works in soiled conditions	■	
Kills MRSA, Sars, Avian Flu, E.Coli, Salmonella, Klebsiella	■	■
Non alcohol	■	
Highly Flammable		■
Passed BSEN 1500	■	■
100% organic	■	■
Bacteriacidal, Virucidal, Fungicidal, Sporicidal	■	
Non irritant	■	
Non perfumed	■	■
Re-moisturises the skin	■	■
Stays active for up to 3 hours	■	



We are at risk from infection every minute of the day.

Common bacteria like E.Coli and Salmonella and viruses like Norovirus and Influenza are all around us; in the air we breathe and the things we touch. More recently Avian Flu and SARS have appeared on the scene, seemingly from nowhere.

Healthcare is an area particularly vulnerable to contamination, dealing as it does with the sick, ill and injured. The emergence of vicious 'Superbugs' like MRSA and Clostridium Difficile is making the work of Healthcare professionals even tougher.

They need all the help they can get.

Formidable assistance is available in the form of a high-level, broad-spectrum biocidal disinfectant called STERI-7. Powerful enough to satisfy the most stringent Medical criteria, STERI-7 kills 99.9999% of bacteria and mycobacteria like MRSA, Salmonella, E.Coli. P. aeruginosa and TB, spores such as C.Diff and Bacilis Cereus, viruses from Hepatitis C through to Norovirus and even fungi and yeasts like Aspergillus niger and Candida albicans. And, thanks to STERI-7's unique Reactive Barrier Technology, it continues to be effective even when dry, keeping treated areas contamination free between cleans.

Yet despite being death to pathogens, STERI-7 is non-toxic, non-irritant and non-corrosive.

So now anyone who deals in healthcare hygiene doesn't need to change any established cleaning protocols, they simply use STERI-7.



STERI-7 Xtra Strength Sachet

Double the strength and half the size of our previous sachets, STERI-7 Xtra Strength Sachet is formulated to be diluted and dispensed into trigger spray bottles or buckets for high volume cleaning solutions.

For High Level Cleaning/Disinfection: Pour 1 litre of water into a clean container. Cut corner of STERI-7 Xtra sachet and pour carefully into container, Stir thoroughly. **Cleaning Surfaces:** Spray or Wipe surface evenly with a clean damp cloth. Allow to dry.

For general Cleaning/Disinfection:

Pour 5 litres of water into a clean container. Cut corner of sachet and pour STERI-7 carefully into container. Stir thoroughly.

Cleaning walls/floors: Use with mop and bucket, or scrubbing machine. Use a clean, damp cloth on walls. Clean heavily soiled areas first then spread evenly over the surface and leave to dry.

STERI-7 ULV Biomist:

High Level: 2 x sachet per 5lt
General: 1 x sachet per 5lt

For Power washers: 1 sachet to 5lts.



When using wipes you must make sure you wet the surface thoroughly. In order to kill germs, there needs to be enough disinfectant on the surface to make it wet. If your surface isn't getting wet enough when you wipe, throw away the towelette and use a new one.

Once the surface is sufficiently wet, let it air dry. Resist the temptation to wipe the surface dry. The disinfectant needs time to work.

Throw away each wipe after use and don't use on different surfaces. This is very important because wipes do not always kill the germs that they pick up. If you use the same wipe to clean something else, you will be spreading those germs all over the new surface.

Always remember to wash your hands before and after using wipes to prevent any transferring of contamination.



STERI-7 Xtra Concentrate formulated to be diluted in buckets for high volume heavy-duty cleaning /degreasing solutions. Ideal for food processing areas. This also represents the most economical way to purchase as it is diluted upto 1:50.

Developed for use on hard surfaces, soft metals and textiles such as worktops, floors, walls, doors, sinks and food preparation areas.

STERI-7 kills pathogens 99.9999% at the point of application and continues to protect surfaces between cleans.

