



Patient Equipment Decontamination

Surfaces provide a reservoir for a number of bacteria and viruses where they can survive for prolonged periods of time. Furthermore, when contaminated, they enable the transmission of these pathogens simply through touch – presenting a risk of infection.

In a clinical setting, the risk is compounded by immunocompromised patients, who are more susceptible to infection, as well as patient equipment, which is often shared, presenting a risk of HAI acquisition. Decontamination of such equipment therefore plays a key role in breaking the chain of infection.

The Risk of Infection

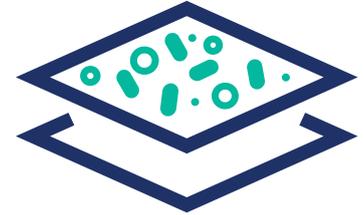
Crucial medical equipment is relied upon to administer care. Yet, without being effectively and routinely cleaned, it can become contaminated by bodily fluids and infectious agents. This can act as a vector of transmission between patients who, in hospital settings, will often have compromised immune systems and therefore be more susceptible to infection.

Adenoviruses are particularly stable and can survive on surfaces for prolonged periods of time. It has therefore essential to decontaminate equipment thoroughly before and after use by all patients.

The Limits of Manual Cleaning

Manual cleaning is essential to ensure the prevention and control of infection. But while detergent- and disinfectant-based cleaning products and methods are able to control microbial and viral pathogens such as MRSA and norovirus, they are not enough.

Manual cleaning alone cannot provide the assurance that the reduction of pathogens meets safe, non-infective levels. This is often a result of unavoidable human error but also because the effectiveness of this method of cleaning is difficult to measure. As a result of the inefficiency of manual cleaning, new approaches have been proposed.



Did you know...



UV-C RADIATION HAS BEEN PROVEN TO REDUCE **99.8%** OF C.DIFF SPORES IN 50 MINUTES AND **99.9%** OF VEGETATIVE BACTERIA ON SURFACES IN AS LITTLE AS 15 MINUTES¹

- Fully automated UV-C systems significantly reduce *C. difficile*, VRE, and MRSA contamination on frequently handled hospital surfaces
- Hydrogen peroxide systems may offer reliable microbicidal activity against all hospital pathogens²



Sources: See overleaf.

How Inivos Can Help

Inivos offers a highly effective decontamination service thanks to the use of its innovative UV-C light ray and hydrogen peroxide vapour disinfection robots. This technology ensures an efficacious and effective decontamination of patient equipment, with a proven, measured, system of validation for each and every cleaning cycle.

Using this technology, which has been independently verified to achieve a log 6 reduction of bacteria, we offer whole room decontamination as a scheduled managed service contract or as an on-call service for emergency situations, specific areas or projects.

Our Service

Our service is particularly suited to decontaminate equipment storage and isolation rooms. It is best taken in conjunction with our whole room decontamination service.

We manage our service from end-to-end to ensure all stakeholders are aligned through clear communication of a complete project plan. Our teams of qualified technicians are able to operate 24 hours a day, 365 days a year to ensure rapid turnaround and minimum disturbance or disruption to the clinical schedule. This involves:

Pre-Cleaning Assessment

Our technician carries out pre-process safety and preparation checks; sorting the equipment to be decontaminated into a cohort, ensuring the area has been manually cleaned and removing curtains, linen and other absorbent materials from the area.

They then further prepare the area for decontamination, which may include sealing access points with DVI tape or erecting sheeting if necessary to compartmentalise the whole room. Where appropriate, fire alarm systems and vents will be sealed and isolated.

Finally, the technician will liaise with clinical or hospital staff in adjacent areas to ensure they are fully informed about the decontamination process.

Active Cleaning

The next step is to carry out the decontamination process using the correct and most appropriate disinfection robot. This will either be through the use of our UV-C light ray system, Ultra-V, or with our low concentrate hydrogen peroxide vapour system, ProXcide.

Validated Assurance

After cleaning and disinfecting, our technician will check the area is safe to readmit patients, dismantle any enclosures and remove the disinfection robot and equipment to allow clinical or hospital staff to prepare the room for the readmission of patients.

Our Approach

Our approach follows a set of steps which we apply to every part of what we do. This involves analysing your needs and environment, designing solutions fit for purpose and delivering effective results.

Our knowledge and expertise allows us to provide the very best in decontamination, with a particular emphasis on the efficacy and safety of our models.

Why Inivos?

Not only are we an established and trusted name in healthcare, with facilities and hospitals around the world relying on our advanced hydrogen peroxide vapour and UV-C light disinfection robots, but we also offer **a level of expertise second to none**, and **services not provided by other companies**, including managed service contracts and the most innovative technologies.



Multiple areas included



Evidence based processes



Validated assurance



Dedicated project management

Helping you provide patient-ready spaces with on-call decontamination and managed services

24 RAPID RESPONSE
HOUR **0800 652 2689**



Our Inivos services are easy to arrange and tailored to your requirements:

Call **0845 270 6690** or email **customerservices@inivos.com**