

Complete care

Reducing healthcare associated infections by offering the best innovative infection prevention products together with market leading after sales support. "GAMA Healthcare has provided an excellent service and their organisation-wide training programme is especially commendable."

Clinical Lead Infection Prevention and Control, Nottingham University Hospitals.

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INTRODUCTION

GAMA Healthcare is at the forefront of infection prevention and control technology. Our products are trusted by the NHS to be effective and easy to use, which is why GAMA Healthcare is the leading wipe supplier in the UK. We apply this expertise to over 60 countries worldwide.

Why choose GAMA Healthcare?

Hospitals are under even greater pressure to further reduce Healthcare Associated Infection (HCAI) rates than at any time previous, and are having to do so under greater public scrutiny and tighter budgets.

Choosing the right products and the right company is vital for hospitals as they strive to reach these goals. You can trust GAMA Healthcare to rovide high-quality, innovative products and an after-sales service that is simply world class.

GAMA Healthcare believes in working with you to help reduce HCAI rates and achieve your targets to protect public health. We work closely with experienced IPC professionals to develop and provide the best products, training, brochures and on-site resources available.

A study group of over 20 senior IPC professionals worked with us to help create our revolutionary, tablet-based Training Package. Our comprehensive, interactive Training Package is an integral part of the training we offer to all nursing and housekeeping staff – alongside our specialist IPC Nurse Trainers.





Infection Prevention

The Clinell product range combines innovative technology with ease of use, providing healthcare professionals with the most effective solutions available.

Clinell's product claims are supported and verified by the strongest data package within the market. Clinell is the most trusted wipe brand in the UK, offering market-leading aftercare support and comprehensive training.

THE BENEFITS OF CLINELL

Clinell disinfectant wet wipes consistently deliver a stable and effective dose of disinfectant that has been tested and proven to kill microorganisms within realistic contact times and conditions – unlike solutions, sprays and dry wipes.

Hoffman checklist

It can be difficult and time consuming to evaluate which of the many formulas and systems are effective and which will work best for your Trust.

Dr. Peter Hoffman (Consultant Clinical Scientist, Antimicrobial Resistance and Healthcare Infections Reference Unit, Public Health England) in his presentation 'Wipe it out: The evidence for selection & use of disinfectant wipes' recommended the below checklist which IPCNs could use to help evaluate potential IPC manufacturers:

1. Effective formula

It is important that the IPC company adequately explains how the formula works. Explain what the active compounds are and outline their relationship with common bacteria. How the formula reacts with different wipe fibre compositions is of equal importance, especially when discussing solutions and sprays.

"Sometimes the fabric of the wipe can inactivate the disinfectant."

2. Relevant testing

It is vital that the claims made and results advertised are from tests on liquid expressed from the wipe and not on solutions to be applied to wipes.

"Suspension tests simulate specific use situations (none of which are similar to wipe conditions)."

3. Realistic contact times

"A disinfectant test is a single, repeatable, highly controlled situation. Real life is not."

All data should be readily available and relevant. European standardised tests are often performed in unrealistic time periods and conditions. The data should reflect achievable contact times and conditions, not just headline method and results.

"Tests can be done either in 'clean' or 'dirty' conditions. 'Clean' is easier to pass. 'Dirty' is more difficult but may simulate user conditions, such as commodes, better."

4. Scientifically validated

It is important that the manufacturer has an experienced and reputable microbiologist who is available to explain the importance of all aspects of the formula and relevant testing from culture preparation to neutraliser validation.

5. Training

Comprehensive training on the correct use and best practice for products should be made available.

6. Published user studies

Reputable IPC companies should be able to undertake and publish practical user results for their products (phase 3 testing).

7. Complies with regulations

All products should comply to current product safety regulations and occupational health considerations and guidelines.

GAMA Healthcare is confident that it conforms to all these requirements and will continue to maintain full transparency on all testing and formula characteristics.

THE IMPORTANCE OF GOOD CLEANING

In England's acute hospitals, 1 in every 16 patients will have a Healthcare Associated Infection (HCAI)¹. Infected patients shed harmful microorganisms into the environment, which can be transferred to patients, visitors and staff.

Why should we clean?

Every year, over 4 million people in Europe acquire a Healthcare Associated Infection – with 37,000 dying as a direct result². For patients, HCAIs are dangerous, life-altering and potentially fatal. For hospitals, HCAIs put limited resources under phenomenal strain.

Enhanced cleaning practices are reported to save hospitals between £30,000–£70,000 per annum³.

A number of investigators have highlighted the importance of environmental contamination in the transmission of clinically relevant pathogens such as *C. difficile* and MRSA⁴⁻⁸. That is why surface disinfection is now a corner stone of international infection prevention policies.

The most common source of microorganisms in a hospital setting are the patients themselves; infected and colonised patients (and hospital staff) shed bacteria, viruses and spores into the hospital environment. Studies have shown that, after seven days in a hospital, 62% of all patients were positive for enterococcal hand contamination⁹ and 39% of patients have at least one hospital-associated pathogen on their hands within 48 hours of admission¹⁰.

In the hospital environment, areas near the patient and high-touch surfaces have been found to harbour microorganisms, increasing the risk of infection^{4,8,11-13}.

Adequate cleaning and/or disinfection of these surfaces (bedrails, commodes, door handles, light switches, patient call button, surfaces and equipment in close proximity to the patient) have been shown to be of particular importance¹³⁻¹⁵. Hand hygiene before and after touching these surfaces is often inadequate¹⁶.

Many organisms responsible for HCAls including MRSA, *C. difficile*, norovirus and vancomycin-resistant enterococci, survive and persist on hospital surfaces at concentrations sufficient for transmission and transference to the hands of healthcare workers¹⁷.

The inherent structure of a *C. difficile* spore allows it to resist environmental stresses such as drying and disinfection, allowing it to persist on surfaces for more than five months^{17,18}.

There now exists an increasing body of knowledge which highlights that improved infection prevention practices can help break the chain of transmission¹⁹. A review of the epidemiological and microbiological data regarding surface disinfection was undertaken by Rutala and Weber,¹¹ with the authors recommending routine cleaning and disinfection of surfaces.

Contaminated hospital surfaces and environments play a key role in the transmission of *C. difficile*. Enhanced environmental cleaning with sporicidal agents of rooms housing *C. difficile*-infected patients is warranted¹¹.

Studies have shown that when cleaning is sub-optimal, it can place patients, staff and visitors at risk²⁰. A valid infection prevention intervention will reduce the microbial burden in the environment and hence the persistence of the organism, which can only be achieved with appropriate cleaning and disinfection programmes^{3,8}.

Improved cleaning and disinfection of room surfaces decreases the risk of healthcare-associated infections¹¹.



THE IMPORTANCE OF GOOD CLEANING

The molecular structure of the dry wipe can bind active components of the disinfectant – preventing their release to the surface²¹.

Solutions, sprays and dry wipes are ineffective

DRY WIPES CAN INTERFERE WITH THE ACTION OF COMMON HOSPITAL DISINFECTANTS²¹.

It is difficult to achieve consistent disinfectant coverage with sprays. It is even more difficult to activate consistent disinfectant coverage with dual-chamber sprays.

Solutions are often mixed inconsistently and many disinfectants can be less effective when you dip soiled cloths into the solution.

The efficacy testing on disinfectant sprays and solutions have been performed on the liquid. However, dry wipes are made of either synthetic or natural materials which can bind to the biocide, changing the concentration of the active disinfectant that is released.

This means that the liquid coming off the dry wipe may not be the same as the liquid that went into it. For example, it has been shown that the use of quaternary ammonium compounds (QACs) with an inappropriate type of fabric will effectively abolish its antimicrobial activity²².

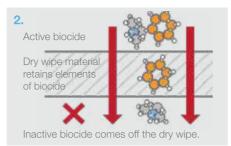
It is common to use sprays at an angle, to shoot down onto the surface. When using dual-chamber sprays at an angle, more solution will enter the head from one chamber than the other. This creates an inadequate mix that can lead to a suboptimal concentration of biocides.

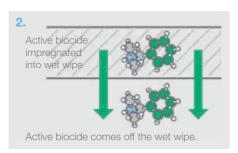
In a laboratory setting the biocide may not be tested from a dual-chamber spray bottle, hence the test data may not reflect practical, in-use, conditions. In addition to affecting the efficacy of the biocide, inconsistent mixing increases wastage – reducing the number of uses and resulting in increased cost.

The final mixed solution of some two part sprays is gel based. This gel can build up over time, clogging the nozzle and inhibiting the spray. Blocked nozzles lead to even greater inconsistency of coverage than usual.

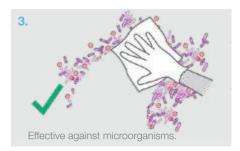








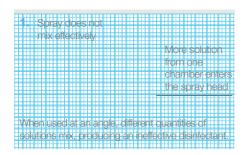


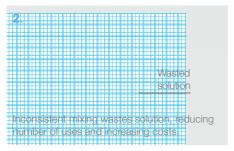




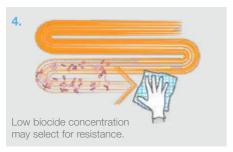
There is evidence that chronic inhalation of chlorine can increase the risk of lung fibrosis²³.

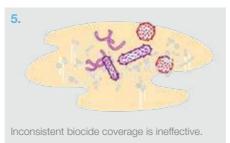
Dual-chamber sprays and wipes









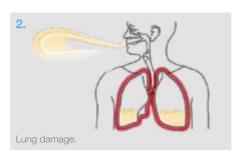




Health Issues









TOXIC FUMES FROM CHLORINE CAN AFFECT THE LUNGS, EYES, NOSE AND THROAT.

All disinfecting procedures must include a risk assessment of potential toxicological hazards. Chlorine is hazardous to both user and patients, emitting toxic fumes and by-products. Chlorine inhalation has been shown to cause obstructive lung disease, eye irritation, nasal complaints, cough and skin complaints²³.

THE IMPORTANCE OF GOOD CLEANING

93% of all reusable cloths, tested after laundry, were found to still have viable microorganisms.²⁴

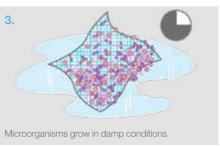


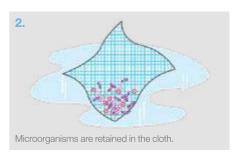
Issues with reusable cloths

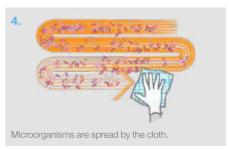
OVER TIME, DAMP CLOTHS BREED MICROORGANISMS. THESE ARE THEN TRANSFERRED ONTO SURFACES WHEN CLOTHS ARE RE-USED.

