



Infection Control Solutions Which Give Time Back To Care

A Buying Guide For Hospitals



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How Does Infection Control Impact Nursing Efficiency?

Your nurses know the importance of infection control and follow your precautions to the letter. However, as a result, there's a seemingly unavoidable impact on the time that can be spent at the bedside of patients.

How does this happen and – most importantly – how can we give that time back to hands-on care?



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Hospital patients rely on effective bedside care in order to feel safe, comfortable and meet positive clinical outcomes.

Nobody understands this better than your nursing team. Highly trained in the importance of psychosocial duties alongside administering hands-on medical treatment and personal care, the role of a nurse is as critical as it is complex.

These essential responsibilities are a challenge to juggle, however, even for the most senior clinician.

From staffing shortages to busy wards at maximum capacity, nurses are under constant pressure to balance a heavy workload. This often means that valuable time at the patient's bedside is sacrificed for more urgent duties.

In any healthcare environment, infection control precautions are essential to keep patients and clinicians safe from HCAs. Nevertheless, they take time.

Managing human waste, in particular, puts constant pressure on busy hospital wards. Where numerous patients may be bed bound, nurses must be quick to act on the toileting, washing and cleansing needs of those in their care. This doesn't just involve helping patients to use bedpans and commodes, for example - there's a lot that must happen after, too.

Taking the bedpan to the sluice room, disinfecting (or disposing of) the item, removing soiled PPE and thoroughly washing one's hands is a time-consuming ritual that must take place tens of times a day. This is merely one infection control task on top of countless others which necessitate hand washing, surface sanitation and careful equipment handling. The requirements are essential, yet relentless.

However, with the right tools, time management can be made easier – without compromising your high standards.

The development of infection control technology is fast paced. Infection control experts such as DDC Dolphin are constantly serving innovation in the infection control market, allowing hospitals and other healthcare providers to tackle the difficulties associated with labour-intensive infection control tasks and time management.

The guide will help you to choose new, invaluable infection control solutions which will empower you to give time back to care.



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The Pulpmatic Eco+ Macerator

The Pulpmatic Eco+ is the most hygienic, environmentally friendly and economical macerator on the market.

A medical pulp macerator like no other, the Eco+ uses the latest technological advancements to dispose of pulp bedpans and human waste quickly and easily, as well as increasing protection against HCAs and heightening efficiency.

At its core, the Eco+ delivers a safe and powerful method of disposal. Its advanced five blade macerator disc provides rapid, low-noise, fine maceration in a cycle lasting from just 85 seconds.

Minimising infection risk is a hallmark of the Eco+. The entire machine is built to mitigate cross-contamination by being:

- Fully contactless to operate
- Constructed using MicrobeSafe+ technology which actively prevents microbes from multiplying on its surfaces
- Equipped with an antimicrobial LCD screen which guides the user through correct use of the machine, without the need for touch
- Armed with an 'Infection Control Mode' that will dose the antimicrobial chemical into the machine at a higher concentration to combat C. diff, norovirus and listeria.

Time-Saving Benefits

- Advanced cutting blades for quick, 85-second maceration cycles
- Clear user interface which transcends language barriers to provide a visual guide to operation, minimising training requirements and delays
- Click and Fit detergent and disinfection system which, when secured on the outside of the machine, triggers status updates when the machine is running low on chemicals
- Hands-free auto-start to improve overall process speed.



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The Pulpmatic Eco+

A True Innovator in Infection Control

The culmination of more than 30 years' experience in sluice room product development, the Pulpmatic Eco+ is a market-leading medical pulp macerator which builds on DDC Dolphin's expansive knowledge of user and facility requirements to launch a new standard in infection control.

1 Free-Flowing Drainage

The Eco+ can process up to 4 large pulp items in just 85 seconds, using just 13 litres of water. Where a site has poor drainage provision, Eco+ can be configured at installation to run a longer 120-second, 26-litre cycle to ensure that macerated pulp always drains freely.

