

clinell®

Peracetic Acid Wipes

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



Made from plant-based fibres



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Brought to you by GAMA Healthcare
Product offering

Dry-surface biofilms

Why are some outbreaks so difficult to resolve?

Dry surface biofilms may be the answer¹

Biofilms offer an invisible layer of protection to a mixed community of microorganisms. Where biofilms have formed, traditional disinfections don't work².

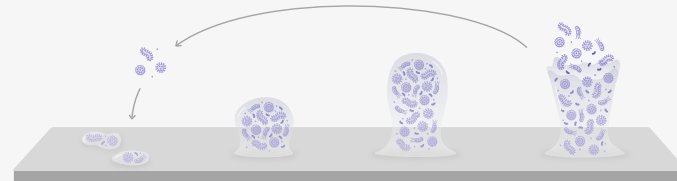
Traditional disinfectants can kill free-floating bacteria and viruses but can't penetrate the biofilm matrix. Despite diligent disinfection, where dry surface biofilms have formed, pathogens are able to recover quickly and continue the outbreak. 95% of terminally cleaned equipment can harbour dry surface biofilms³.

Powerful oxidative action of Clinell Peracetic Acid Wipes

- ✓ Kill > 100,000x more viable organisms than chlorine-dioxide against dry biofilms^{1,2}
- ✓ Prevent transference to other surfaces^{1,4}



1. Biofilms provide protection to communities of microorganisms
2. Traditional disinfectants kill free-floating pathogens but can't penetrate the biofilm matrix. Micro-organisms within the biofilm survive
3. The biofilm recovers and seeds pathogens back into the environment. The outbreak persists



Clinell Peracetic Acid Wipes use a patented formulation to break down the biofilm matrix itself and kill the microorganisms sheltering inside²

Clinell Peracetic Acid Wipes

Ultimate disinfection.

Clinell Peracetic Acid Wipes use patented technology to offer unbeatable protection against persistent outbreaks, high-risk organisms and dry surface biofilms

As microbial resistance increases, infection prevention becomes even more important. Continuing threats, such as multi-drug resistant Gram-negatives, and emerging organisms like *Candida auris* put patients at risk and can be incredibly difficult to remove.

For over 15 years, GAMA Healthcare has been developing and manufacturing infection prevention solutions to healthcare facilities across the globe. We drive scientific innovation in microbiology, formulation chemistry and product design.

Clinell Peracetic Acid Wipes are a high-performance disinfectant, more effective than chlorine against hard-to-kill organisms, spores and biofilms. They perfectly complement an everyday disinfectant such as Clinell Universal Wipes.

Fully bactericidal, fungicidal and sporicidal

- ✓ More effective than chlorine⁶
- ✓ Eradicates dry surface biofilms
- ✓ Effective from 10 seconds
- ✓ No pre-cleaning required⁷
- ✓ Gentle on surfaces





Microbial resistance

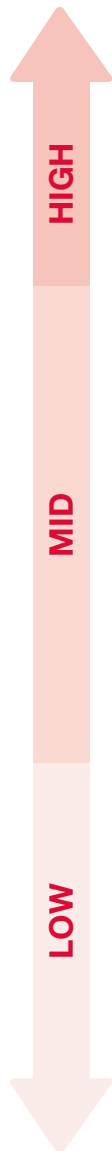
Because of their non-specific, oxidative action, Clinell Peracetic Acid Wipes overcome traditional methods of microbial resistance.

Depending on their structure, different types of microorganisms exhibit varying tolerance to disinfectants. Many traditional disinfectants act by disrupting viral envelopes or bacterial cell walls. These disinfectants can be very effective against easier-to-kill organisms such as enveloped viruses or Gram-positive bacteria. Unfortunately, that makes them ineffective against harder-to-kill organism types such as small, non-enveloped viruses and bacterial spores.

Unbeatable efficacy

Clinell Peracetic Acid Wipes are proven effective against otherwise hard-to-kill organisms.

Making them ideal for outbreaks and enhanced disinfection. They're tested by third-party laboratories according to EN standard test methods.