When using the same cloth throughout the day it usually remains damp in between uses and therefore drying out of the cloth is often incomplete. This leaves small areas of dampness within the cloth which can lead to growth of mould and bacteria. These microorganisms can then be spread around surfaces when the cloth is re-used.





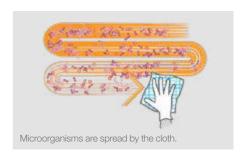




Clinell wet wipes consistently deliver a stable, effective dose of disinfectant, which has been tested and proven to kill microorganisms within realistic contact times and conditions, unlike solutions, sprays and reusable cloths.



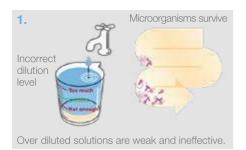




Hospital laundering practices are not only insufficient at removing microorganisms but may also even add contaminants to reusable cleaning cloths²⁵.

Over dilution creates an ineffective, weak solution. Under dilution creates a strong solution that may damage equipment. Dirt within the solution and on the surface makes chlorine ineffective.

Dilution errors with liquids, powders & tablets





There is always a risk of user error when making up a chlorine solution every day.



4. Organic matter Microorganisms survive

Organic matter binds to chlorine, reducing efficacy.

Dilution errors can easily occur when preparing disinfectant solutions. An error in using too much water when mixing up a solution can result in a disinfectant that is too weak and ineffective.

Conversely, using too little water results in a solution that is too strong, toxic and harmful to both surfaces and the user.

Chlorine is ineffective in dirty conditions; dirty surfaces will need to be precleaned²⁶. Clinell Universal and Sporicidal Wipes contain detergent and biocides, which clean and disinfect in one step.

Chlorine breaks down over time and, since it is common practice to leave the mixed up solution for many hours whilst using it, this often results in an ineffective solution. When a cloth is dipped back into the bucket, organic matter is introduced – accelerating the breakdown of chlorine.

These issues can all lead to a significant variation in the concentration of chlorine. With a wet wipe you get a standard, consistent concentration that is always correct – no matter how and when it is used.

Different cloth materials can affect detergent and disinfectant solutions in different ways. You can never be sure (unless tested) that the solution coming off the cloth is the same as the solution that went into it²¹.

The adsorption of chlorine-based products by cloths has been clearly demonstrated²⁷. This means that the concentration of solution released from the cloths may be much lower than the solution tested in the laboratory.

At GAMA Healthcare we always test the liquid released from the wipe so that there is 100% certainty that the solution on the surface works effectively.



THE IMPORTANCE OF GOOD CLEANING

Good cleaning practices reduce microorganisms in the environment, which can lead to a reduction in incidence of HCAIs, protecting patients, staff and reducing hospital spending.

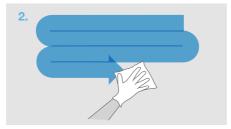
How to clean

THE MOST EFFECTIVE WAY TO KEEP A SURFACE CLEAN IS TO FOLLOW THESE STEPS:

- 1. Wash and dry hands.
- Perform a risk assessment and choose the appropriate Personal Protective Equipment (PPE).
- Select the correct wipe for the task. Only take one wipe.
- **4.** Remove any heavy soiling as this can reduce the effectiveness of disinfectant wipes.
- **5.** Wipe all surfaces including the underneath, paying special attention to 'high touch' points.
- **6.** Wipe from top to bottom, going from clean to dirty in an 'S' shaped motion.
- 7. Dispose of wipe between each separate surface or if it becomes dry or soiled.
- **8.** Remove any PPE then wash and dry hands.
- **9.** Apply indicator tape/note if this is local policy.



Do a risk assessment, wear recommended PPE. Take one wipe from the pack.

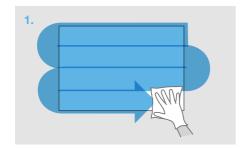


Working from clean to dirty, wipe in an 'S' shaped pattern, taking care not to go over the same area twice.

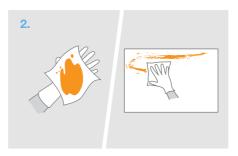


Change wipe if it becomes dry or soiled and dispose of in the appropriate waste bin. Let the surface air dry.

Reducing transference



Wipe in an 'S' shaped pattern, from clean to dirty, to avoid wiping over a previously cleaned area. This reduces the amount of microorganisms that can move from a soiled area onto a clean area, within the surface.



The microorganisms are retained on the wipe after cleaning.

Never wipe two surfaces with one wipe as this will transfer microorganisms from one surface to another.



Always dispose of a wipe after it becomes soiled, or in between the cleaning of two surfaces to avoid transferring microorganisms from one area to the next.



Everyday Surface Care

Clinell offers a complete range of products to clean and disinfect surfaces and medical devices. Whether you need a powerful environmentally friendly detergent, a proven combined wipe which cleans and disinfects, or the rapid acting low-smear disinfection of alcohol wipes – Clinell has the best solution for you.

UNIVERSAL RANGE

Wipes for surface disinfection and cleaning of non-invasive medical devices.



The most effective universal formula on the market

A mix of biocides with different mechanisms of action prevents bacterial resistance and superbug formation²⁸.

Multi-purpose

Acts as both a disinfectant and detergent, replacing the need for different types of wipes and surface cleaners.

Cost effective

Saves money by replacing multiple cleaning products.

Proven to be bactericidal, virucidal and fungicidal

Effective against MRSA, *E. coli*, *A. baumannii*, VRE, *K. pneumoniae*,

Norovirus, *P. aeruginosa*,

Hepatitis B & C and many more.

Excellent material compatibility profile

Ideal for use on mattresses and safe to use on most types of rubber, plastic and metal.

Clip opening to prevent drying

Keeping your wipes wetter for longer so they remain effective.

Simple, easy and reliable

The pre-measured dose consistently delivers the correct concentration.

This avoids dilution errors that may occur when mixing disinfectant solutions.

Unique wall mounted dispensers

Hygienic and accessible, for quick and easy wipe dispensing. Proven to increase compliance and provide effective wipe usage by conveniently placing wipes at their point of use.

Use biocides safely. Always read the label and product information before use. Check manufacturer's guidelines before cleaning equipment with this product.

PRODUCT	UNIT OF ISSUE	ORDER CODE
Universal Wipes 40	Pack of 40	CW40
Universal Wipes Clip Pack 50 *	Pack of 50	CWCP50
Universal Wipes Adhesive Back 50 *	Pack of 50	CWAB50
Universal Wipes Tub 100 *	Tub of 100	CWTUB100
Universal Wipes Tub Refill 100 *	Refill of 100	CWTUB100R
Universal Wipes 200 *	Pack of 200	CW200
Universal Wipes Bucket 225 *	Bucket of 225	CWBUC225
Universal Wipes Bucket Refill 225 *	Refill of 225	CWBUC225R
Universal Spray 500*	500ml single unit	CDS500
Universal Spray 750*	750ml single unit	CDS750
Universal Wall Mounted Dispenser	for CW200	CWD
Universal Wall Mounted Dispenser	for CWTUB100	CWTUB100D
Universal Wall Mounted Dispenser	for CWBUC225	CWBUC225D

*CE 0473 Class IIa Medical Device

BACTERIA	TEST
Acinetobacter baumannii	EN13727
Enterococcus faecalis	EN13727
Enterococcus faecium (VRE)	EN13727
Enterococcus hirae	EN13727
	EN14561
Escherichia coli	EN13727
Klebsiella pneumoniae	EN13727
Methicillin Resistant Staphylococcus aureus (MRSA)	EN13727
Pseudomonas aeruginosa	EN13727
	EN14561
Staphylococcus aureus	EN13727
	EN14561
Vibrio cholerae	EN1276
MYCOBACTERIA	
Mycobacterium bovis	EN14348
Mycobacterium terrae	EN14348
	EN14563
FUNGI	
Aspergillus brasiliensis	EN13697
	EN14562
Candida albicans	EN13727
	EN14562
Candida auris	EN13624
VIRUSES	
H1N1 and H3N2	EN14476
Hepatitis B	ASTM E1052
Hepatitis C	EN14476
Norovirus	EN14476
HIV	EN14476
MERS-CoV	EN14476

ALCOHOL WIPES

Ultra quick drying, low-smear disinfection wipes for surface disinfection of non-invasive medical devices.



Superior quality

Our flow wrap wipes contain 25gsm non-woven spun bond, which is wetter and thicker than competitor alcohol wipes, meaning you can disinfect larger areas with less wipes, saving both time and money.

Kills 99.999% of germs

Includes S. aureus, P. aeruginosa and E. hirae according to EN13727 and EN14561.

Generous size

These large wipes are easy to use and an ideal size for effective surface disinfection of non-invasive medical devices.

Low-smear

The pharmaceutical grade isopropyl alcohol evaporates quickly and is low-smearing, making it perfect for surfaces such as glass, stainless steel and monitor screens. Some competitors use cheaper low grade alcohol with impurities which can smear and leave residue.

Unique flow wrap design

Brings alcohol wipe packaging into the 21st century: wipes are dispensed one at a time, so the top of the next wipe is not dry – common with tub dispensers – eliminating the infection control risk of dry, contaminated wipes. There is also much less packaging to dispose of compared to standard alcohol tubs, making them more environmentally friendly.

Alcohol wipes

Clinell Alcohol Wipes are high quality durable wipes, saturated with high quality pharmaceutical grade 70% isopropyl alcohol.Our wipes act as a rapid, low-smear disinfectant for surfaces and equipment, with a proven bactericidal action.

Clinell's rapid, low-smear disinfectant kills at least 99.999% of germs



CE 0473 Class IIA Medical Device

BACTERIA	TEST
Enterococcus hirae	EN14561
	EN13727
Staphylococcus aureus	EN14561
	EN13727
Pseudomonas aeruginosa	EN14561
	EN13727



Dispensers are available for: CAW100L & CAW150L

Check manufacturer's guidelines before cleaning equipment with these products.

PRODUCT	UNIT OF ISSUE	ORDER CODE	
Alcohol Wipes Large 100	Pack of 100	CAW100L	
Alcohol Wipes 150	Pack of 150	CAW150L	
Wall Dispenser	(for CAW100L/CAW150L)	CAWD	

2% CHLORHEXIDINE IN 70% ALCOHOL

Wipes for the disinfection of non-invasive medical devices such as venous and arterial catheters, peripheral cannulas, needleless connectors and blood culture bottle caps.



Better than traditional methods

Proven to be superior to both 70% alcohol and 10% povidone-iodine for preventing central venous and arterial catheter related infections^{29,30}.

