

# Drain Disinfectant

Proven protection  
against high risk and  
hard-to-kill-organisms.





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# Contaminated drains

**Contaminated drains are increasingly found to be the source of ongoing outbreaks of preventable infections.**

Transmission of pathogens from contaminated wet and dry surfaces can lead to healthcare-associated infections<sup>1,2</sup>. Specifically, sinks and drains contribute to the transmission of Gram-negative bacteria, including *Pseudomonas aeruginosa*, *Klebsiella*, *Acinetobacter* and carbapenemase-producing *Enterobacteriaceae* (CPE)<sup>3,4</sup>.

## What about the surfaces we can't see?

Surfaces are known to play an important role in the transmission of infections. While surface disinfection is common practice in the effort to reduce HCAs, some areas are harder to reach.

Sinks and showers are breeding grounds for microorganisms and can be the birthplace of biofilms. Hand hygiene, washing and waste disposal supplies drains with bacteria and nutrients, which supports their growth<sup>5</sup>. In these ideal conditions, microbes thrive and form biofilms – protective structures that shelter microbes from the effects of traditional disinfectants<sup>6</sup>.

Microbes from the biofilm are seeded back into the environment when the tap or shower is used. Once out of the drain, they spread to nearby surfaces and items, the hands of healthcare workers and subsequently to patients<sup>7,8</sup>.

## Traditional techniques aren't working

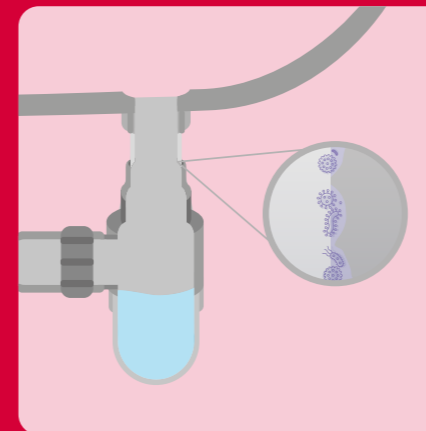
Traditional disinfectants cannot eradicate biofilms, so physical methods including replacement of sanitary hardware and implementation of physical barriers have been deployed to reduce risk<sup>9,10</sup>. Most efforts have proven ineffective, impractical or too expensive.

**Clinell Drain Disinfectant harnesses the power of peracetic acid to break down wet biofilms and kill the microorganisms sheltering inside.**

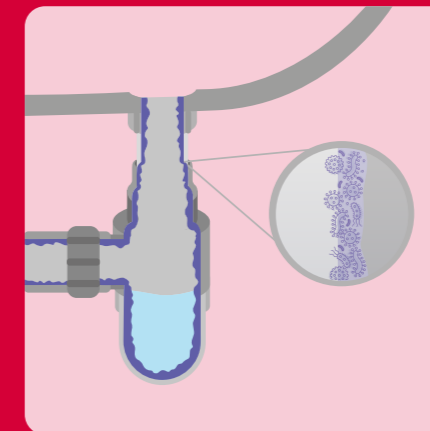


# Wet surface biofilms

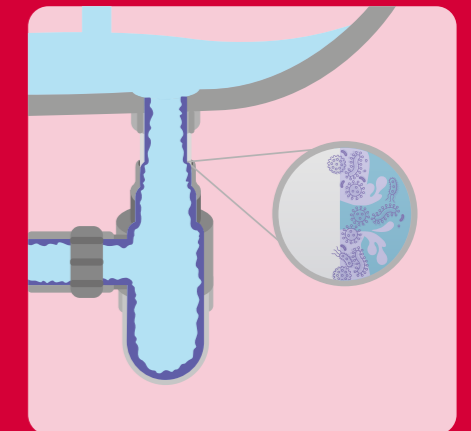
Drains in healthcare settings are frequently contaminated with antibiotic-resistant bacteria<sup>11,12</sup>. Healthcare workers looking to target wet surface biofilms and the microbes sheltered inside must use protocols that wipe out biofilms and prevent their regrowth.