Tolerance to disinfectants	Organism example	Test
Biofilms	Dry surface biofilm	Modified ASTM E2967-15 ²
Bacterial spores	<i>Bacillus subtilis</i>	EN17126
	<i>Clostridioides difficile</i>	EN17126
Mycobacteria	<i>Mycobacterium avium</i>	EN14348
	<i>Mycobacterium terrae</i>	EN14348
Small, non-enveloped viruses	<i>Canine parvovirus</i>	EN14675
	<i>Poliovirus</i>	EN14476
Fungal spores	<i>Aspergillus brasiliensis</i>	EN13624
Gram-negative bacteria	<i>Acinetobacter baumannii</i>	EN13727
	<i>Escherichia coli</i> (E. coli)	EN13727
	<i>Klebsiella pneumoniae</i> (ESBL)	EN13727
	<i>Pseudomonas aeruginosa</i>	EN16615 EN13727
Yeast	<i>Candida auris</i>	EN13624
	<i>Candida albicans</i>	EN13624
Large non-enveloped viruses	<i>Adenovirus</i>	EN14476
	<i>Norovirus</i>	EN14476
Gram-positive bacteria	<i>Staphylococcus aureus</i>	EN16615 EN13727
	<i>Enterococcus faecalis</i>	EN16615 EN13727
	<i>Enterococcus hirae</i>	EN16615 EN13727
Enveloped viruses	<i>Vaccina virus</i>	EN14476

Typical tolerance of microorganism types to disinfectants, adapted from McDonnell & Russell⁹

Clinical evidence

Proven protection from hard-to-kill organisms.

Making them ideal for outbreaks and enhanced disinfection. They're tested by third-party laboratories according to EN standard test methods.

Over 4 million people in Europe acquire an HCAI every year¹⁰

In the USA, 1 in every 31 hospital patients, and 1 in 43 nursing home patients, has an HCAI¹¹

In the UK, HCAIs cost the NHS £2.7 billion per year¹²

Reduced bioburden: double-crossover study

Siani et al. American Journal of Infection Control. 2018;46(10).

Greater environmental bioburden – the more viable microorganisms in our environment – the greater the risk of healthcare-associated infections spreading¹³.

In this double-crossover study⁹, the authors compared wards using Clinell Peracetic Acid Wipes (then known as 'Clinell Sporidical Wipes') to wards using hypochlorite solution in a 1,000-bed teaching hospital. They took 1,566 environmental samples over 29 weeks. Part-way through the study, the wards swapped the products they were using – controlling for differing cleaning standards across wards.

Using Clinell Peracetic Acid Wipes significantly reduced the environmental bioburden. There were significant reductions in the number of aerobic bacteria ($P<0.001$), anaerobic bacteria ($P<0.001$) and ATP measurement ($P<0.001$). When the wards returned to using chlorine-based disinfectants, the number of sites testing positive for multi-drug resistant organisms began to rise again.

Unbeaten efficacy against bacterial spores

Siani et al. American Journal of Infection Control. 2011;39(3).
Doan et al. Journal of Hospital Infection. 2012;82(2).

Bacterial spores are one of the most difficult types of microorganisms to kill. They are incredibly resistant to heat, drying and chemical disinfection. *C. difficile* is one of the most clinically relevant spore-forming species. Both studies assessed multiple disinfectants against *C. difficile* spores.

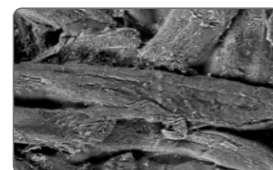
In both studies, Clinell Peracetic Acid Wipes were the top-performing wipe^{5,6}. Clinell Peracetic Acid Wipes killed a higher percentage of spores than any other wipe⁵, they removed *C. difficile* spores from more sample sites than any other wipe⁶ and they were the only wipe not to transfer *C. difficile* spores from one surface to another⁵.

Clinically proven protection for patients

Carter & Barry. Nursing Times. 2011;107(36).

Clinell Peracetic Acid Wipes aren't just proven effective in a lab, they're shown to reduce the risk of *C. difficile* infection by 72%¹⁴. By introducing Clinell Peracetic Acid Wipes into a London teaching hospital, and replacing chlorine-based disinfection methods, the authors found a dramatic reduction in their infection rates, calculated to save them £660,000 per year.