2 Fully Contactless Operation

The new Eco+ hand sensor is unaffected by light, does not require calibration and even has an adjustable detection range to suit requirements.

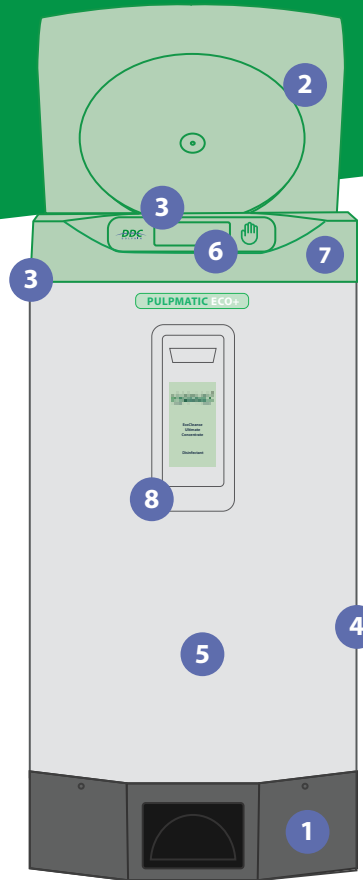
Using the hand sensor or foot cup to open the lid, as well as the auto-start feature, ensures fully contactless operation to prevent cross-contamination.

3 Enhanced Anti-Microbial Protection

The Eco+ is constructed using advanced MicrobeSafe+ antimicrobial materials which prevent the growth of bacteria on its surfaces. By breaking down dangerous microbes on contact, the unit remains hygienically clean.

5 Improved Cutting Performance

The average particle size of pulp macerated by the Eco+ is less than 3mm. Re-developed blades and a static 'Turbulator' on the drum will ensure that pulp is discouraged from spinning with the blades and ensures higher impact – leading to less blockages.



4 Internal Overflow & Blockage Alert

For enhanced infection control, the Eco+ features a 32mm internal overflow to eliminate the need for dedicated overflow plumbing. Meanwhile, a periodic overflow rinse will alert the user if a blockage is found.

6 Clear User Interface

Clinicians will find the Eco+ easy and intuitive to use, thanks to a clear, 5-inch LCD antimicrobial screen, which guides the user through the status of a maceration cycle, correct items to load, cycle time remaining and, when required, error information. These visual instructions will transcend language barriers and prevent breakdowns through accidental misuse.

7 Futureproof Diagnostics

An enhanced control system ensures your macerator can be adapted to suit your specific requirements, while service engineers maintain quick access to the machine log, allowing them to assess the machine function and offer guidance to facility managers and users – helping to identify future faults that are caused by user error.

8 Click and Fit Detergent System

No more mess! Chemical bottles can be easily slotted into the front of the Eco+, without the need to juggle large containers. In addition, status updates when the chemical is running low will allow you to ensure that the machine always works at its optimum.

Those who care for vulnerable patients will be reassured that Click and Fit bottles lock into place when fitted, keeping chemicals out of harm's way.



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UVMATIC® and UVMATIC® Plus Air Purification Systems

The UVMATIC® and UVMATIC® Plus operate completely autonomously to destroy airborne bacteria and viruses – 24 hours a day, 7 days a week.

Supporting the hard work of your nurses to manage infection risks, the UVMATIC® and UVMATIC® Plus cleanse the air using UV light and photocatalytic oxidation. Proven to destroy viruses such as influenza, as well as bacteria including E. coli and salmonella, the UVMATIC® and UVMATIC® Plus will not only improve hygiene, but keep your environment smelling fresh, too.

The UVMATIC®

The UVMATIC® is a **wall mounted air purifier**, ideal for use in sluice rooms, washrooms and corridors. Even with the most vigorous and regular cleaning, odour can linger which can give the impression of poor hygiene standards. The UVMATIC helps to resolve persistent odour problems by destroying bacteria in the air and on surfaces, which also reduces the prevalence of infectious illness.