Proven reduction

Proven to reduce catheter related blood stream infections by 75%^{31,32}.

Fast acting, long lasting

Provides the benefit of rapid antimicrobial action and excellent residual activity.

Proven efficacy

Proven to be effective at disinfecting central venous catheter hubs and sampling ports³³.

Complies with guidelines

Conforms to guidelines for preventing infections associated with the maintenance of central venous catheters. As outlined in: EPIC 3³⁴, NICE³⁵, UK Department of Health High Impact Interventions³⁶ and CDC³⁷.

UK Department of Health High Impact Interventions

CENTRAL VENOUS CATHETER CARE BUNDLE

Catheter access - ports or hubs are cleaned with 2% chlorhexidine digluconate in 70% isopropyl alcohol prior to catheter access.

PERIPHERAL INTRAVENOUS CANNULA CARE BUNDLE

Cannula access - 2% chlorhexidine digluconate in 70% isopropyl alcohol is used to decontaminate the port prior to administering fluid or injections via the cannulae.

RENAL HAEMODIALYSIS CATHETER CARE BUNDLE

Catheter access - ports or hubs are cleaned with 2% chlorhexidine digluconate in 70% isopropyl alcohol prior to catheter access.

TAKING BLOOD CULTURES

Clean the tops of culture bottles with a 2% chlorhexidine digluconate in 70% isopropyl alcohol impregnated swab and allow to dry for 30 seconds.

Powerful cleaning

formula, containing 2% chlorhexidine gluconate and 70% isopropyl alcohol

EPIC 2 Project Guidelines³⁸

THE EPIC 2 PROJECT GUIDELINES FOR PREVENTING INFECTIONS ASSOCIATED WITH THE USE OF CENTRAL VENOUS CATHETERS

Bloodstream infections associated with the insertion and maintenance of central venous catheters (CVC) are among the most dangerous complications of healthcare that can occur. They worsen the severity of the patients' underlying ill health, prolonging the period of hospitalisation and increasing the cost of care.

The EPIC 2^{38} & EPIC 3^{34} project report concluded:

CVC33 - Preferably, an alcoholic chlorhexidine digluconate solution should be used to decontaminate the injection port or catheter hub before and after it has been used to access the system.

CVC44 - When needleless devices are used, the risk of contamination should be minimised by decontaminating the access port with an alcoholic chlorhexidine digluconate solution.

IVAD30 - A single-use application of 2% chlorhexidine digluconate in 70% isopropyl alcohol (or povidone iodine in alcohol for patients with sensitivity to chlorhexidine) should be used to decontaminate the access port or catheter hub. The hub should be cleaned for a minimum of 15s and allowed to dry before accessing the system.

CE 0473 Class IIa Medical Device

Check manufacturer's guidelines before cleaning equipment with this product.

PRODUCT	UNIT OF ISSUE	ORDER CODE
2% Chlorhexidine in 70% Alcohol Wipes	Box of 240 wipes	CA2C240

DETERGENT RANGE

Multi-surface wipes for general cleaning and damp dusting. They leave ultra low-smear whilst providing a superior level of cleaning power.



Cutting edge technology combined with ease of use to create an incredibly

effective and environmentally friendly formula

Unique new patent pending formula

Derived from renewable and sustainable plant sources, Clinell Detergent Wipes are natural with ultra low-smear.

Optimum cleaning

Even stronger cleaning power, developed specifically for use in healthcare environments.

Multi-surface cleaning

Can be used on both surfaces and equipment including: mattresses, bed frames, table tops, door handles, desks, chairs, ledges, examination couches, telephones, keyboards and accessories, wheelchairs, trolleys, walking frames etc.

Alcohol & disinfectant free

Gentle formula, designed for frequent, everyday use.

Convenient and effective

Disposable wipes that are ideal for general cleaning and damp-dusting.

Unique wall mounted

Hygienic and accessible, for quick and easy wipe dispensing. Proven to increase compliance and provide effective wipe usage by conveniently placing wipes at their point of use.

PRODUCT	UNIT OF ISSUE	ORDER CODE
Detergent Wipes Clip Pack 60	Pack of 60	CDCP60
Detergent Wipes Tub 110	Tub of 110	CDT110
Detergent Wipes Tub Refill 110	Refill of 110	CDT110R
Detergent Wipes 215	Pack of 215	CDW215
Detergent Wipes Bucket 260	Bucket of 260	CDB260
Detergent Wipes Bucket Refill 260	Refill of 260	CDB260R
White Wall Mounted Dispenser	(for CDW215)	CDWDW
Wire Wall Mounted Dispenser	(for CDT110)	CDT100D
Wire Wall Mounted Dispenser	(for CDB260)	CDB260D



Dispensers are also available for tubs and buckets.

Check manufacturer's guidelines before cleaning equipment with these products



High Level Disinfection

Clinell provides effective and proven sporicidal solutions.

Clinell Sporicidal Wipes' patented technology generates peracetic acid and has a proven six log spore kill, in a two-minute contact time, in dirty conditions³⁹. There are also Hydrogen Peroxide Wipes, Clorox Wipes and a complete, one-step solution to body spills in Body Spill Wipes, all with sporicidal action from Clinell.

DRY BIOFILMS

Dry biofilms pose significant challenges in clinical settings because they protect organisms contained within them, they are difficult to eradicate and are invisible to the naked eye⁴⁰.

Biofilms within healthcare settings

MICROORGANISM ACCUMULATION

Microorganisms accumulate and attach to surfaces forming communities known as biofilms⁴¹. It is thought that biofilm formation provides protection and nutrients for microorganisms allowing them to survive in hostile environments⁴⁰.

DIFFICULT TO REMOVE

Biofilms are difficult to remove and survive decontamination methods previously thought to be effective in environmental decontamination⁴². The presence of dry biofilms harbouring bacterial pathogens is virtually universal on commonly used items in healthcare³. Many existing disinfectants do not demonstrate efficacy against dry biofilms.

FOUND ON COMMONLY USED HEALTHCARE ITEMS³:

- Patient folders
- Clipboards
- Chairs
- Commodes
- Sanitising bottles
- Trolleys
- Keyboard keys

Measuring efficacy against dry biofilms

In collaboration with Cardiff University we have developed a method that has enabled measurement of the efficacy of Clinell Sporicidal Wipes against dry biofilms based on transferability, regrowth and removal⁴³.

TRANSFERABILITY

Determines how well pathogens from dry biofilm can transfer to other surfaces post-wiping.

REGROWTH

Measures the time needed for a treated biofilm to regrow.

REMOVAL

Log reduction gives the number of bacteria that are removed following wiping.



SPORICIDAL WIPES

Peracetic acid generating wipes, activated by water, for surface disinfection and cleaning of non-invasive medical devices.



Patented formula

Comes in a stable form that delivers peracetic acid on demand. Peracetic acid is a safe alternative to chlorine, and is proven to provide similar or better performance against spores compared to chlorine²⁶.

Simple and easy to use

Just wet with water to activate the dry wipes. No more dilution errors. It generates no toxic fumes and can be used next to patients.

The most powerful wipe in the world

Clinell Sporicidal Wipes kills all known pathogenic microorganisms with a non-specific kill action. They have a proven 6 log spore kill, in two minutes, in dirty conditions³⁹. Proven to outperform other leading sporicidal wipes⁴⁴.

Cost efficient

Proven to save up to £660,000 per annum⁴⁵.

Contains detergent

Clinell Sporicidal Wipes cleans and disinfects. Peracetic acid remains effective in highly soiled conditions – unlike chlorine and glutaraldehyde based products, which are inhibited by dirt and organic matter²⁶.

Safe to use on most surfaces

Clinell Sporicidal Wipes are a CE-certified class Ila medical device. They can be used on non-invasive medical devices and equipment without corrosion, unlike chlorine solutions.

Unique wall mounted dispensers

Hygienic and accessible for quick and easy wipe dispensing. Proven to increase compliance and provide effective wipe usage by conveniently placing wipes at their point of use.

BACTERIA	TEST
Acinetobacter baumannii	EN13727
Escherichia coli	EN13727
Pseudomonas aeruginosa	EN1276
	EN14561
Staphylococcus aureus	EN13727
	EN14561
Enterococcus hirae	EN13727
	EN14561
Klebsiella pneumoniae (ESBL)	EN13727
Enterococcus faecalis	EN13727
Enterococcus faecium (VRE)	EN13727
SPORES	
Clostridium difficile	ASTM
	E2362-09
	EN13704
Bacillus subtilis	Bab et al ³⁹
MYCOBACTERIA	
Mycobacterium terrae	EN14563
FUNGI	
Candida albicans	EN14562
	EN13727
Aspergillus brasiliensis	EN14562
VIRUSES	
Adenovirus	EN14476
Poliovirus	EN14476
Canine Parvovirus	EN14476
MERS-CoV	EN14476

Antimicrobial activity

Powerful disinfecting composition using a pH optimised peracetic acid and hydrogen peroxide combination, generated from sodium percarbonate and tetra acetyl ethylene diamine.

High power oxidative kill against all microorganisms including non-enveloped viruses and bacterial endospores.

Greater than 6 log kill (>99.9999%) of spores in two minutes in dirty conditions³⁹. Conforms to EN13704, EN14348, EN14476, EN14561, EN14562, EN14563 and EN1650.

CE 0473 Class IIa Medical Device

Check manufacturers guidelines before cleaning equipment with this product.

PRODUCT	UNIT OF ISSUE	ORDER CODE
Sporicidal Wipes	Pack of 25	CS25
Sporicidal Wall Mounted Dispenser	(for CS25)	CS25D

Proven to reduce Clostridium difficile associated 72% disease by



SPORICIDAL GRANULES

Peracetic acid generating technology for high level disinfection and cleaning of floors and large areas.



Uses Peracetic Acid (PAA) Technology

PAA generating products are now considered a suitable alternative in situations where 1,000 and 10,000 ppm of chlorine are recommended²⁶.

Unique granule formulation

Easily mixed within a bespoke 1L or 2.5L mixer allowing quick and easy activation, avoiding dilution errors common with chlorine tablets.

ColourActiveTM Technology

Once active the solution turns red in colour. When no longer active it becomes colourless, allowing you to always know you are using an effective solution.

More effective than chlorine

PAA has been shown to be more effective against *C* and chlorine, F is not teactive by organic matter⁴⁸.

Safer the

the harmle triendly by-products of water, carbon dioxide and oxygen.













New evidence shows that flooring can be a reservoir for pathogens of significance in healthcare^{50,51,52}.

* Only available outside Europe.

Check manufacturer's guidelines before cleaning equipment with this product. Use biocides safely. Always read the label and product information before use.