Conforms to:

ISO13485	BS EN 14347
BS EN 1040	BS EN 14348
BS EN 1276	BS EN 14349
BS EN 1650	ASTM
BS EN 13623	E1052(2000)
BS EN 13697	BS EN 14476
BS EN 13704	(Norovirus)
BS EN 13727	

STERI-7



STERI-7 Ultra The High Level Disinfectant

STERI-7 Ultra is a high-level, broad-spectrum disinfectant specially developed for use in areas such as Clean Rooms and Laboratories and is manufactured to ISO 13485 standards for use on sensitive and delicate surgical instruments including heat labile endoscopes.

When applied, STERI-7 Ultra will kill up to 99.9999% of any pathogens present on surfaces within minutes. It can be used in both endoscope re-processor machines and open tank troughs and tests conducted by independent laboratories and leading manufacturers prove that STERI-7 Ultra will harm neither the sensitive instruments themselves nor the machines used to sterilise them.

STERI-7 Ultra contains none of the harmful characteristics of Glutaraldehydes, Phenols, Chlorine or Peracetic Acid found in other disinfectants and in fact is 100% organic, non-toxic and safe on most fabrics, soft metals and surfaces.



STERI-7



Biosecurity in your Dental Surgery

For busy modern dentists the risk of infection and microbial contamination is a major anxiety. The number of procedures they perform, their complexity and the need for fast patient throughput places high demands on dentists, their equipment and clinics.

Microbial contamination can originate almost anywhere; from direct mucosal contact between the patients, the dentist and the equipment to the production of aerosols containing biological material from ultrasonic scalers, air water sprays and even surgical procedures using high-velocity rotating instruments.

What's more, the rise of opportunistic biofilm forming organisms such as *Staphylococcus aureus*, *Pseudomonas aeruginosa*, plus *Legionella pneumophila* in the water units often used with dental equipment is a serious problem. The need to eliminate these and other microorganisms is paramount, as is the necessity to minimise the risk of transmission of bacterial and viral infections such as influenza, HIV, and Hepatitis B.

Strict hygiene protocols stipulated by the ADA Infection Control Guidelines are required to make sure that Dentists equipment and dental treatment rooms meet the criteria both between patient consultations and on a daily basis.

STERI-7 is a proven High level hospital/surgical grade disinfectant which provides fast, safe and effective decontamination of dental instruments and equipment. STERI-7 ensures high level hygiene between patient consultations and surgical procedures giving maximum safety and confidence.

Most importantly, STERI-7 uses Reactive Barrier Technology. This unique innovation allows STERI-7 to provide double protection against infection and contamination. When applied, it kills 99.9999% of the most commonly isolated microorganisms within seconds. At the same time, a reactive barrier is created that ensures that any germs subsequently introduced to it will also be killed just as effectively 24/7.

With efficacy against a wide range of opportunistic, pathogenic, biofilm forming bacteria and viruses, STERI-7 is available in a range of formats and sizes, as either ready to use disinfectants and wipes or in a concentrated form. STERI-7 also produces a full range of surgical level Personal Care products, including a hypoallergenic surgical level Hand Wash and Hand Disinfectant, catering for all sizes of dental practice or hospital or dental laboratory environment.

STERI-7

STERI-7 Biomist

A cloud of Biosecurity.

STERI-7 are introducing their powerful new 1250w ULV Biomister. Applying STERI-7 using the ULV Biomister causes the minimum of disruption and downtime. It can be used to treat large or small areas, hard to reach ceilings or walls all in a short space of time. After cleaning an area thoroughly, use STERI-7 ULV Biomister to kill up to 99.9999% of harmful superbugs such as Norovirus, Swine Flu, E.Coli, Salmonella, Legionella and many more. This provides clients with the total Biosecurity and peace of mind they deserve.

The process works by filling a room with a fine mist of 10 micron particles (1 micron = 1 millionth of a metre or 1 thousandth of a millimetre). As the particles settle onto all surfaces, even the ones never touched by conventional cleaning, STERI-7 continues to kill any surface contamination.

The art of good cleaning has always revolved around a visibly clean environment. Infection Control cleaning is a new method to remove, kill and prevent the things we can't see. Bacteria and viruses live among us in their millions. Unseen and unnoticed until they enter

our bodies and make us unwell, only then do we see the problem. Other infections such as Norovirus affect thousands of people each year, closing restaurants, businesses, schools, and hotels.