Using Clinell Peracetic Acid Wipes significantly reduced the environmental bioburden⁹



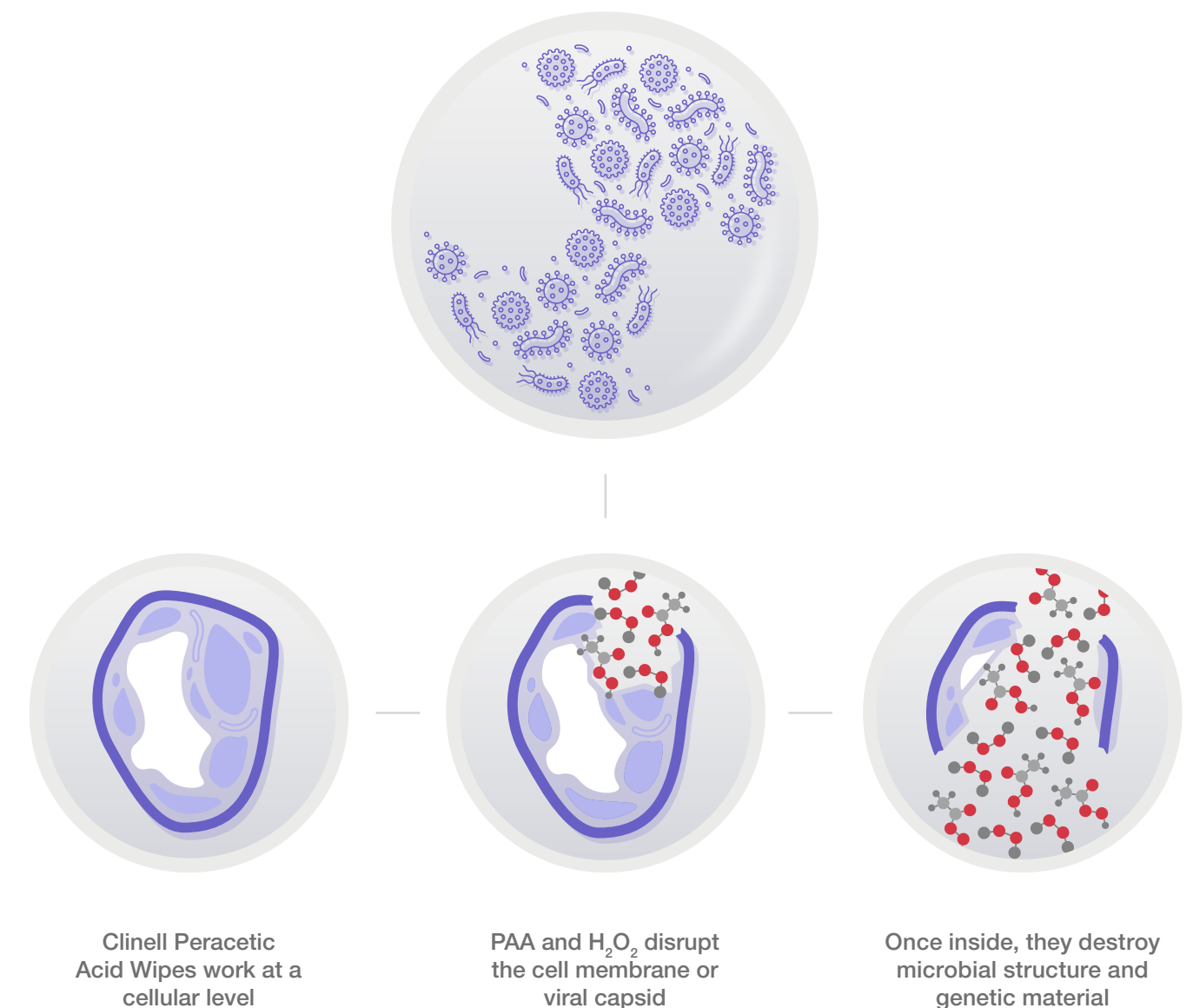
C. difficile spores trapped in the fibres of a Clinell Peracetic Acid Wipe. The patented construction prevents transference to other surfaces. Adapted from Siani et al⁵

Intracellular/ Intraviral

Disrupts every layer of microbial defence.

The combination of peracetic acid and hydrogen peroxide helps break through spore coats, cell membranes and viral capsids. Once there, they act on the machinery the microorganisms need to function.

Clinell Peracetic Acid Wipes have a non-specific, oxidative action. They release peracetic acid and hydrogen peroxide synergistically to wipe out even hard-to-kill organisms.



Patented technology

Unique dual-layer construction.

Clinell Peracetic Acid Wipes pack over 15 years of infection prevention expertise into a patented dual-layer wipe. The pre-active substances are laid between the layers. Once the wipe is exposed to water, it triggers a reaction in the wipe, generating a unique blend of oxidative disinfectants that tackle high-risk and hard to kill organisms.