The UVMATIC® Plus

The UVMATIC® Plus is a **portable, industrial strength air purifier** which is light and easy to carry. A built-in timer can be programmed to disinfect either continuously or in ten-minute increments, allowing clinicians to multi-task while the air purifier works in the background. Used by hospitals around the world, you can trust the UVMATIC® Plus to remove bacteria and odours from the air and surfaces, be it for one off-cleaning of a room or included in your daily cleaning programme.



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Harnessing UV Technology For A Safer Future

The UVMATIC® and UVMATIC® Plus apply the latest UV technology to kill bacteria effectively, without the need for harsh chemicals.

Completely automated and chemical free, the UVMATIC draws in the polluted air and treats it using UV light and photocatalytic oxidation. This results in the production of 3 powerful odour-fighting ingredients:

- **Photoplasma** - eliminates bacteria, viruses, mould and microorganisms
- **Ozone** - a highly reactive and energised oxygen which disinfects the air
- **Negative ions** - increases the efficiency of the process, removing airborne impurities and dust.

This technology is proven to kill the environmental bacteria that cause malodours, leaving the room smelling fresh and clean, while improving hygiene.

Time-Saving Benefits

- **24/7 operation** providing total support to your existing cleaning regime
- **High quality UV bulb** which requires little maintenance, yet provides 9000 hours of worry-free air cleansing
- **Completely autonomous**, allowing clinicians to benefit from a more hygienic environment without adding to their workload.



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Hygenex® Recoat® Antimicrobial Coating System

Antimicrobial surfaces protect users by creating a hygienic environment which prevents the spread of infection.

By applying the Hygenex® Recoat® Antimicrobial Coating System to your hard surfaces, you will eliminate bacteria and viruses for up to six months.

The antimicrobial coating works by incorporating silver ions, the very latest in antimicrobial technology. Antimicrobial protection is incredibly efficient at killing viruses, bacteria and fungi – disrupting them at a cellular level. The process could not be simpler:

- Germs land on an antimicrobial protected surface
- The antimicrobial ingredient within the surface breaks down the infected/infectious cells
- The germs die and are unable to reproduce.

Antimicrobial technology is a reliable form of passive protection. It goes on working 24/7/365 – with or without you – underpinning all the important cleaning and sterilisation work you do. While you continue with your standard cleaning regime, Hygenex® Recoat® provides an additional, powerful layer of protection.

On average, one bottle of Hygenex Recoat Antimicrobial Protector will cover 200-300 door handles and around 500 light switches, providing excellent value for money.



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How To Use The Hygenex® Recoat® Antimicrobial Coating System

Hygenex® Recoat® can be used to protect the touch points in your hospital, including door handles, light switches and screens, as well as any other hard surface.

It can be applied to almost all substrates, including:

- | | |
|-------------------|-----------------|
| • Stainless steel | • Most plastics |
| • Aluminium | • Gglass |
| • Copper | • Ceramics |
| • Zinc | • Wood |
| • Chrome | • Foil |

The system is simple to apply, using two water-based solutions:

- Spray the Surface Cleaner onto the surface or item you want to protect
- Clean surface thoroughly removing all dirt and grease
- When dry, spray the Antimicrobial Protector over 80% of the surface
- Spread evenly over the surface using a damp microfibre cloth
- Leave to dry (touch dry in 15 minutes, ready to use in 3 hours).

Once dry, the surface is antimicrobial. The antimicrobial coating will last up to six months, providing essential protection against bacteria and viruses, such as **E. coli** and **coronavirus**.

For additional peace of mind, presence of the antimicrobial coating can be identified with a UV light. For future top-up applications, just repeat the process.

Time-Saving Benefits

- **Up to six months of protection**, underpinning the hard work of your clinicians, alongside their existing cleaning regime.
- **Coating can be detected using a UV light**, preventing unnecessary top-ups.
- **Quick-drying formulation**, simplifying the initial coating process.



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Hygenex® Maceratable & Flushable Wipes

The Hygenex range of wet and dry wipes provide healthcare professionals with a high-quality product which can be disposed of in bedpan washers, macerators, slop hoppers or toilets.