The STERI-7 Biomisting method enables us to safely disinfect any room or area, killing any harmful pathogenic organisms on surfaces up to 99.9999%. Bio-misting is part in STERI-7's BREAK, TREAT, PREVENT ideal to achieve full Biosecurity.

Using STERI-7 Hand Wash and Hand Rub helps **BREAK** the chain of infection endemic in many environments such as restaurants, hotels, building services, and even pre-surgery.

The application of STERI-7 Biocidal Disinfectant cleaner to all surfaces including fabrics, wood, metals and plastics will **TREAT** the contamination at source.

Finally, continued use of STERI-7 with Reactive Barrier Technology will help **PREVENT** any further re-infection between cleans.



STERI-7

HIGH LEVEL SURFACE DISINFECTANT CLEANER



BRILLIANT NEWS!

DEFRA raised the bar and we've cleared it!

DEFRA has toughened up its General Orders approval standard for disinfectants. It was thought that STERI-7 wasn't tough enough to pass.

Even though STERI-7 is recognized as a remarkable high level, broad-spectrum disinfectant cleaner.

Even though it has been proved time and time again that STERI-7 wipes out many common human and animal pathogens from MRSA, C.Diff and E.Coli (O157H), through Salmonella Enteritidis and Legionella Pneumophila to Aspergillus Niger and Equine Herpes EVH-1 and EVH-4.

And even though STERI-7 has an unprecedented 99.9999% kill rate against a huge range of harmful bacteria, viruses and spores.

Maybe it's because STERI-7 does all this without employing any of the normal harsh harmful ingredients required for DEFRA General Orders approval.

Maybe it's because STERI-7 is non-corrosive, contains no bleaching agents or oxidisers and is safe and tested for use on fabrics and soft metals.

Maybe.

But... 'isn't tough enough'?

We think not.

We prefer to think that we are tough enough and clever enough to only harm what needs to be harmed.

Nevertheless, DEFRA sets the standards and so we have improved STERI-7 to meet those standards.

The good news is WE DID IT.

The great news is we did it and then some.

So if you, your customers or your clients want to enjoy Government approved standards of hygiene through a disinfectant that's death to pathogens, look no further.



STERI-7 for use in the Agricultural Sector

Recent efficacy testing carried out by independent laboratories using the EN 14563 protocol, proved STERI-7 High Level Surface Disinfectant Cleaner to be effective in 3 minutes against *Mycobacterium fortuitum*, *Mycobacterium avium* and *Mycobacterium terrae* (Tuberculosis) under extreme conditions from 4°C to 40°C, at high dilutions and heavy soiling.

STERI-7 High Level Surface Disinfectant Cleaner is the most powerful weapon in the farmer's armoury. One of his biggest challenges is making sure that the bacteria levels on the farm stay manageable. STERI-7 is a specialist multifunction biocidal disinfectant. It has been developed to work in all sorts of conditions, especially those found on a working farm and has been proven to eradicate all sorts of problems from Avian Influenza, through to Mastitis and Morterello and eliminate a wide range of bacteria, viruses, spores and fungi such as *Aspergillus Niger*, *Rhodococcus Equi*, MRSA, *Salmonella* sp, *Streptococcus Equi*, Parvovirus, Ringworm and Equine Herpes EVH-1 and EVH-4.

STERI-7 High Level Surface Disinfectant Cleaner is ideal for animal housing and footbaths and can be used for fogging and power

washing. One application will kill up to 99.9999% of all the pathogens present within minutes. What's more STERI-7's unique Reactive Barrier Technology ensures that any germs subsequently introduced will also be killed.

STERI-7's unique properties ensure a cleaner and safer environment and used regularly STERI-7 will reduce the chances of cross contamination, helping reduce sickness in your animals and members of staff.

Yet despite being death to germs, STERI-7 is non-toxic, non-irritant and non-corrosive.

STERI-7 High Level Surface Disinfectant Cleaner products have been successfully tested by a number of industry recognised laboratories, including, DEFRA (General Orders), The Irish Equine Centre, The University of Ulster and The Animal Health Trust.



