



MAT FM is now able to offer hydrogen peroxide decontamination of operating theatres, recovery areas, critical care, sterile services, aseptic suites, cleanrooms, containment laboratories and all critically ventilated departments.

Decontamination is carried out by our trained service engineers prior to handover of a completed new build or refurbishment project, or as part of a regular periodic maintenance proposition, or as an emergency call-out. The system kills at least 99.99% of harmful bacteria, viruses, fungi and mould, and offers outstanding support to any infection prevention and hygiene regime.

It can be very difficult to decontaminate the specialist equipment and various surfaces in hospital and life science areas. However, the delivery system for the hydrogen peroxide vapour used in the process MAT FM offers reaches areas where traditional cleaning methods cannot, providing thorough and effective disinfection.

#### **BENEFITS OF MAT FM'S DECONTAMINATION SERVICE**

- **Effective:**
  - always kills 99.99% of harmful pathogens (4-log kill)
  - achieves 99.999% on C.diff and Geobacillus (6-log kill)
- **Quick:** takes only a few minutes to treat a standard area
- **Easy:** can be undertaken with minimal disruption
- **Versatile:** suitable for many areas and any surface
- **Efficient:** treatment is delivered in just one application
- **Non-toxic:** non-allergenic and poses no risk to humans, animals, plants or the environment
- **Cost-effective:** costs less than many traditional methods





A key element of the system's success is that it is touchless - while wiping spreads contamination from surface to surface, this innovative technology works on a 'spray and walk away' basis. The environmentally friendly decontamination method uses stabilised hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) and silver (Ag), which breaks down into simple, 100% biodegradable, non-toxic water and oxygen.

The hydrogen peroxide vapour is delivered via fogging for total area disinfection, or as a spray for surface disinfection. An oxidising agent, it destroys bacterial cell walls by stealing their electrons then leaves a safe and undetectable layer of silver ions on surfaces to prevent future contamination.



### A RANGE OF STANDALONE SERVICES

Decontamination and disinfection are just part of our range of solutions for critically ventilated departments. Other services and support packages available include:

- **Microbiological air sampling (plate testing)**
- **HEPA filter disposal and replacement including PU Gasket HEPA filter upgrades replacing 'downward gel'**
- **Annual servicing and validation of UCV canopies**
- **Annual verification and air balancing for operating theatre suites**
- **Primary air handling plant servicing and upgrades**
- **Ductwork cleaning and maintenance**



**For more information, please contact**  
**service@medicalairtechnology.com or call 0844 871 2100.**

Written and distributed by: MAT FM  
Further information: Pam Brierley  
Call: 0844 871 2100  
Email: pam.brierley@medicalairtechnology.com

**Need solutions? Let's work together**

At Medical Air, we aim high - we are committed to being the automatic choice for every life sciences facility that needs safe, clean, productive environments.