PRODUCT	SIZE	ORDER CODE
Sporicidal Granules * (for use with 1L mixer)	30g	CSG30
Sporicidal Granules * (for use with 2.5L mixer)	75g	CSG75

Individual 1L and 2.5L mixers are also available.

HYDROGEN PEROXIDE WIPES

powered by Oxivir® (AHP° technology



Sporicidal, ready to use, single step cleaner and disinfectant with accelerated H_2O_2 .

Eco-friendly

Formulated with a blend of safe, non-toxic detergents to increase the activity of $\rm H_2O_2$. They contain no Alkylphenol Ethoxylathes (APEs) or Nonylphenol Ethoxylates (NPEs) but use alternate raw materials that are better for the environment. Hydrogen peroxide breaks down into simple water and oxygen, meaning no toxic substances are left to dispose of.

Surface compatible

Safe to use on most common materials found on non-invasive medical devices and hard, non-porous surfaces. They do not bleach fabrics.

Provides high level patient protection

Clinell Hydrogen Peroxide Wipes are formulated with a high power oxidative formula, powered by Oxivir® AHP® technology. Proven to be sporicidal, tuberculocidal, virucidal, bactericidal, yeasticidal and fungicidal. Conforms to EN13704, EN14476, EN16615 and EN13697.

Simple, quick and highly effective

 $\rm H_2\bar{O}_2$ cleans and disinfectants in one step with fast acting, realistic surface contact times. Short contact times ensure that the product is suitable for in-situ use and decontaminated devices can be used promptly.

Safe, compatible and environmentally friendly formula

Clinell Hydrogen Peroxide Wipes' active ingredient breaks down into water and oxygen, reducing the risk to patients, surfaces and the environment.

Proven to be faster

Proven to be faster and more effective at reducing spore counts than chlorine solution, with a broad spectrum of efficacy, providing confidence and assurance.

MICROORGANISM BACTERICIDAL	TEST EN13727 EN13697 EN1276	TIME 30 secs 1min 1min
YEASTICIDAL	EN13624 EN13697 EN1650	5min 5min 5min
FUNGICIDAL	EN13697	5min
VIRUCIDAL Poliovirus Adenovirus Murine Norovirus	EN14476 EN14476 EN14476	1min 1min 1min
SPORICIDAL C. difficile	EN13704	3min
MYCOBACTERICIDAL M. avium	EN14348	5min
EN SURFACE Mechanical action wipe test - 4 field test bactericidal and yeasticidal	EN16615	1min

Kills all known microorganisms

PRODUCTUNIT OF ISSUEORDER CODEClinell Hydrogen Peroxide Wipes Tub 100Tub of 100CSH2100T







Diversey Europe Operations B.V. Maarssenbroeksedijk 2, 3542 DN Utrecht, NL.

SPILL WIPES

Designed to make dealing with body fluid spills quick and easy. The pack contains one super absorbent, peracetic acid generating pad and two large disinfectant wipes. All within a resealable bag for the easy and safe disposal of waste.



The traditional body fluid spills protocol requires the spill to be decontaminated with chlorine before the spill can be safely removed. This involves a lengthy procedure: placing a barrier agent around the edges of the spill and using a chlorine solution to neutralise the fluid-borne pathogens.

This entire process takes at least 10 minutes and exposes the user to hazardous chemicals and toxic fumes – which may explain why compliance is very low with current chlorine blood spill kits. In addition, certain chlorine spill kits cannot be used on urine – meaning two different spill kits for blood and urine are necessary. With Clinell Spill Wipes only one kit is required.

Clinell Spill Wipes were created to make the entire process of dealing with body fluid spills quicker, easier and safer. They increase compliance with this often neglected procedure in a cost effective manner.

Proven to kill all known microorganisms associated with blood, urine and faecal spills

High power oxidative kill against all microorganisms including non-enveloped viruses and bacterial endospores including Hepatitis B & C, HIV, *Clostridium difficile*, Norovirus and many more. Conforms to EN1276, EN13704, EN14348, EN14476, EN14561, EN14562 and EN14563.

Proven to kill

all known microorganisms associated with blood, urine and faecal spills

Simple, quick and highly effective

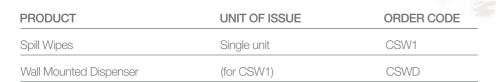
Replacing traditional chlorine based spill kits which are time consuming and hazardous to use. The exceptional ease of use increases compliance, reducing incidence of pathogen transmission.

Easy and safe disposal of soiled wipes

Clinell Spill Wipes packaging is designed so that all items, including protective clothing worn by the user, can be disposed of in the re-sealable bag and placed into the appropriate disposal channel.

Based on technology from the most powerful wipe in the world

Similar to Clinell Sporicidal Wipes, the super absorbent pad generates peracetic acid and hydrogen peroxide on activation. This proven formula creates no toxic fumes or harmful residual by-products, making it safe to use in patient areas. In addition, it is safe to use on urine – unlike traditional chlorine based products.



Use biocides safely. Always read the label and product information before use. Check manufacturer's guidelines before cleaning equipment with this product.



Skin Care

After 7 days in hospital, 62% of all patients were positive for enterococcal hand contamination9. Within 48 hours 39% of all patients had at least one HCAI causing pathogen on their hands¹⁰.

Improved patient cleanliness, specifically the hands, reduces the number of microorganisms available to transfer to healthcare workers and visitors. Our hand products are designed for frequent use, to keep skin healthy and hygienically clean.

ANTIMICROBIAL HAND WIPES

Antimicrobial wipes for cleaning and disinfecting hands. The patented formula kills 99.999% of germs without the need for soap and water.



Proven to be bactericidal and fungicidal

A mix of biocides with different mechanisms of action prevent bacterial resistance and superbug formation²⁸.

Can be used on 'soiled, visibly dirty hands'

The wipes contain surfactants to clean as well as disinfect, unlike alcohol gel rubs, which can only be used on 'visibly clean hands' 53.

Patient hand hygiene represents the next big step in infection prevention⁵⁴

Patented formula which is effective in seconds

Developed to provide the best protection from germs.

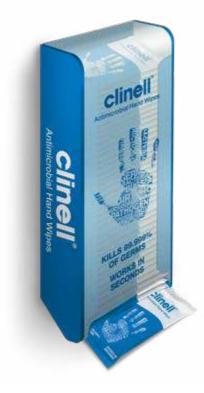
Conforms to PLACE, EPIC 3 and NHS choices guidance

Recommended for use before eating and after using the toilet. Perfect for patient food trays.

For carrying with you at all times

Conveniently sized, individual sachets are ideal for personal carry at all times – at home, in the office, in the car, in bags or when travelling.

BACTERIA	TEST
Acinetobacter baumannii	EN13727
Burkholdera cepacia	EN13727
Campylobacter jejuni	EN13727
Enterococcus faecalis (VRE)	EN13727
Enterococcus hirae	EN13727
Escherichia coli	EN13727
Klebsiella pneumoniae	EN13727
Listeria monocytogenes	EN13727
Methicillin Resistant Staphylococcus aureus	EN13727
(MRSA)	
Pseudomonas aeruginosa	EN13727
Salmonella typhimurium	EN13727
Staphylococcus aureus	EN13727
Vibrio cholerae	EN13727
FUNGI	
Candida albicans	EN13624
VIRUSES	
H1N1	ASTM E105
Henatitis C	FN14476



Antimicrobial Hand Wipe Dispensers

DELIVER GOOD HAND HYGIENE -AT THE POINT OF USE

Clinell's dispenser system has been proven to increase compliance and provide effective wipe usage by conveniently placing wipes where they are most frequently used.

HYGIENIC PULL SYSTEM

No need to touch the dispenser with dirty hands. Simply pull on the next available individually wrapped sachet.

QUICK SELF INSTALLATION

Comes equipped with ready to use, super strong, adhesive tape for quick and easy self installation.

EASY-CLEAN DISPENSER

Smooth, easy clean, high density plastic reduces bacteria reservoirs.

SIMPLE REFILL SYSTEM

Simple design allows for quick refilling with new wipes.

Use biocides safely. Always read the label and product information before use.

PRODUCT	UNIT OF ISSUE	ORDER CODE
Antimicrobial Hand Wipes	Box of 100	CAHW100
Antibacterial Hand Wipes	Pack of 200	CAHW200
Antimicrobial Hand Wipe Dispenser	(for CAHW100)	CAHWD

HAND SANITISING GELS

Gel for instantly disinfecting hands without the need for soap and water. Containing a unique blend of 70% alcohol and moisturisers.



Provides a superior level of effectiveness against germs

Unique formula

Specifically designed for use within the healthcare sector to kill germs and instantly sanitise hands.

Dermatologically tested

The gels contain moisturiser to promote healthy, soft skin.

Cleans and refreshes

With natural extracts of aloe vera.

Superior effectiveness

Alcohol based formula provides a superior level of effectiveness against germs and prevent bacterial resistance.

Ideal to use before eating

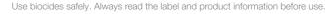
Safe to eat food with hands after application once the hands have dried naturally.

Instant results

Ideal for healthcare settings.

Travel size

The 50ml gel's small and convenient size makes it ideal for carrying with you at all times – at home, in the office, in your car, in your handbag or when travelling. Also available with a convenient belt clip and retractable lead to ensure that your gel is always to hand (CHSGTOT50).



PRODUCT	UNIT OF ISSUE	ORDER CODE
Hand Sanitising Gel with extendable clip	50ml single unit	CHSGTOT50
Hand Sanitising Gel flip top	50ml single unit	CHSG50
Hand Sanitising Gel flip top	100ml single unit	CHSG100
Hand Sanitising Gel pump dispenser	250ml single unit	CHSG250
Hand Sanitising Gel pump dispenser	500ml single unit	CHSG500



2% CHLORHEXIDINE IN 70% ALCOHOL SKIN WIPES

Wipes for cleaning skin after dressing and plaster removal, especially where the dressing has caused dirt to develop.



Reduces risk of infections

Cleaning with the Clinell 2% Chlorhexidine in 70% Alcohol Skin Wipes helps to reduce the bacteria that can cause skin infections.

Individually wrapped wipes

Pre-saturated wipes designed for cleaning small areas of skin.

Dermatologically tested

Clinell 2% Chlorhexidine in 70% Alcohol Skin Wipes have no added latex, designed to be kind to skin.

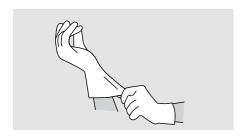
Stronger cleaning power

Effective in removing stubborn adhesive residue.

Range of uses

Ideal for cleaning skin after dressing and plaster removal, especially where the dressing has caused dirt to develop. In certain countries outside of the EU, it can be used as part of a medical procedure depending on the appropriate registration and local regulations e.g. as a pre-injection swab according to local regulations.