Cleans and disinfects

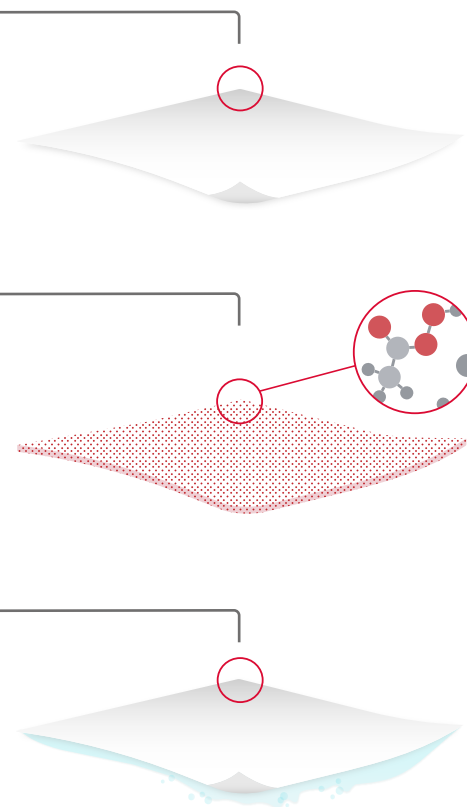
Our unique dual-layer construction traps microorganisms, whilst added detergents make sure Clinell Peracetic Acid Wipes are just as effective in dirty conditions.

Gentle on surfaces

By combining the action of peracetic acid and hydrogen peroxide, we're able to achieve unbeatable disinfectant efficacy at near neutral pH. Clinell Peracetic Acid Wipes are therefore kind to surfaces, unlike other peracetic acid-based products.

5x the surface coverage

Thanks to our unique construction, each single Clinell Peracetic Acid Wipe delivers surface coverage equivalent to 5 standard disinfectant wipes. This reduces wasted wipes, time and money.



Complete protection

The advantages of wipes.

Surface hygiene is a cornerstone of infection prevention. We need to make sure the products we use are proven in the real world.

Clinell Peracetic Acid Wipes are designed by infection prevention specialists - a collaboration between formulation chemists, microbiologists and clinicians. They offer important real-world advantages.

Improving practice

Traditional, chlorine solutions are often subject to low compliance and user error. Chlorine is inactivated by organic matter. That means surfaces must be pre-cleaned before they can be disinfected with chlorine. In the real world, this extra step results in poor compliance and low disinfectant efficacy.

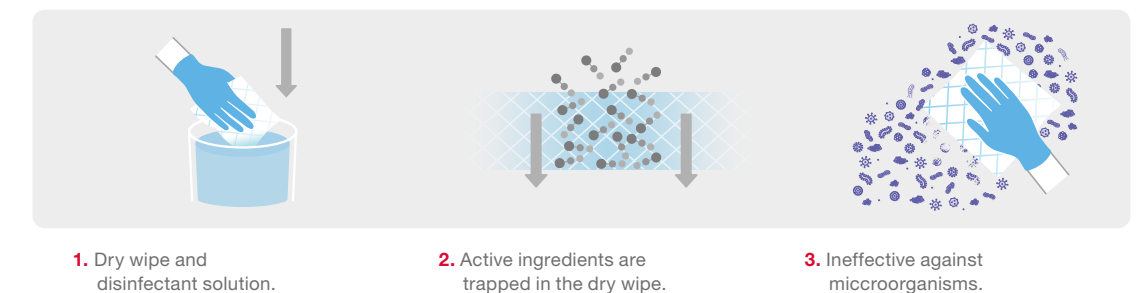
Repeated real-world studies show that replacing chlorine solutions with Clinell Universal and Clinell Peracetic Acid Wipes results in cleaner surfaces¹⁵, fewer pathogens in our environment^{6,9} and reduced spread of healthcare-associated pathogens^{14,16}.

Gentle on surfaces

Thanks to their unique formulation, Clinell Peracetic Acid Wipes are tough on microorganisms but gentle on surfaces. We work with medical device manufacturers to produce robust compatibility data, testing to make sure Clinell Peracetic Acid Wipes don't cause environmental stress cracking, colour damage or residue build up. Meaning you don't have to compromise between patient safety and the longevity of your equipment.

