

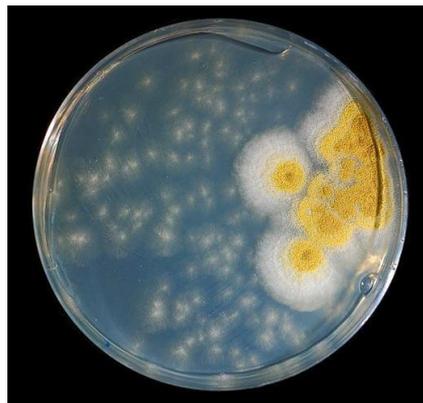


Specialist Sampling Services

Specialist Sampling for Aspergillosis spores and other microbiological contaminants are as essential in your responsibilities as routine and rapid testing for better known bacteria such as Legionella and Pseudomonas.

HBE provides specialist services for:

- Sampling and analysis of air for Aspergillus
- Operating Theatre Infection Control
- Rapid Legionella and Pseudomonas sampling



Sampling and analysis of air for Aspergillus

Nosocomial (i.e. hospital acquired) outbreaks of aspergillosis have become a well-recognised complication of construction, demolition or renovation work in or near hospital wards in which immunosuppressed patients are housed.

HBE provide the following service, based on National Disease Surveillance Centre "National Guidelines for the Prevention of Nosocomial Invasive Aspergillosis during Construction/Renovation Activities":

- Provision of technical competent personnel to visit site with an air sampler and Agar plates.
- Sample areas specified by client.
- Send the plates to the laboratory for incubation and enumeration.
- Send report to client.

- Site visits are determined by the client and can be either planned in advance for the timeframe of the project or as one off site visits.

Materials and equipment:

- Sampling Instrument: Surface Air Systems microbiological air sampler as specified in NDSC guidance.
- Medium: Czapek Dox Agar as specified in NDSC guidance.

Operating Theatre Infection Control Microbiological Sampling

HBE provide the following service based on The Hospital Infection Society guidance on "Microbiological Commissioning and Monitoring of Operating Theatre Suites" as referenced in HTM 03-01 Part A:

- Provision of technical competent personnel to visit site with an air sampler and Agar plates.
- Sample areas as specified in HTM 03-01 Part A.
- Send the plates to the laboratory for incubation and enumeration.
- Send report to client.
- Site visits are determined by the client and can be either planned in advance for the timeframe of the project or as one off site visits.

Materials and equipment:

- Sampling Instrument: Surface Air Systems microbiological air sampler.
- Medium: Nutrient agar for general sampling or as specified by the customer.

LEGIONELLA CONTROL

INDOOR AIR QUALITY

ASBESTOS MANAGEMENT

HVAC COMMISSIONING

FIRE RISK ASSESSMENT

ENVIRONMENTAL SERVICES

OCCUPATIONAL HEALTH & SAFETY

DISABILITY ACCESS AUDIT

CDMC/PSDP

COMPLIANCE TRAINING

WEB-BASED COMPLIANCE SYSTEM



Rapid Legionella* and Pseudomonas Sampling

Using GeneDisc Real-time PCR technology HBE can offer rapid, sensitive and specific quantification of Legionella* and Pseudomonas in water samples which:

- detects stressed cells
- is more sensitive than culture
- allows results to be turned around in 24 hours*

The test involves:

- Filtration of 1 litre of water
- Extracting the DNA from the bacteria retained by the filter
- Purifying the DNA
- Amplification of any Legionella DNA present in the sample using specific primers
- Measurement of the amount of DNA detected.

Results are reported as the number of genomic units detected per litre.

As the test will also detect the viable but non-culturable cells it is more sensitive than traditional culture. However for healthcare premises, it is recommended that a culture is carried out concurrently

Tests have shown that a negative PCR (below the action levels) is a good predictive indicator of a negative culture.

**Results are usually turned around in 24-48 hours depending on how many samples are submitted at any given time and what time they arrive in the lab.*

Web Based Risk Compliance System

We understand how important it is to have access to up-to-date information. With HBE, you have the option to access your reports and manage your building compliance via our award winning secure online Risk Compliance System. Through MBR360 you can see the findings of all inspections and tests undertaken.

About HBE Risk Management

With over 30 years' experience as trusted advisors to some of the UK and Ireland's largest private and public sector organisations, HBE Risk Management, has the knowledge and expertise to ensure that our clients' buildings not only meet, but exceed all legislative and health and safety requirements.

Whether you are responsible for an acute hospital, a manufacturing or industrial facility, an office block, a school or other building to which the public have access, our industry-accredited team offers leading environmental health expertise and a range of specialist services

For more information about how HBE Risk Management can support you in meeting and managing your environmental compliance responsibilities, contact your local HBE office, email info@hberm.com or visit www.hberm.com



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