STERI-7 for use in the Equine Sector

The recent introduction of STERI-7 High Level Surface Disinfectant Cleaner to the Equine Market is a high level, broad spectrum, cleaner disinfectant, which signals the end of most harmful Viruses, Spores, Moulds and Bacteria. This will help all Equine professionals who are looking for that one product, which will help provide a clean, safe environment for their charges and ultimately 'Peace of Mind'.

STERI-7 High Level Surface Disinfectant Cleaner is one of the most advanced biocidal disinfectants to be introduced into the Equine marketplace and is the only product that has been independently tested (Irish Equine Centre) and proven to remain active for 14 days after application. This is because of an innovation called Re-active Barrier Technology (RBT), which allows STERI-7 to provide double protection against germs. When applied to a

stable wall, floor or door, all tack and even rugs and blankets, the biocide in STERI-7 kills the germs present. At the same time, a lasting barrier is created that ensures that germs subsequently introduced to it will also be killed, just as effectively 24/7.

Bringing Biosecurity to Horse-racing

STERI-7 has been used as an integral part of Biosecurity procedures at some of the world's top racing yards and prestigious stud farms.

STERI-7's safety profile

STERI-7's unique properties not only ensure a cleaner, safer environment for both user and their charges, the regular application of STERI-7 on surfaces will reduce the chances of cross contamination, helping reduce sickness in animals and staff and ultimately contribute to a more successful and profitable business.

STERI-7 is the disinfectant of choice for:

- Surfaces
- Water delivery systems
- Equipment
- Horse boxes
- Vehicles
- Horse blankets
- Aerial disinfection
- Stables

Proven broad spectrum efficacy

Independently proven highly effective against bacteria, viruses, spores and fungi. BS EN 1040, 1276, 1650, 13623, 13697, 13704, 13727 1404, 14347, 14348, 14349. QCT -1, -2, -2-M. ISO 10993 certified. Air Canada Test Protocol. DEFRA General Orders.

Testing was carried out using a wide variety of contact times, temperatures and under clean and dirty conditions.

STERI-7



STERI-7 Equine Medicated Shampoo

STERI-7 Equine Medicated Shampoo is an anti-bacterial soap free cleanser for the management of common equine skin conditions. Developed specifically for Equine use, STERI-7 Equine Medicated Shampoo is a multipurpose cleanser that lathers easily, gently cleansing the skin and

hair, removing debris and helping to manage contamination. STERI-7 Equine Medicated Shampoo is effective against gram-negative and gram-positive bacteria, yeast, fungi and spores. Use regularly to ensure a fresh, healthy, clean coat.

Wide range of applications

STERI-7 Equine Shampoo is an easy to rinse, soothing shampoo that is gentle on the skin. A highly effective shampoo, that is 100% organic, either perfumed or non-perfumed, detergent and soap free, effective in either hard or soft water, leaves no grease and is economical in use.

STERI-7 Equine shampoo is gentle enough to be applied directly to stubborn stains such as grass but effective enough to be diluted in warm water for an all over body wash.

STERI-7 Equine Shampoo is non-toxic, non-irritant and non-corrosive.

STERI-7 products contain highly potent anti-bacterial, anti-fungal and anti-microbial ingredients. PH-balanced and Hypoallergenic formulas will not burn or affect open wounds and are helpful in the forestalling and avoidance of bacterial and fungal skin infections.



STERI-7

In 2005, STERI-7 Worldwide was founded to find a practical cleaning and disinfectant solution which would kill bacteria, spores and viruses together with “Superbugs” such as MRSA, and Clostridium Difficile.

STERI-7 worked with a number of well-established scientists in this area and together they have developed STERI-7, a High-Level, Biocidal, Disinfectant Cleaner which kills pathogens up to 99.9999% efficacy.

Today STERI-7 offers comprehensive Biosecurity through a range of products including Anitiseptic Hand Wash, Anitiseptic Hand Rub and the Ultra range of products developed specifically for the cleaning and disinfection of intensive care units, medical devices, clean rooms, operating theatres, laboratories and Isolation Wards. All STERI-7 products are 100% organic and tested to and approved to BS EN standards.



STERI-7



Pioneering with integrity

The biocidal cleaner that out-performs all others.
For further information: 01932 237600 info@steri-7.com