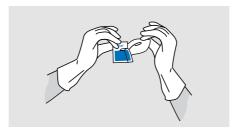
Directions for use



Wear the appropriate PPE.



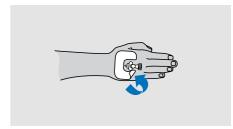
Wipe the area to be cleaned thoroughly.



Tear open one sachet and remove the wipe.



Be careful not to use the wipe on open wounds.



Remove any plasters or medical equipment from the area to be cleaned.

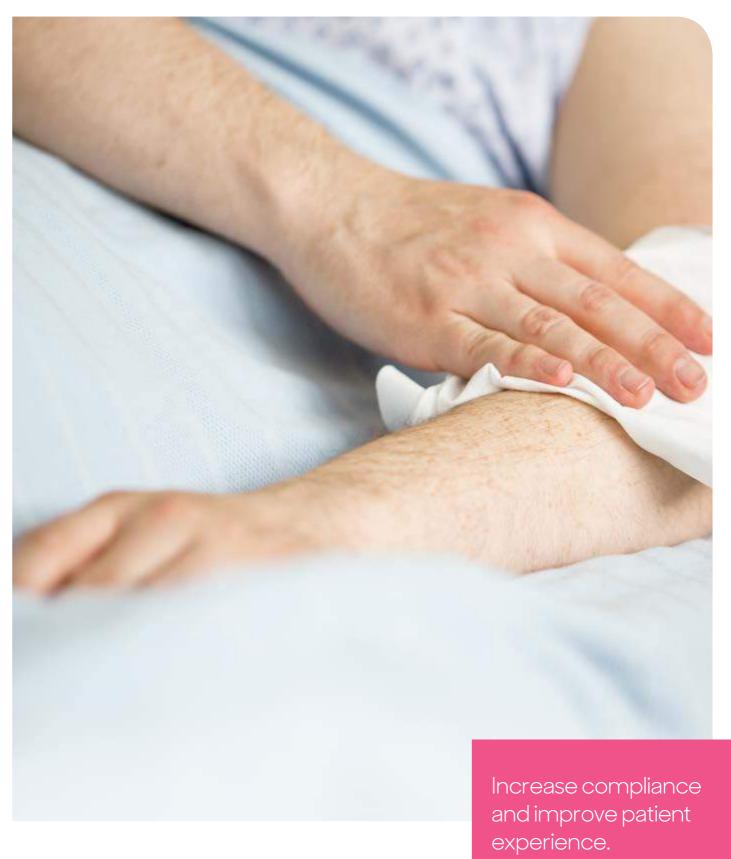


Discard the soiled wipe in the appropriate waste channel.

Use biocides safely. Always read the label and product information before use.

PRODUCT	UNIT OF ISSUE	ORDER CODE
2% Chlorhexidine in	Box of 200 wipes	CA2CSKIN
70% Alcohol Skin Wipes		

Powerful cleaning formula containing 2% chlorhexidine digluconate and 70% isopropyl alcohol.



Patient bathing products

An increased level of patient hygiene can improve patient well-being and reduce the number of microorganisms that are available to transfer to healthcare workers and visitors.

OVERCOMING PROBLEMS WITH WASH BASINS

In 88 US hospitals, 62.2% of bath basins were contaminated with commonly encountered hospital-acquired pathogens⁵⁵.



The advantages of wipes

SAFE SOLUTION

Clinell Patient Bathing Wipes remove the risk of microorganism transmission associated with wash bowl contamination. Using wipes also reduces the associated risk of lifting and carrying heavy bowls of water such as spills and falls^{55,56}.

QUICK AND EASY TO USE

Wipes replace the need for cumbersome traditional patient cleansing methods which include preparing bowls, wash cloths, soap, lotions and water. They require no towel drying which decreases waste, whilst increasing staff compliance and saving time and money.

REDUCES TRANSFERENCE

Improved patient cleanliness reduces the number of microorganisms available to transfer to healthcare workers, visitors and the environment.

Wash basins



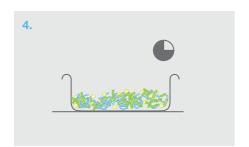
Wash basins can create spills which can lead to slips and accidents.



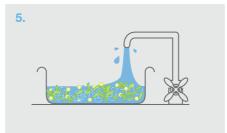
When a cloth is dipped back into the basin, organic matter and bacteria is introduced.



When the basin is emptied, microorganisms can be retained within the basin.



Microorganisms thrive in wet and warm conditions, multiplying exponentially over time.



When the basin is refilled for the next patient, the microorganisms are viable within the water.



The next patient is 'cleaned' with contaminated water.

CHLORHEXIDINE BATHING RANGE

Large, disposable, antiseptic, all-over body cleansing cloths and shampoo cap provides the perfect solution for pre-admission or ITU bathing.



Residual protection for up to six hours

Clinell Chlorhexidine Wash Cloths contain 2% chlorhexidine digluconate which reduces harmful bacteria that can be found on your skin. It also binds to your skin for many hours after application, providing hours of residual protection.

Use hot or cold

Use at room temperature or place in a Clinell Warmer for a warm wash cloth in seconds.

Provides rapid bactericidal action

Helps to protect against a wide variety of microorganisms that cause infections.

Antibacterial barrier

Unlike conventional soaps and body washes, the binding of the chlorhexidine acts like an invisible, antibacterial barrier which continues to reduce bacteria on your skin for many hours. This gives you an extra level of protection during your hospital stay and procedures.

Ideal for bed baths in an ITU setting

Also ideal for pre-admission patients.

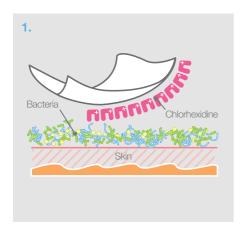
Conforms to EPIC 3 guidelines³⁴ IVAD21

Consider the use of daily cleansing with chlorhexidine in adult patients with a central venous catheter as a strategy to reduce catheter-related bloodstream infection.

Full body wash

The pack contains 8 wipes which enables each area to be effectively cleaned without wiping more than one area with a single cloth.

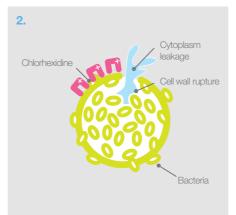
Why chlorhexidine gluconate is effective:



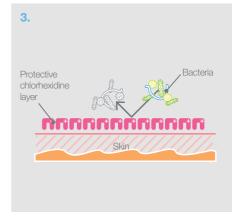
The positively charged chlorhexidine molecule is attracted to the negatively charged cell wall of the bacteria.

Contains 2% chlorhexidine digluconate which kills the harmful bacteria usually found on skin.

Use biocides safely. Always read the label and product information before use.



The chlorhexidine binds to the cell wall causing it to rupture, leading to cytoplasm leakage, lysis and cell death.



Positively charged chlorhexidine molecules bind to the proteins in human tissues which subsequently releases them slowly to provide a layer of prolonged protection.

PRODUCT	UNIT OF ISSUE	ORDER CODE
Chlorhexidine Shampoo Cap	Single unit	CHGSC1
Chlorhexidine Wash Gloves	Pack of 8	CHGWGL8
Chlorhexidine Wash Cloths	Box of 12 packs (each containing 8 wipes)	CHGWC8

BED BATHING RANGE

carell

Large, soft, rinse-free, cleansing and moisturising wipes for a complete full body bathing solution.



Full body wash

Large, soft wipes designed for one wipe to be used on each area of the body. For use on the face, neck, chest, arms, perineum, legs, back and buttocks.

A simple, rinse-free bathing solution

Designed for cleaning and moisturising the body in one easy step.

Promotes healthy soft skin Contains aloe yera and added moisturisers.

A warm bedbath in seconds

Clinell Bedbath Patient Wipes 8 packs can be used at room temperature or placed in a Clinell Warmer.

Dermatologically tested

Skin neutral pH. Alcohol, lanolin and paraben free.

Directions for use

FACE & NECK



LEFT ARM & AXILLA



CHEST



PERINEUM & BUTTOCKS



BACK



LEFT LEG



RIGHT ARM & AXILLA



RIGHT LEG





The Clinell Warmers are suitable for CHGCS1, CHGWC8, PRSHMC1, CBB8 and CBBGL8.

PRODUCT	UNIT OF ISSUE	ORDER CODE
Shampoo Cap	Single unit	PRSHMC1
Bedbath Wipes 8	Pack of 8	CBB8
Bedbath Gloves 8	Pack of 8	CBBGL8
Body Care Wipes 60	Pack of 60	CBC60
Clinell Warmer	Single unit	CWARM
Large Clinell Warmer	Single unit	CTM24

PERSONAL CARE WIPES

Dermatologically tested wipes with added moisturisers for frequent patient use. Ideal to stay clean and fresh.



Keeps skin clean and refreshed

Carell Personal Care Wipes are specifically developed to help maintain personal hygiene, for use on hands and face.

Dermatologically tested formula

Formulated to be gentle on skin, the wipes are designed for frequent use, without causing dryness or irritation to the skin.

Keep wipes at bedside

Carell Personal Care Wipes 40 pack has an integrated clip, making it easy to attach to the bed and bedside locker. Perfect for convenient access to patient cleansing wipes, helping to keep the patient protected at all times.

Available in a wide range of pack sizes

Perfect for individual patient use for long or short stays.

Alcohol, lanolin and paraben free

Carell Personal Care Wipes contain aloe vera and added moisturisers to promote healthy, soft skin.

Available in maceratable Safe and easy disposal.

Effective hand cleaning

Hands must be cleaned after all patient and healthcare worker interactions. Follow the steps below for at least 30 seconds.



Rub hands palm to palm.



Rub back of each hand with the palm of other hand with fingers interlaced.



Rub palm to palm with fingers interlaced.



Rub with backs of fingers to opposing palms with fingers interlocked.



Rub each thumb clasped in opposite hand using rotational movement.



Rub tips of fingers in opposite palm in a circular motion.



Rub each wrist with opposite hand.



Discard the wipe in the appropriate waste bin.

39% of patients have at least one hospital-associated pathogen on their hands within 48 hours of admission¹⁰

PRODUCT	UNIT OF ISSUE	ORDER CODE
Refreshing Wipes 10	Pack of 10	CRW10
Personal Care Wipes 24	Pack of 24	CHF24
Personal Care Wipes Clip Pack 40	Pack of 40	CPP40

CONTIPLAN RANGE

Effective continence care can help reduce the incidence of incontinence-associated dermatitis and pressure ulcers.

