

## Control Plus Wipes

### Specialised Cleaning and High Level Disinfecting Impregnated Wipes

#### Technical Information

#### Description & Application:

Control Plus is highly effective as a cleaner and terminal high level disinfectant (HLD) against bacteria, bacterial spores, fungi and viruses. The product is designed to eliminate the risk of cross-infection from viruses, fungi and bacteria. Control Plus does not simply render the microorganisms inert but has been demonstrated to kill these by disrupting the RNA of the microorganisms.

The wipes are safe to use on any surface and are odourless and non-staining.

#### Primary features attributable to Control Plus wipes are:

- Suitable for high level disinfection and cleaning, contains powerful germicides;
- Low toxicity, does not contain chlorine or aldehyde compounds;
- Highly effective over a wide range of viruses, bacteria, fungi, yeasts and molds, including MRSA, Hepatitis B and HIV agents;
- Highly effective against bacterial spores;
- Effective against the difficult non-enveloped type viruses such as Polio, Adenovirus and Norovirus;
- Non-selective;
- Versatile, simple to use and cost effective
- Powered by Control Plus which is approved by accredited laboratories.

#### Applications

Control Plus is ideal for removing biohazards in veterinary practices, nursing homes, laboratories, food preparation areas and any environment where the risk of cross-infection needs to be eliminated, e.g. cruise ships.

Control Plus is suited for cleaning and disinfection of hard surfaces, walls, floors, glasswork and contaminated laundry.

It can also be used to disinfect veterinary instrumentation.

#### Compatibility

Control Plus is compatible with a wide range of fabrics, rubbers, plastics and hard surface materials.

## Health & Safety

10% Control Plus solution is not flammable and is neither a known or suspected carcinogen, is non-hypoallergenic, and is fully biodegradable.

Control Plus + is certified as being non-fuming and non-hazardous when used according to the specified user directions.

Control Plus is intended for external use only.

10% Control Plus solution can be safely used in contact with skin and is classed as being non-irritant.

See Material Safety Data Sheets for details.

## Typical Properties

<b>Appearance</b>	Pale straw coloured liquid
<b>Odour</b>	Slight amine (fishy) odour
<b>pH, (typical)</b>	11.6
<b>Density, g/cm3 @ 20°C</b>	1.00 to 1.02
<b>Solubility in water</b>	Complete
<b>Flash Point (Abel closed cup)</b>	None

## Shelf Life

2 years in unopened original containers when stored between 5°C and 35°C out of direct sunlight.

Control Plus in contrast to other disinfectants is capable of penetrating the outer membranes of the bacteria and viruses and as a result renders the genome material within the cell inactive. This is in contrast to other disinfectants in the marketplace that are composed of chemicals that may well inactivate the cells for a period of time, preventing growth, but after a period the cells will regenerate and multiply.

Control Plus will inactivate the cell to the point where the RNA is destroyed and therefore preventing replication.

Control Plus will also attack all single strand transcriptase positive and transcriptase negative viruses within similar families.

Control Plus has been thoroughly tested by independent laboratories and demonstrated to be effective against gram negative and gram positive bacteria, viruses and fungi/yeasts.

### **Bacteria:**

Acinetobacter calcoaceticus  
Bacillus stearothermophilus  
Bacillus cereus  
Campylobacter jejuni  
Clostridium difficile  
Clostridium perfringens  
Enterobacter sakazakii



Enterococcus hirae  
Enterococcus faecalis Vancomycin Resistant (VRE)  
Escherichia coli  
Escherichia coli ESBL (Extended Spectrum beta-Lactamases)  
Escherichia coli - O157 Strain  
Legionella pneumophila (Sero Group 1)  
Listeria monocytogenes  
Methicillin resistant Staphylococcus aureus (MRSA)  
Pseudomonas aeruginosa  
Salmonella typhimurium  
Serratia marsescens  
Shigella sonnei  
Stenotrophomonas maltophilia  
Staphylococcus aureus  
Vibrio parahaemolyticus  
Yersinia enterocolitica  
Mycobacterium terrae (Note – has been used for testing against TB)  
Mycobacterium tuberculosis

**Viruses:**

Avian flu (Bird Flu – Strain H5N1)  
Hepatitis B and C  
HIV-1 virus  
Influenza virus (Strain H3N2)  
Parainfluenzae 3 virus,  
Polio virus  
Vaccinia virus,  
Feline Calicivirus (Human norovirus surrogate)  
Adenovirus

**Spores:**

Bacillus cereus  
Clostridium difficile  
Clostridium perfringens

**Fungi and Yeasts:**

Aspergillus niger  
Candida albicans  
Microsporum canis  
Microsporum gypseum  
Trichophyton equinum  
Trichophyton mentophytes

**Directions for Use**

Pre-impregnated Control Plus wipes are supplied in containers and are ready to use direct from the container.