Effective dose every time

Dry wipe and solution

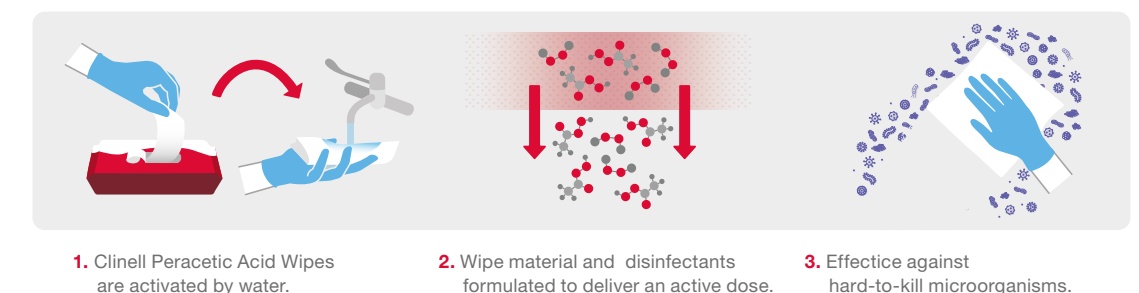


1. Dry wipe and disinfectant solution.

2. Active ingredients are trapped in the dry wipe.

3. Ineffective against microorganisms.

Clinell Peracetic Acid Wipes



1. Clinell Peracetic Acid Wipes are activated by water.

2. Wipe material and disinfectants formulated to deliver an active dose.

3. Effective against hard-to-kill microorganisms.

Product comparison

Infection, prevention, innovation.

The Clinell product range is the gold-standard in environmental hygiene. Together they offer a complete solution for everyday decontamination, terminal cleaning and outbreak response.

Clinell products help healthcare organisations achieve real results. Introducing Clinell Universal Wipes resulted in a 55% reduction in MRSA acquisition¹⁶, Clinell Peracetic Acid Wipes produced a 72% reduction in *C. difficile* infections¹⁴ and Clinell Violet provides protection from MDROs 5x faster than other UV devices¹⁸.



Clinell Universal Wipes

Everyday cleaning and disinfection
Trusted by 9 out of 10 NHS hospitals. Effective against the most common causes of healthcare-associated infections.



Clinell Violet UV-C Room Sanitiser

Powerful UV-C room disinfection
5x faster than competing UV devices¹⁸. Clinell Violet adds an extra layer of protection to terminal cleaning without increasing turnaround time.



Clinell Peracetic Acid Wipes

High-level cleaning and disinfection
The most powerful wipe in the world. Using patented technology to eradicate hard-to-kill organisms and dry surface biofilms.

Key features	Universal Wipes	Peracetic Acid Wipes	Violet UV-C Room Sanitiser
Ideal for daily disinfection	✓		
Ideal for outbreaks, high risk and hard-to-kill organisms		✓	✓
Powerful cleaning action	✓	✓	
Effective in dirty conditions	✓	✓	✓
Clinically proven to reduce Multi-Drug Resistant organisms	✓	✓	✓
Kills 99.999% of bacteria	✓	✓	✓
Kills 99.99% of viruses	✓ *Limited spectrum efficacy	✓	✓
Kills 99.99% of fungi		✓	
Kills 99.99% of yeast	✓	✓	✓
Kills 99.99% of bacterial spores		✓	✓
Effective against dry surface biofilms		✓	

GAMA Healthcare

Unbeatable support.

Clinell products are developed and manufactured by GAMA Healthcare. Founded in 2004 by two NHS doctors, GAMA Healthcare is at the forefront of infection prevention technology, driving scientific innovation in surface disinfection, skin hygiene and patient isolation products.

Product offering

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 ($P < 0.0001$)¹⁹. 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%¹⁶.

Order info



Peracetic Acid Wipes
25 wipes per pack
Product code: CS25
NHS code: VJT113



Wipes Dispenser
Single unit
Product code: CS25D



Universal Wipes
200 wipes per pack
Product code: CW200
NHS code: VJT118



Violet UVC Machine
1 machine unit
Product code: CUV360

To find out more, speak to your GAMA Healthcare Area Manager or visit www.gamahealthcare.com

100% of staff
felt training would
improve their practice.

A total of **182**
training days.

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 ”



Trained over
32,000 staff.

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Use disinfectants safely.

Always read the label and product information before use.

Always follow medical equipment manufacturer's cleaning procedures and guidelines.