Skin pH level is usually slightly acidic (5.0-5.9).



Incontinence-associated dermatitis (IAD)

is 'an inflammation of the skin that occurs when urine or stool comes into contact with perineal or perigenital skin'57.

Individuals in any age group can experience IAD. Skin can be damaged by moisture and irritants that can arise from a variety of sources. One source is urinary and/or faecal incontinence. Urine and faeces contain a variety of chemical irritants as well as moisture, all of which can result in IAD58.

Reports estimate the prevalence of IAD in critical care settings may vary from 36% to 50% in patients who are not on a defined preventive skin care regime^{59,60}.

IAD is a prevalent complication of incontinence that compromises skin integrity, predisposes to cutaneous infection and increases pressure ulcer risk⁵⁷.

It is estimated that one in five hospital inpatients has a pressure ulcer – this represents at least 20,000 hospital patients in the UK at any time. In the UK, around 400,000 individuals develop a new pressure ulcer annually. The cost to the NHS is high, primarily because prolonged hospital treatment is needed in serious cases and those at risk must be protected. The annual cost is in the range of £1.8-2.6bn61.

Prevention of IAD is traditionally based on avoiding or minimising exposure to faeces or urine, combined with a structured skin-care regime of gentle cleansing, moisturising and the application of a skin protectant⁶²⁻⁶⁶.

Performing all of these steps is labour intensive, time consuming and often leads to poor compliance. Contiplan incorporates all these traditional steps into one wipe to provide healthcare professionals with a convenient all in one solution.

There is now an increasing amount of clinical evidence showing the importance of a defined skin care regime to both prevent and treat IAD, all studies support the use of a three step approach of gentle cleansing, application of moisturiser and the use of a skin barrier product⁶²⁻⁶⁶.

Contiplan All in One Cleansing Cloths allow you to implement this skin care regime in one easy step.

This helps it to protect against bacteria, viruses and fungi.



Continuous pressure leads to reduced blood flow, reducing supply of oxygen and nutrients to tissues. This, coupled with increasing shear and friction forces, results in superficial and deep tissue damage.

Urine contains a

substance called urea, which is broken down to

ammonia when in contact

with the skin. Ammonia

raises the pH of the skin

and weakening the skin.

reducing the natural barrier



Liquid stool contains digestive enzymes that can damage the skin directly. Faecal bacteria penetrate weakened skin, causing secondary infection.



82% of nurses report that providing an all-in-one barrier cloth at the bedside makes it easier to apply a barrier 100% of the time, it makes it easier to facilitate incontinence care and allows them to make more time for other patient care duties⁶⁵.

A complete all-in-one continence care solution to cleanse, moisturise and protect in one easy cloth.



The use of a one-step wipe containing dimethicone significantly reduces IAD prevalence compared to standard treatment⁶⁶.





Barrier protection

The incorporated dimethicone, barrier protects against prolonged exposure to faeces and urine to allow quicker healing. This reduces sensitive skin handling and friction damage.



Cleansing

Mild, soap-free cleansing formula cleans away faeces and urine effectively in one go, reducing the amount of skin handling. The cloths have a gentle scent to help with odours, allowing the patient to feel fresh & comfortable.



Moisturising

Added moisturisers, from the cream based formula, help prevent the risk of dry skin by repeatedly washing with soap and water.



Soothing

Extracts of camomile help to calm irritated skin and reduce the urge to itch.



Long lasting

Barrier function provides long lasting protection against prolonged exposure to faeces and urine helping to aid skin healing.



Dermatologically tested with a skin neutral pH.



Natural plant extracts

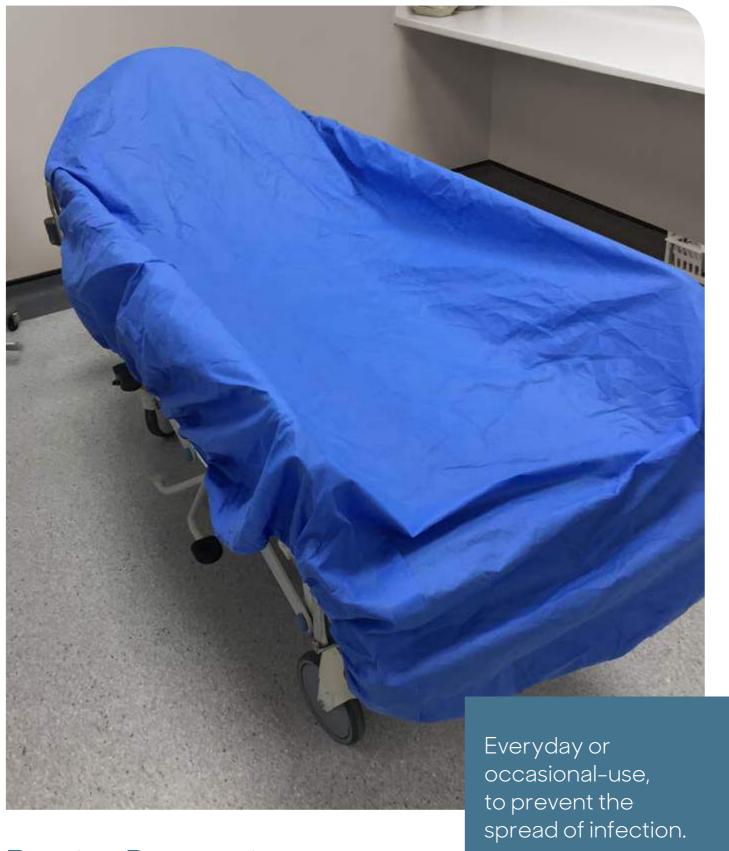
Extracts of witch hazel have anti-inflammatory properties and promote healthy skin.

"The cloths are great and we get really good patient feedback on them. They are a lot kinder to patients' skin and staff find them so much easier to use. The whole process is a lot quicker and more dignified."

Continence Team Lead, Nottingham University Hospitals.

PRODUCT	UNIT OF ISSUE	ORDER CODE
Contiplan 8	Pack of 8	CON8
Contiplan 25	Pack of 25	CON25





Barrier Protection

Take a proactive role in reducing onward transmission.

Our barrier products are developed with and tested by, healthcare professionals, providing unique solutions to minimise the spread of pathogens.

TROLLEY PROTECTOR

100% fluid and microorganism resistant barrier leaving trolleys ready to use almost immediately*



Clinell Trolley Protector acts as an effective barrier, preventing microorganisms and bodily fluids* from passing through to the patient trolley.

Saves time and money

Reduces the time staff spend cleaning trolleys and money spent on cleaning products.

Reduces patient turnaround time

Ensures trolleys are clean and ready to use almost immediately. The single use protector is quick and easy to use and dispose of.

Proven 100% effective barrier by an accredited lab*

Made with a unique 100% fluid and microorganism resistant material, as demonstrated by studies conducted at an independent UKAS accredited test lab.

Prevents gross contamination and prolongs mattress life

Prevents heavy soiling from bodily fluids, making trolleys and mattresses last longer and reducing replacement costs.

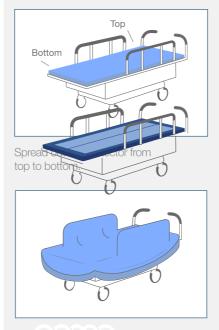
Developed with infection prevention professionals

Collaboratively designed with IPC nurses to solve a real issue.

APPLICATION:



Roll out the protector onto patient trolley.

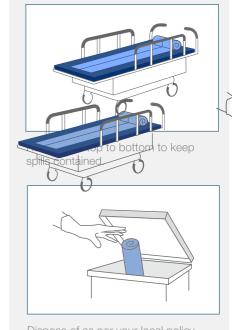


Pull he side of the pretector over the bed rails with elasticated bottom edges folded up.

REMOVAL:



Detach protector from bed rails and sides folding protector in the middle.



Dispose of as per your local policy.

^{*}Refer to our website www.clinell.com to read more about the studies conducted by SMTL.

PRODUCT	UNIT OF ISSUE	ORDER CODE
Trolley Protector	Box of 6	CTPR6



clinell[®] easyclean

GAMA Healthcare aim to provide the healthcare sector with a complete infection prevention solution. Working with the UK's leading infection control specialists, we redesign hard to clean items for effortless decontamination.

EASYCLEAN COMPUTER ACCESSORIES

Keyboards have been shown to serve as reservoirs of nosocomial pathogens and vectors for cross transmission in the ICU setting⁶⁷.



Washable Keyboard

Studies have shown 33-95% of keyboards have positive cultures for microbes including MDROs^{6,68,70}. The degree of contamination observed is high enough to potentially allow transmission via contaminated hands^{6,71}.

Guidelines recommend hospitals have washable keyboards or keyboard covers in areas accessed by patients and that keyboards and mice should be disinfected daily and when visibly soiled, with a hospital-grade disinfectant cleaner 68,69.

Clinell EasyClean computer accessories were developed to simplify cleaning procedures and increase compliance. They are available in wipeable silicone and conventional true type. Both are 100% waterproof, dishwasher safe and can even be disinfected with chlorine.

Dishwasher safe*

For quick, easy and effective cleaning. An integrated USB cap protects the connector.

Compatible with all hospital disinfectants

Proven to withstand regular disinfection procedure, even with chlorine.

Natural look and feel

Our keyboards look and feel like conventional keyboards, unlike many other wipeable keyboards aimed at the healthcare sector.

100% waterproof*

All products are fully submersible and manufactured to meet the rigorous IP68 specifications.

Laser etched keys

For long lasting legibility and durability.

Easy clean silicone†

Easy clean wipeable surface not a single hole or crevice for dirt to accumulate in.

Power off

Convenient keyboard power off button to allow cleaning whilst plugged in.

Backlit keyboard[‡]

Our silicone keyboards are backlit to improve legibility.

Laser guided precision§

Laser technology for a more accurate and responsive mouse.

Silent Use[‡]

Traditional keyboards can be very noisy to type on. Our silicone keyboards have the advantage of silent key strokes.

- * Not applicable to Smartcard Readers (CSMS1W/CSMS1B).
- ‡ Silicone Keyboards only (CKS1W/CKS1B).
- † Not applicable to True Type Keyboard (CKTT1).
- § Silicone Mice only (CMS1W/CMS1B).

PRODUCT INFORMATION	UNIT OF ISSUE	ORDER CODE
True Type Keyboard (black)	Single unit	CKTT1
Silicone Keyboard (black)	Single unit	CKS1B
Silicone Keyboard (white)	Single unit	CKS1W
Silicone Mouse (black)	Single unit	CMS1B
Silicone Mouse (white)	Single unit	CMS1W
Silicone Smartcard reader (black)	Single unit	CSMS1B
Silicone Smartcard reader (white)	Single unit	CSMS1W



Awarded the highest waterproof rating, IP68







Silicone Keyboard

The low profile keys and single piece construction makes them ideal for frequent wiping. Manufactured from treated, antimicrobial silicone, they are 100% waterproof and dishwasher safe. The blue backlit keyboards are available in black and white.