Free-floating bacteria attach to the surface of the drain.



Bacteria multiply and secrete substances that form a protective biofilm, which cannot be penetrated by traditional disinfectants, in lower concentrations usually used in healthcare.



Running water causes splashback that transfers bacteria to the clinical environment, healthcare workers and patients.

Reduces biofilms and prevents regrowth ✓

Powerful oxidative technology ✓

More effective than chlorine ✓

Gentle on drains ✓



# Clinell Drain Disinfectant

## Powerful peracetic acid-generating technology that reduces biofilms in 15 minutes.

Clinell Drain Disinfectant contains peracetic acid-generating granules with proven efficacy against multispecies biofilms including those caused by Gram-negative bacteria. Our unique formulation destroys protective biofilms living in the drainage systems of hospital sinks and showers.

### Based on patented technology

Powered by a unique formulation based on our patented Clinell Peracetic Acid Wipes, Clinell Drain Disinfectant generates a blend of powerful oxidative agents that break down biofilms' structure and kill the bacteria living inside<sup>13</sup>.

### More effective than chlorine

Traditional treatments can kill bacteria, but may damage drains and enable rapid regrowth, rendering 'low-cost' options anything but. Clinell Drain Disinfectant tackles both bacteria and biofilms throughout the drainage trap, preventing regrowth for at least 4 days.

### Formulated for compatibility

Clinell Drain Disinfectant works at near-neutral pH and has been tested to ensure compatibility with the most common materials found in drains. Unlike chlorine-based disinfectants, Clinell Drain Disinfectant is designed to be used regularly without the worry of causing damage to drains and hospital infrastructure.

### Saves time and money

As part of a planned preventative maintenance programme, Clinell Drain Disinfectant can help to reduce the risk of HCAs and cost of ward closures, hardware repairs and replacements.

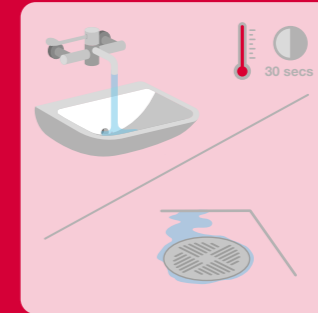
# How to use

## First time use

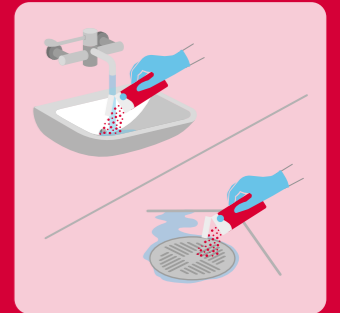
Use for three consecutive days. Evidence shows this will reduce biofilms.



1 Wear appropriate PPE.



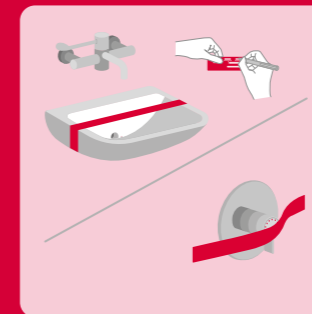
2 Turn on the hot tap/shower for 30 seconds.



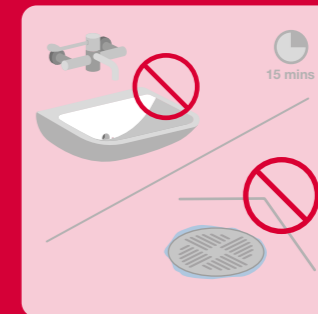
3 Pour entire contents of the sachet into the running water near the drain. Turn off tap/shower immediately.

