

IAQ Bio-Decontamination Services

Recognising that healthcare, pharmaceutical and scientific laboratories have different needs, IAQ Consultants Singapore has launched an entirely new service option for the decontamination of controlled areas.

IAQ Bio-decontamination services include:

- Annual site inspection
- Provision of risk assessment and method statement
- Fully challenged decontamination cycle
- Detailed report and decontamination certificate
- Entire laboratory or building decontamination
- Independently verified technology
- An alternative fumigation method to formaldehyde

IAQ decontamination technology now has proven efficacy against Mycobacterium tuberculosis (TB) along with many other micro-organisms. IAQ Bio-Decontamination Service has a successful disinfectant system for laboratories cleanrooms, aseptic processing areas and hospital wards etc.

The fumigation of a laboratory can be a lengthy and drawn out procedure, closing the laboratory for several days. Formaldehyde has always been the traditional fumigation method for laboratory decontamination, yet with long lead times, persistent residues and the need for post fumigation cleaning, it has never been considered an optimal solution. Classed as a Schedule 1 chemical under COSHH there is now a responsibility to prevent exposure to formaldehyde as far as is reasonably practical.

Equally, concerns over the carcinogenicity of formaldehyde and introduction of strict regulations governing chemical emissions have prompted France to ban the sale and use of formaldehyde as of 1st January 2007. It is anticipated that this trend will continue and that the introduction of the Biocidal Products Directive (BPD) combined with the Integrated Pollution Prevention and Control (IPPC) will force other countries to follow suit.

Hydrogen Peroxide Vapour Technology

IAQ Bio-Decontamination Service offers the benefits of hydrogen peroxide vapour technology without the capital outlay of equipment purchase. IAQ has a wealth of experience in bio-decontamination of laboratories cleanrooms, aseptic processing areas, hospital wards and building in general.

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