100% waterproof



Laser etched keys



Made from silicone



No nooks or crannies



Dishwasher safe



Wipeable



Backlit keyboard



USB plug-and-play



Protective USB cap

TrueType Keyboard

A waterproof keyboard that looks and feels like a conventional keyboard. The laser etched keys ensure long lasting legibility whilst the durable, antimicrobial plastic provides further protection. They are 100% spill proof, waterproof and dishwasher safe.



100% waterproof



Laser etched keys



Dishwasher safe



Wipeable



USB plug-and-play



Natural look and feel



Protective USB cap

Silicone Mouse

Manufactured from a single piece of high quality, antimicrobially treated silicone, the mouse is perfect for frequent wiping. Benefitting from laser guided precision and a touch strip to enable easy scrolling, the mouse is 100% spill proof, waterproof and dishwasher safe.



100% waterproof



Laser guided precision



Made from silicone



No nooks or crannies



Dishwasher safe



Wipeable



USB Plug-and-play



Protective USB cap

Studies have shown that 1 in 4 keyboards in acute district general hospitals are contaminated with MRSA⁷¹ and that hand hygiene rarely accompanies keyboard contact⁶.

EASYCLEAN COMMODE

Unique, award-winning, super-hygienic, multi-functional commode. It can be fully dismantled, making it simple and easy to clean.



Award winning

Winner of the GOOD DESIGN™ award 2012 - organised by The Chicago Athenaeum Museum of Architecture and Design.

Multi-functional

Suitable for both pulp and plastic bedpans. Can also be used as a shower chair or over a toilet.

Removable single piece, plastic bedpan rack

The fully removable rack allows for easy cleaning, over the toilet access and the insertion of top-loading pulp bedpans.

Durable, stainless steel frame

3 year frame warranty.

Easy move lockable wheels

With EasyMove[™] and TotalStop[™] design.

Convenient seat storage

The seat cover can be neatly stored at the back of the commode.

Non-stain plastic

Resistant to staining and chemical damage.

Easy clean

No screws, nuts or bolts and smooth, curved, non-porous surfaces allow for better and easier cleaning which increases compliance. This means less places for dirt and germs to accumulate.

Rotating, removable footrests

Footrests that rotate 360° so they can be turned out of the way for easy mounting or dismounting. Incorporates patented Clip & Slide mechanism for easy removal‡.

Safe and sanitary plastic seat

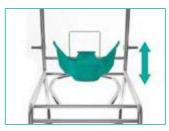
Latex-free seat cover, which sits flat within the seat, with no stitching or foam which guards against germ build up, allergies and is easy to clean.

Hinged arm rests

Enables easy patient transferring/support handling. The arms lock securely when down.



Plastic or pulp bed pans slide in from the rear.



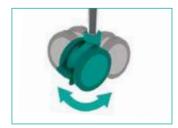
Top loading, moulded, single piece, plastic bedpan rack.



Hinged, lockable arms for easy patient transfer.



Seat cover stowed safely at the back of the seat.



Patented EasyMove[™] and TotalStop[™] design wheels.



Patented clip and slide footrests.

‡ Detachable Footrest: UK GB2496861B

PRODUCTUNIT OF ISSUEORDER CODEEasyClean CommodeSingle unitCCOM1

Only 10 pieces

easy assembly, durable, stainless steel frame no screws, nuts or bolts

LAUNDRY BAGS

Designed to minimise the risk of cross-contamination



Fully water-soluble bags

Dissolve completely in hot water, with a hot water-soluble tie. For use in hospital laundries, industrial and commercial washers.

Partially water-soluble sealed seam bags

Impermeable bags with an alginate heat sealed seam which dissolves on contact with cold water, with a cold water - soluble tie. For both domestic and industrial use.

Partially water-soluble stitch seam bags

Impermeable bags with an alginate stitch seam which dissolves in cold water, and is available in three sizes – small, medium and large. For both domestic and industrial use.



Laundrell water-soluble laundry bags provide a simple and convenient solution for safe handling of used linen in a health or social care environment.

Items of linen which are used, soiled, fouled or infected can be placed directly into one of the water-soluble bags, and then into an outer bag for transport, in line with local policies and procedures.

Once tied, the bags will safely contain the items of soiled linen. After an appropriate disinfecting wash cycle, the linen is rendered safe to handle once again.

The cold water soluble bags are suitable for use in domestic machines at home, by patients, carers or staff to transport soiled uniforms home.

It is important that staff understand how to use the bags to maximise the safety and efficiency benefits and know which of the bags to choose for the job at hand. All three types of bag can be used in hospital, or commercial/ industrial laundries.

The choice of bag will depend on local requirements. Patients, carers and staff should be given instructions on how to use the bags safely.

The use of water-soluble bags supports healthcare providers in:

Conforming to the requirements of national guidelines for the safe decontamination of linen⁷².

Implementing local policies and procedures for the safe handling, sorting and disposal of linen.

Safeguarding the health and safety of patients and their carers as well as staff.

Facilitating post-wash sorting of used or infected items.

Discharging their responsibility under health & safety legislation to ensure that the risk to staff is minimized in the reprocessing of linen. It ensures that laundry staff do not need to manually open bags containing infectious linen, protecting them from infectious agents.

PRODUCT	UNIT OF ISSUE	ORDER CODE	COLOUR	BAG MATERIAL	SIZE
Fully hot water-soluble laundry bags	Roll of 25	LDSH25R-S	Pink	Polyvinyl alcohol	One size
Partially cold water-soluble laundry bags with alginate heat sealed seam	Roll of 25	LDSC25R	Orange	Polythene	One size
Partially cold water-soluble laundry bags with alginate stitch seam	Roll of 50	LDSC50RA-S LDSC50RA-M LDSC50RA-L	Red	Polythene Polythene Polythene	Small Medium Large



Support Products

Ensuring you get the best out of your GAMA products, our support range provides clever solutions to increase cleaning compliance.

Our indicator products provide instant visual cues, letting you know if equipment is decontaminated and safe for patient use.

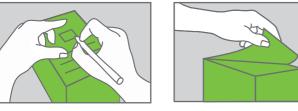
INDICATOR PRODUCTS

Indicator Notes to fill out and attach prior to, or after, disinfection, to show that the equipment has been or needs to be sanitised.



Simple and quick

It's easy to see that objects and equipment have been cleaned. By filling in the note/tape, the person responsible is able to leave a clear record.



Clearly tick the 'I am clean/I need to be cleaned' box and write your name, the time and the date in the area provided.



Specifically develope

developed in conjunction with Thomas' NHS Foundation

Control Department.

The Clinell Clean Indicator Notes were

Peel the completed note off the pad.

Three variations

Clinell Clean Ind nveniently



Stick the note to the object or equipment in an easily visible place.



Firmly press/rub the top area of the note to ensure it is properly attached to the object.

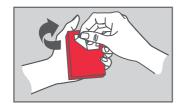
'I need to be cleaned'

It is not always possible to clean equipment immediately after use and this means that there is a risk of items not being decontaminated between patients. Clinell Clean Red Indicator Notes provide a visible sign that an item must be cleaned before re-use.

'Lam clean'

After local decontamination has taken place; signed and dated Clinell Clean Green Indicator Notes provide a visible assurance that an item is ready for re-use with another patient.

Stick your pads where you need them



Peel off the backing sticker from the reverse of the pack.



Select a clean, dry, accessible wall/surface and firmly press the pad onto it for 10 seconds.

Supplied in boxes of 1,000 notes, each containing four pads of 250 notes. Available in both red and green, each pad has a no-residue adhesive back for attaching to equipment and walls.

Indicator Tape (self adhesive) to show that equipment has been sanitised. It provides the easiest method of illustrating completed disinfection procedures.



Increased compliance

Clinell Clean Indicators were developed for labelling after cleaning, recommended by the Saving Lives Guidelines⁷².

New design

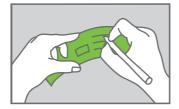
This single use tape cannot be used twice so there is no risk of transference.

No damage to surfaces

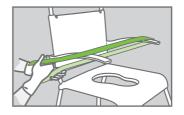
The tape will only adhere to itself (back to back) and no other surface.



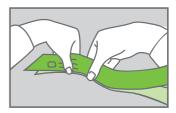
Select a suitable length of tape from the dispenser and tear through the roll so that you have a strip of indicators.



Clearly tick the 'I am clean' box and write your name, the time and the date in the area provided.

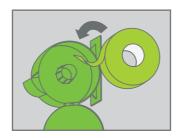


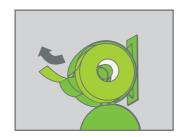
Press the two sides of the tape together and rub to bind the sticky underside.



To join the ends, firmly press the two sides of the tape back to back.





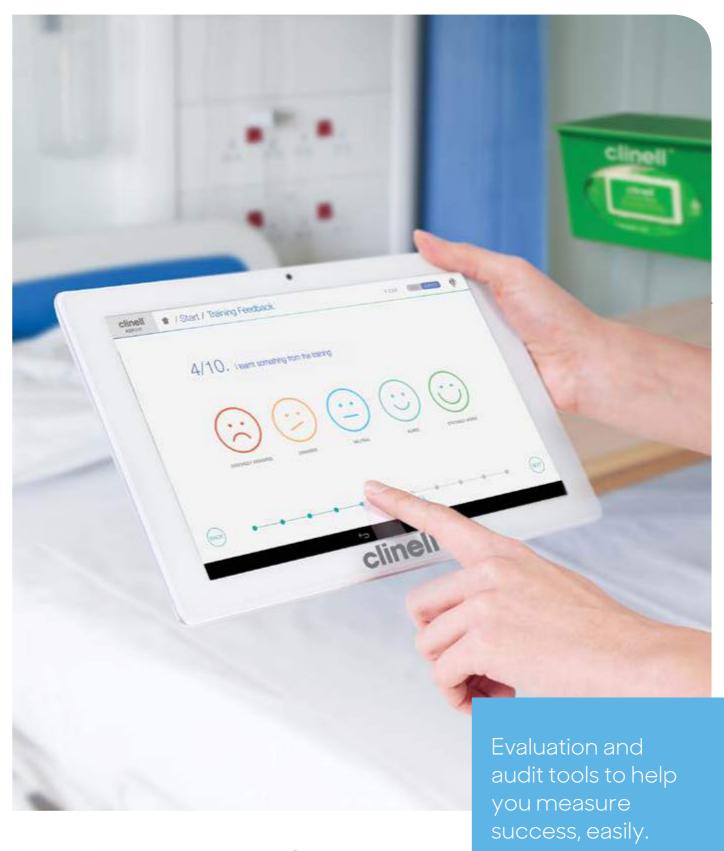




Helping you conform to UK NHS Saving Lives Initiative 'High Impact Interventions No.8⁷²'

PRODUCT	UNIT OF ISSUE	ORDER CODE
Indicator Notes Red	4 x 250 notes	CCIN1000R
Indicator Notes Green	4 x 250 notes	CCIN1000G
Indicator Tape	Single unit	CCIT100
Indicator Tape Dispenser*	(for CCIT100)	CCIT100D





Implementation & training

GAMA Healthcare tablet-based applications are designed to suit the needs of the user, they are customisable, easy to use and practical. The apps can help ensure compliance and improvement, gather feedback or help generate bespoke reports. AskMe and EvaluClean also have the capability for data sharing for a wider overview of results. Apps are usually supplied as part of the award-winning Clinell Training Package.*

GAMA Online Training Hub

The GAMA Training Hub is an online platform providing flexible training programmes to support healthcare professionals with their learning and development goals.