What's more, your conscience can be clear knowing that they are made from 100% natural materials which will quickly break down into non-toxic components, causing no harm to the environment – or your plumbing systems!

Whilst many competitor products can claim that they are biodegradable, this simply means that they will eventually break down into smaller pieces by natural processes. In reality what this means is they decompose into microplastics, further polluting our already dangerously damaged natural environment. Hygenex wipes are fully compostable – they completely break down and disperse into 100% organic matter when disposed of in bedpan washers, macerators, slop hoppers or toilets.

Hygenex Wet Wipes

Hygenex wet wipes are skin cleansing wipes for use on hands, body and face. Made entirely from naturally derived ingredients, these wipes are suitable for all skin types including sensitive skin.

Hygenex Dry Wipes

Hygenex dry wipes are all-purpose wipes suitable for general surface and skin cleansing. They are soft when dry and highly absorbent, yet strong and smooth when wet.

Time-Saving Benefits

- **High quality**, allowing clinicians to complete personal care tasks efficiently, without wipes ripping or tearing
- **Can be disposed of quickly and easily** inside bedpan washers, macerators, slop hoppers or toilets
- **Multi-functional**, making light work of additional hygiene tasks including surface cleaning.



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DDC
DOLPHIN

Hygenex® Maceratable & Flushable Wipes

Hygenex Wipes	Competitor Wipes
100% natural cellulosic materials (wood pulp and viscose)	Synthetic plastic fibres (polyester or polypropylene)
Bonded with high pressure water jets)	Bonded with plastic adhesive which does not degrade
Biodegradable	Biodegradable... eventually... into microplastics
Compostable – breaks down completely into non-toxic components	Not compostable
Easily macerates	Harder to macerate, therefore more likely to cause pipe blockages
Completely disperses within 1 hour when flushed	Does not disperse when flushed, leading to sewer blockages including 'fat bergs'
Flushable	Not flushable
Very absorbent	Poor absorption
Over 15% stronger than competitors	Poor material integrity
Passes EDANA flushability tests and INDA standards	Passes EDANA flushability tests and INDA standards
24 wipes per wet pack, 75 wipes per dry pack	24-50 wipes per wet pack, 50-75 wipes per dry pack
Soap, lanolin and alcohol free	
pH balanced, dermatologically tested, hypoallergenic and suitable for sensitive skin	



Maceratable

Can be disposed of in medical pulp macerators without causing machine blockages.



Flushable

Can be flushed away directly into the drainage system without causing blockages.



100% Biodegradable

Rapidly break down into non-toxic substances by natural processes.



Water Dispersible

Begin to disintegrate within a short period of time when placed in water.



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Why Choose DDC Dolphin?

DDC Dolphin are trusted by major hospitals all over the world.

You can have confidence in our ability to protect your facility against infection, empowering you to give **time back to care.**

Read on to discover why.



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30 Years At The Pinnacle Of Infection Control Innovation

DDC Dolphin was founded with the purpose of safeguarding vulnerable patients, care home residents and front-line clinicians from the risk of infectious diseases through engineering innovation.

Since 1991 we have designed, engineered and continually developed sluice room machinery, including bedpan washer disinfectors, medical pulp macerators and incontinence product macerators.

Our in-depth knowledge of infection control has since equipped us to branch out into supplementary hygiene products, including air purifiers, antimicrobial coating systems and wipes.

We manufacture all our sluice room equipment at our UK headquarters based in Poole, Dorset, and export our products all over the world; providing a one-stop-shop for all your sluice room requirements.

In the UK we have an unrivalled nationwide network of service and maintenance engineers who help to ensure the maximum uptime of your sluice room. Through our 360° Care Cover packages you can get preferential access to these skilled engineers, plus a brand-new machine and a 5-year service and maintenance plan – all for a low monthly cost.

Our priority is always to do what's right for our customers and to keep your sluice room up and running. That's why we also service, maintain and repair sluice room equipment by all other manufacturers – even if they no longer support the product themselves.



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