## Ongoing use

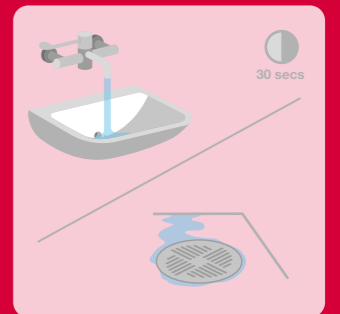
Use twice a week.



4 Place Clinell Drain Disinfectant Indicator Tape over the sink/shower to prevent use.



5 Wait for at least 15 mins. DO NOT USE SINK/SHOWER DURING THIS TIME.



6 Turn on the tap for 30 seconds to flush the drain before using sink/shower.

In outbreak situations, use daily.

Placing Clinell Drain Disinfectant Indicator Tape over the treated sink/shower indicates to others that the facility should not be used for 15 minutes while the product is working.

# Cutting-edge research

**Working with researchers at Cardiff University, we're pioneering new ways to tackle biofilms in our environment<sup>14,15</sup>.**

Using their unique model, Cardiff University researchers were able to replicate the conditions within a contaminated drain better than ever before. Their methodology allows them to test Clinell Drain Disinfectant's efficacy in all sections of a drainage trap.

A chlorine-based disinfectant, sodium hypochlorite (NaOCl) 1,000ppm, was found to only be effective in the front section of the drain – leaving the bacterial biofilm in the middle section intact

and able to rapidly regrow. Clinell Drain Disinfectant reduces biofilms in all sections of the drainage system and prevents regrowth for at least 4 days.

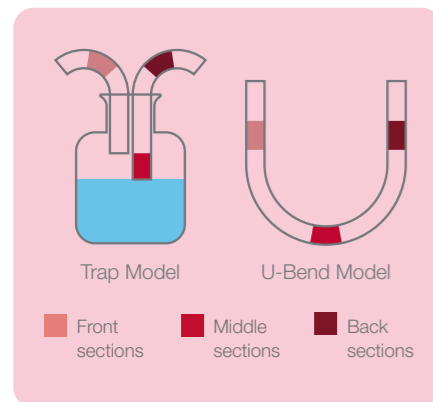


Figure 1  
Depiction of laboratory models based on the two most common hospital drainage systems.

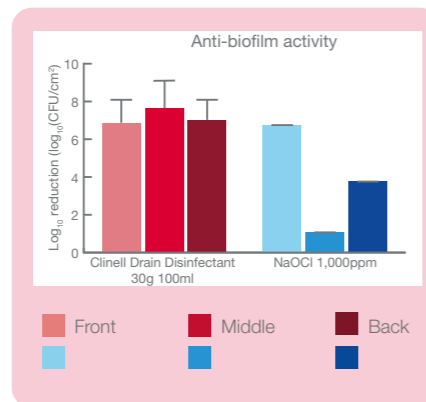


Figure 2  
Anti-biofilm activity of Clinell Drain Disinfectant versus sodium hypochlorite throughout the sections of a drainage trap. Scale guide: greater log reduction gives higher anti-biofilm activity.

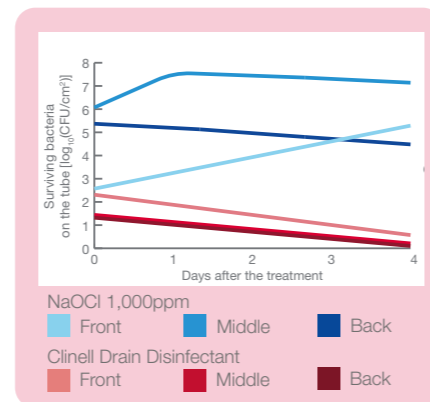


Figure 3  
Surviving bacteria as measured up to 4 days. Sodium hypochlorite is less effective against biofilms and enables rapid recovery. Clinell Drain Disinfectant prevents regrowth.

