



**Life
threatening
problems
need a
life saving
solution.**

CLEANKILL®

DIFFICIL-S®

The Advanced Disinfection Solution



DIFFICIL-S®
leaves surfaces
clinically clean
in just minutes.

How to prepare DIFFICIL-S®

DIFFICIL-S® is extremely simple to use: Just add one sachet of part A (red label) and one sachet of part B (blue label) to ten litres of cold water.

Stir well to produce a yellow-coloured solution. DIFFICIL-S® should only be used at this dilution rate of 1:400 with water.

To use, decant into the DIFFICIL-S® dispensers with colour triggers, which are provided for this purpose.

The stability of DIFFICIL-S®

After 30 months storage at 35°C in sachets, the product is still producing at or above its target chlorine dioxide output for a 1:400 dilution of 300ppm.

When DIFFICIL-S® is prepared at a 1:400 dilution in water and stored in a sealed container over

DIFFICIL-S® is one of the most powerful broad spectrum disinfectants ever developed, and is both safe and simple to use while still being low in cost.

Unlike other powerful cleaning agents, it can be safely used in most working environments without staff, patients or residents having to vacate the room.

Cleaning staff will be able to use this as a daily, dual purpose cleaner and disinfectant, for use on most surfaces, equipment and utensils, with the minimum of personal protective equipment.

The active component of DIFFICIL-S® is chlorine dioxide, present in the prepared product as a dissolved gas, in a solution with outstanding wetting properties. Spore penetration is readily achieved, and then the organism is swiftly killed by the potent destructive action of chlorine dioxide on the organism's internal chemical structure.

Where to use DIFFICIL-S®

- Hospitals
- Care homes
- Schools
- Doctors surgeries
- Dental surgeries
- Veterinary surgeries
- Restaurants
- Pubs and clubs
- Cruise liners
- All healthcare environments

When to use DIFFICIL-S®

Simply use as your every day surface cleaner/disinfectant.

DIFFICIL-S®
is safe
and simple
to use.





DIFFICIL-S® The Life Saving Solution.

a ten day period, it maintains its chlorine dioxide content in solution.

DIFFICIL-S® testing

DIFFICIL-S® has been independently tested by NHS laboratories at a dilution rate of 1:400 to give at least a 5 log, within five minutes, a reduction of 99.999% in the following;

- ✓ Clostridium difficile inc spores
- ✓ MRSA
- ✓ Listeria
- ✓ E.coli
- ✓ Salmonella
- ✓ Pseudomonas
- ✓ Mycobacteria (tubercle bacilli)
- ✓ Norovirus

The compatibility of DIFFICIL-S®

Various materials were immersed in a 1:400 dilution of DIFFICIL-S® for a period to check their compatibility.

There was no visual change to aluminium, brass, Formica work top, plastic, polypropylene, stainless steel and wood.

It can also be used on certain polypropylene carpets and soft furnishings*

The advantages of DIFFICIL-S®

Compared to other products which are commonly used for C.DIFF disinfection, DIFFICIL-S® has many advantages;

Safe - No unpleasant or harmful gas release at correct dilution.

Eliminates doubt - Use at one dilution rate everywhere, whatever the challenge.

Low bulk - Dilutes at 1:400. Two small sachets (2x12.5g) give ten litres ready to use cleaner/disinfectant.

Non corrosive - Near neutral ph with no damage to metal fittings.

Stable - Sachets are stable for 30 months.

Non carcinogenic - No cancer causing compounds produced by combination with organic waste.

* Go to www.difficil-s.com to check material compatibility.



DIFFICIL-S®
can be used on
all utensils and
equipment.



Test Results DIFFICIL-S® exceeds BS EN standards for Medical Area Disinfection.

DIFFICIL-S® has been extensively tested, with excellent pass results against all test organisms.

Test method combined BS EN 14348

Quantitative suspension test for the evaluation of mycobactericidal activity of chemical disinfectants in the medical area including instrument disinfectants.

with BS EN 13704

Quantitative suspension test for the evaluation of sporicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas.

Organism	Contact Time	Log Reduction
<i>Clostridium difficile</i> spores	clean conditions 1 minute 5 minutes	>6.82 >6.82
<i>Clostridium difficile</i> spores	dirty conditions 1 minute 5 minutes	4.38 4.61
<i>Clostridium difficile</i> spores	24 hours in 500ml container clean conditions 5 minutes	>6.82
<i>Clostridium difficile</i> spores	24 hours in 500ml container dirty conditions 5 minutes	4.79
<i>Clostridium difficile</i> spores	7 days in a 10 litre container clean conditions 5 minutes	>6.52
<i>Clostridium difficile</i> spores	7 days in a 10 litre container dirty conditions 5 minutes	4.12

ATS LABS Test

Viricidal efficacy of a disinfectant for use on inanimate environmental surfaces.

Organism	Contact Time	Log Reduction
Norovirus (Feline Calicivirus as surrogate)	5 minutes	>6.0
Canine Parvovirus	5 minutes	>5.0

Test method BS EN 14476

Viricidal quantitative suspension test for chemical disinfectants used in human medicine.

Organism	Contact Time	Log Reduction
Adenovirus	10 minutes	> 4.20
Poliovirus	5 minutes	>4.60

Test method BS EN 14348

Official test for myco-bactericidal activity of disinfectants in the medical area.

Organism	Contact Time	Log Reduction
<i>Mycobacterium terra</i>	5 minutes	>7.31

Test method BS EN 13697

Official test for the use in food, industrial, domestic and institutional areas, dirty or clean, conditions modified.

Organism	Contact Time	Log Reduction
Methicillin resistant <i>Staphylococcus aureus</i> strain ATCC 33591	1 minute	>5.91
<i>Salmonella typhimuium</i>	1 minute	>5.96
<i>Salmonella enteritidis</i>	1 minute	>5.90
<i>Listeria monocytogenes</i>	1 minute	>5.92

Test Method BS EN 1276

Official test for disinfectants in food preparation and in industrial, domestic and institutional areas.

Organism	Contact Time	Log Reduction
<i>Escherichia coli</i>	1 minute	>7.17
<i>Pseudomonas aeruginosa</i>	1 minute	>5.67
<i>Staphylococcus aureus</i> NCTC 10788	1 minute	>7.50
<i>Enterococcus hirae</i> NCTC 12367	1 minute	>7.50
Methicillin resistant <i>Staphylococcus aureus</i> strain NCTC 12493	1 minute	>7.50
<i>Corynebacterium phyogenes</i>	1 minute	>5.19
<i>Aspergillus niger</i> (BS EN 1650)	10 minutes	4.39
<i>Candida albicans</i>	1 minute	>5.59
<i>Proteus Vulgaris</i>	1 minute	>6.18
<i>Clostridium difficile</i> spores	5 minutes	>5.91
<i>Clostridium difficile</i> spores	1 minute	>5.91



*4 log reduction = reduced 10,000 fold

*5 log reduction = reduced 100,000 fold

*6 log reduction = reduced 1 million fold

*7 log reduction = reduced 10 million fold

DIFFICIL-S® has a Recommendation 2 from the Department of Health Rapid Review Panel.



DIFFICIL-S® is part of the CLEANKILL range of infection control products from Clinimax Ltd.

For more information on DIFFICIL-S® please contact us at:

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Training and Education.

We offer a comprehensive training programme on the use of DIFFICIL-S® supported by a training DVD.

See our website for more information.

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