**Application:****General Surface Cleaning:**

Take a wipe and wipe gently over the whole area to be cleaned. Allow a minimum contact time of 1 minute before wiping clean to remove grease, blood and organic debris. Removal of stubborn deposits may be assisted by the use of a stiff bristle brush. Rinse treated surface with clean water if required.

Note: Food preparation surfaces should be allowed to dry before use.

**For Disinfection of veterinary instruments and equipment (Manual procedure):**

Wipe all surfaces of the instrument (preferably disassembled, where applicable) using a pre-impregnated Control Plus Wipe and allow the fluid to remain in contact for at least 5 minutes. Examine the instrument and wipe or brush clean to remove debris that remains. Rinse treated instrument in cold water and allow to dry. Replace used Control Plus wipes frequently or when gross soiling of the wipe becomes evident.

**Animals:**

Areas where animals are kept should be regularly cleaned and disinfected using diluted Control Plus to ensure good animal welfare.

**Contact Details**

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*For any further information, please contact your distributor or Sychem.*

**Approval & Test Data for Control Plus**

**1. Approvals.**

1.1 Control Plus has been satisfactorily tested by leading laboratories for viral, bacterial and fungi testing.

- Micropathology Ltd, Coventry;
- H.I.R.L (Hospital Infection Research Laboratory) City Hospital Birmingham
- Bodcote Materials Testing, Law Laboratories, Birmingham.
- Texcell Laboratory (Part of Institute Pasteur®), Paris, France
- Health Protection Agency, UK.
- Retroscreen Virology Ltd (Queen Mary Hospital, University of London)

1.2 Control Plus has been satisfactorily tested as a disinfectant and approval granted by the UK Department for Environment, Food and Rural Affairs (DEFRA) for the following:

- General Orders, as defined in the Diseases of Animals (Approved Disinfectant) Order 1978 at a dilution of 1 part disinfectant to 19 parts of water.
- The Disease of Poultry Order and The Avian Influenza and Influenza of Avian Origin in Mammals Order at a dilution rate of 1 part disinfectant to 9 parts of water.

## 2. Test compliance

2.1 Testing carried out according to;

- BS6471,
- BS6424,
- BS6905,
- EN 13727(2003),
- EN 14348, and
- AFNOR (EC) procedures.

2.2 Control Plus has been tested for bactericidal efficacy according to BS EN 1276 (European Suspension Test) and demonstrates a  $> \log 5$  reduction in counts at 20 ° C for all three time intervals selected.

2.3 Basic fungicidal and yeastical activity tested in accordance with BS EN 1275 (European Suspension Test) and demonstrates a  $> \log 5$  reduction in counts at 20 ° C after 1, 2 and 5 minute contact times.

2.4 Sporicidal Efficacy tested in accordance with BS EN 14347 and achieved  $> 5 \log 10$  reduction in all test organisms for all contact times down to 1 minute.

2.5 Sporicidal Efficacy tested in accordance with BS EN 13704 and achieves a  $> 3 \log 10$  reduction in all test organisms for all contact times down to 1 minute.

2.6 Virucidal activity tested according to norm NFT 72-180 and passes requirement ( $> 4 \log 10$  reduction at 1 minute exposure).

2.7 Bactericidal Efficacy for disinfection of medical instruments tested in accordance with BS EN 13727 and achieved  $> 5 \log 10$  reduction in all test organisms.

2.8 Bactericidal and Fungicidal Efficacy in food, industrial and institutional areas tested in accordance with BS EN 13697 and achieved  $> 5 \log 10$  reduction within a 5 minute contact time.

2.9 Complies with BS ISO 4120:2004, food taint test.

2.10 Feline calicivirus (Human norovirus surrogate), polio virus and adenovirus tests carried out in accordance with test standards EN 14476.

2.11 Bactericidal efficacy against *Mycobacterium tuberculosis* established using BS EN 14348.

**Note: Sychem Control Plus is NOT a medical device, and is not approved by MHRA for any human medical instrument decontamination.**

