

Media Release

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HYDROGEN PEROXIDE DECONTAMINATION FROM MAT FM – EFFECTIVE DISINFECTION OF SENSITIVE AREAS

MAT FM is now able to offer hydrogen peroxide decontamination of operating theatres, recovery areas, critical care, sterile services, aseptic suites, cleanrooms and containment laboratories. It can be 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. It is non-corrosive so safe for use on electronic devices and equipment and can be used on all material types. This means that no special preparation is required before an area is vacated for decontamination. The system is also suitable for a positive pressure environment. These attributes make it ideal for the sensitive areas served by MAT FM, which often include equipment such as ultraclean ventilation (UCV) canopies, operating lights, delicate endoscopic or monitoring equipment, safety cabinets and high powered microscopes.

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 (H₂O₂) 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.

MAT FM recently carried out hydrogen peroxide decontamination at Fairfield Independent Hospital, spraying everything in two theatre suites, plus recovery and adjoining areas, with medical equipment left in situ. The area was then fogged to ensure thorough disinfection.

Benefits

- 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

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