Effective against biofilms in all sections of a drainage trap ✓

Prevents regrowth for at least 4 days ✓

Greater anti-biofilm activity than chlorine-based disinfectants ✓

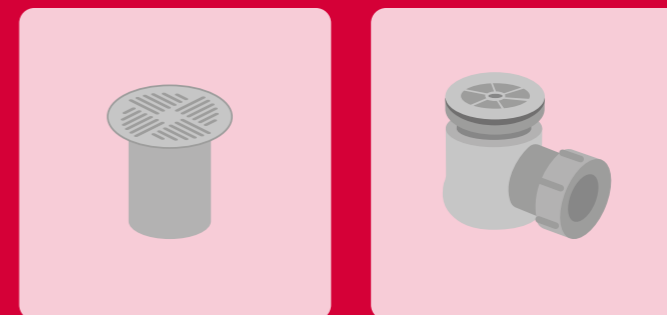
# Sink variations

**Clinell Drain Disinfectant can be used on both sink and shower drains including:**

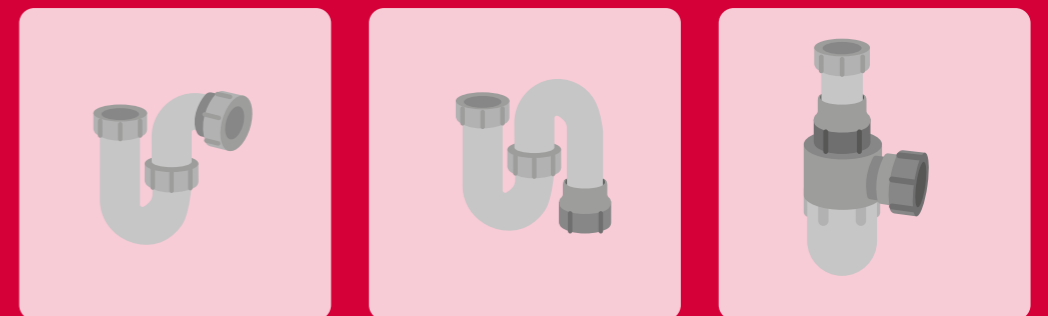
**Sinks and basins**



**Shower traps**



**P-traps, S-traps and bottle traps**



# Ordering information

	Product	Quantity	Product code	NHS code
Drain Disinfectant order info	Drain Disinfectant	24 sachets	CSDD24	MKD85041
	Indicator Tape	Single unit	CSDDT90	MKD85040



Drain Disinfectant



Indicator Tape

	Product	Quantity	Product code	NHS code
Peracetic Acid family order info	Peracetic Acid Wipes	25 wipes	CS25	VJT113
	Peracetic Acid Wipes Dispenser	Single unit	CS25D	-



Peracetic Acid Wipes



Wipes Dispenser

To find out more, speak to your GAMA Healthcare Area Manager or visit [www.gamahealthcare.com](http://www.gamahealthcare.com).

# Clinical education

## Complete protection.

Practice makes perfect. That's why we provide market-leading clinical training, digital tools and award-winning aftersales support. Our team of specialist IPC Nurse Trainers and Clinical Educators provide on-wards, bespoke training to NHS Trusts and healthcare organisations. They've been shown to significantly

improve staff capability (P<0.0001) and significantly reduce the time taken to clean (P<0.0001)<sup>16</sup>. Switching to Clinell Universal Wipes (complete with support from our IPC Nurse Trainers) helped a UK teaching hospital reduce their rate of MRSA acquisition by 55%<sup>17</sup>.

100% of staff felt training would improve their practice.



A total of 182 training days.



Trained over 32,000 staff.

96%

of staff agree training would make a difference to what they do in the future.



98% of staff we surveyed said:

“Training will make things safer for patients”

“GAMA Healthcare provided an excellent service and their organisation-wide training programme is especially commendable.”

Natalie Vaughan, Clinical Lead Infection Prevention & Control, Nottingham University Hospitals



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