Facilitates reflective practice for revalidation

The future of healthcare education

- Interactive virtual learning, free for GAMA customers*
- Store and download reflective practice evidence
- Training programmes written by IPC professionals
- Build your own bespoke programmes

Free interactive virtual learning

Free access to pre-existing programmes plus extra programmes and features for GAMA users.*

Training programmes written by IPC professionals

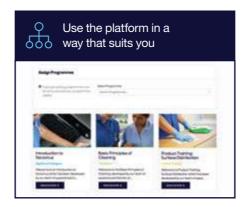
All of the GAMA Training Hub programmes have been written by Infection Prevention and Control professionals, who have in-depth knowledge on a wide range of topics and categories.



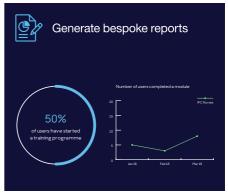
Using our easy to use programme builder, build bespoke training programmes for specific staff needs and groups within your organisation. Preview programmes before you publish them and add in different media such as videos, animations, images, papers and studies great for presentations and self-learning.



Set the pass rate for questionnaires or generate a reflective practice form or certificate after completing a programme. Documents will be saved to your account where they can be accessed at any time, ready to upload as part of revalidation.



Set up your department and invite your team to sign up. Easily assign appropriate programmes to different users in your organisation and securely track their progress. Decide what programmes you'd like your team to access and when, e.g. during a Norovirus outbreak to increase staff awareness and knowledge.



The Reporting Dashboard shows an overview of active users and programmes in your team. Gather stats on what courses your team have completed and their levels of activity with the option to filter by job roles, departments, programmes and dates. Export as a bespoke, attractive and easy to understand PDF report.

^{*}Subject to minimum spend.

training package

The most accessible, fun and comprehensive educational guide to environmental cleaning ever compiled for healthcare professionals.



GAMA Healthcare are committed to providing market leading aftercare support: we work closely with you to ensure that we provide the best training solution for your hospital. Our award winning Training Package aims to be the most comprehensive and useful tool for healthcare professionals available.

Specialist development

Clinell's Training Package has been developed in conjunction with some of the leading Infection Prevention Specialists in the UK.

Customisable content

Full of new content, you can now build and customise every part of your training session, tailoring it to specific needs, target audiences and time frames. You can create bespoke sessions based on your hospital's current issues. If there is an outbreak, a quick refresher course can make all the difference.

Educational games

Specially developed group games and videos make learning interactive and engaging whilst teaching the importance and best practice of environmental cleaning.

Measuring development

Also included is our unique survey app which can measure knowledge before and after training, giving healthcare providers valuable feedback on how training is progressing.



Trainers can choose how to give training, perfect for group sessions as well as one-on-one tutorials. Every session is completely customisable. The user can choose the amount of detail/skill required, the length of training, the videos to include, the order of each section and much more.

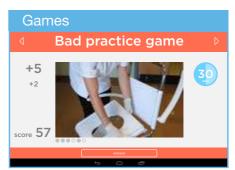


Based on the newest scientific evidence and practices, there are sections on best practices, pathogens, products, surface disinfection and more.

Complete with an up-to-date, 50 page supporting evidence document.



Videos that clearly illustrate the best cleaning practices to reduce microorganisms on key items often found in healthcare settings. Cleaning with different products and cleaning different hospital equipment are included.



Fun and engaging games help to emphasise key learning points. These include games of speed, judgement and choice, which is a great way to increase knowledge on best practices.

PRODUCT	UNIT OF ISSUE	ORDER CODE
Clinell Training Package (with EvaluClean)	Single unit	CTP1

evaluclean™

The most advanced system available to evaluate environmental cleanliness. Comprising of fluorescent markers, UV torch and tablet-based audit software.



Fluorescent marker is a better tool than ATP in determining how thoroughly a surface is wiped and mimics the microbiological data better than ATP⁷⁵.

Fluorescent marker pens & UV Torch

Our fluorescent gel has been rigorously tested to ensure it remains wipeable from all non-porous hospital surfaces. The ultra-strong 28-LED UV torch provides excellent mark visibility.

Customisable

The unique Clinell EvaluClean software system, delivered on a tablet, is completely customisable. Select the equipment and surfaces you wish to monitor from the existing database, or add new ones with the tablet camera. Choose whether to audit the room or specific items.

Assess

Use the fluorescent pens to mark equipment and surfaces and then record their location with the touch of a screen. Set reminders when to check the mark and use the torch to assess whether the invisible fluorescent gel has been cleaned away. Quickly and easily use the app to record the efficiency of the cleaning.

Instant access

Sync and collate audit data across multiple devices and create organisation wide reports anywhere, through the online portal.

The use of a fluorescent marker system in ICU resulted in 40% more surfaces being cleaned⁷⁶.

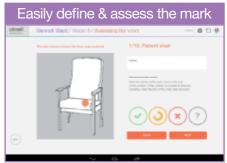


Choose which equipment you wish to monitor from the extensive list of pre-loaded items, or add your own items.

Specify the 'type of clean' and whether to audit a specific room or item. Select a length of time before you are reminded to check the area or choose immediately.



View live reports, analyse by hospital, department, room type or item. Instantly monitor trends, compare performance and generate bespoke, attractive and easy to understand reports.



Tap the illustration where you have marked the item. If the item isn't in our database, simply take a photo and mark the image. After cleaning, shine the UV torch onto the area highlighted on the illustration. If the mark has gone, the item has been effectively cleaned, if not more training may be required.



Securely view data online from multiple tablets and hospitals throughout an organisation with Clinell's new EvaluClean web server.

PRODUCT	UNIT OF ISSUE	ORDER CODE
Clinell EvaluClean Kit	Single unit	CUV1
Clinell EvaluClean Fluorescent Pen	Box of 6 Pens	CUVP6

commode audit app

A specifically designed commode audit app which provides data collection, analysis and instant reporting functions in a portable, paperless format.

How does it work?

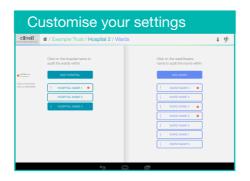
Data is entered into an easy to follow Android app specifically designed for mobile data collection. Details of each commode are entered, including cleanliness, condition of the commode and specific issues relating to individual components. This data is then used to create bespoke reports that can be centred on the organisation or unit and for each commode type within the organisation.

How will this improve cleanliness?

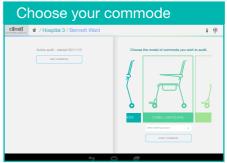
The use of data generated in the app can be used to focus improvement strategies on issues identified from the data, be they mechanical issues or cleanliness standards. Repeat audits can be used to demonstrate the effect of interventions and to track trends over time. Feedback of data can also be used to motivate staff.

How can I get this for my team?

This app is delivered on the latest 10" Android tablet software. The tablet, along with its applications, is provided free of charge to Clinell customers.* Simply call your local Clinell sales representative to organise the implementation into your organisation.



Select or type the name of your hospital/organisation along with the specific wards.



Choose the commode model or take a photo of the commode you wish to audit. You can identify the commode with its serial number by renaming it.



Inspect each element of the commode for soiling and damage. The app shows the commode from six different angles. Record areas that are broken, soiled or missing on the corresponding commode part directly on the app. Take photos to evidence dirty or broken areas.



Instantly monitor hospital wide trends, compare performance against set benchmarks and generate bespoke, attractive and easy to understand reports. See a detailed report for each commode, showing you the different models within your organisation and the replacement parts required to restore them.

^{*} Subject to annual spend.

ask me survey app

Evaluation measures are vital for examining the contribution of professional training to organisational success in a reliable manner; to ensure that the training method meets the training needs of the learners⁷⁴.

Instant Access

The unique AskMe software system, delivered on a tablet, comes pre-loaded with ready to use default surveys to allow you to collect feedback as quickly and easily as possible.

Customisable

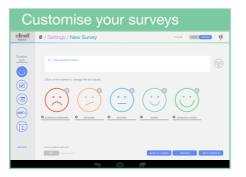
AskMe is totally customisable. You can create your own bespoke surveys, edit existing survey templates and save these for further use. The most straightforward and versatile option is the use of smiley icons, which allow you to quickly and simply gauge user feedback about your survey questions. Advanced features can also be utilised by choosing from a range of selectable options. This allows the user to select from multiple answers, rank questions, use a sliding scale or use a free type option. These advanced features provide more qualitative results from your surveys.

Reports

AskMe has a PDF viewer which enables you to create and view reports immediately by session, trainer or location. You can also email these reports directly from the tablet. An additional feature generates CSV files so that advanced users can perform their own analytics.

Feedback

AskMe provides a complete solution for real time feedback, allowing you to collect and analyse staff feedback and knowledge in a survey format.



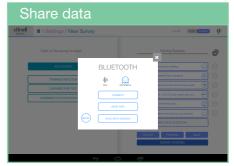
Choose between a variety of questions types such as smilles, multiple choice, ranking, scaling and free type. Your choice of advanced feature will depend on the questions you wish to ask and the type of response you wish to receive.



Default surveys are already loaded into the AskMe software. It's quick and easy to get feedback and thoughts on a variety of subjects.



Results and feedback can be generated instantly from the tablet and shared via email or USB.



Data from surveys can be shared between devices easily via Bluetooth. This allows you to collate data for a wider overview of your results.

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- (Suppl 1):A409

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