

ONE INSTRUMENT – MULTI PURPOSE

No other test equipment on the market today allows you to detect and analyze air, bulk and surface samples for fungal and bacterial contamination on-site in less than an hour.



MYCOMETER® AIR

REPRODUCIBLE AND VERIFIED BIOAEROSOL TECHNOLOGY

APPLICATIONS

- Initial diagnostic assessment*
- Rapid remediation clearance testing*
- Pre/Post HVAC cleaning documentation*
- Healthy Building Assessments*
- Expedite disaster response damage assessment*
- Healthcare ICRA documentation*
- Routine maintenance cleaning confirmation*

mycometer
rapid microbiology – on-site technology



MYCOMETER is the leading developer of user friendly, robust and rapid, on-site microbiology methods for the IAQ Industry over the last 14 years.

WHAT IS MYCOMETER®-AIR?

Mycometer®-air is the only USEPA verified rapid method for quantifying airborne fungal biomass. With a sampling time of 15 minutes and a reaction time of 30 minutes, Mycometer®-air makes it possible to obtain rapid onsite results.

Reproducibility has been the key for the development of this method. Protocols for sampling and for analysis are standardized to ensure that Mycometer data generated from project to project is the same for every person running a Mycometer®-air test all over the world. Two conditions contribute to the often substantial variability in traditionally collected air data for fungal propagules: the microscopic analysis and in-homogeneous environments. Whether identifying fungal species from cultivations or counting of fungal spores and hyphal fragments from spore traps the microscopy has an element of subjective interpretation that is eliminated by using the Mycometer®-air technology. When the USEPA tested Mycometer®-air, the reproducibility and repeatability was found to be very high.¹ Even more important, though, is the variation in the level of airborne mould propagules that will give high variability independent of the methods used. The main cause of this variability is differences in the activity levels (human or other activity) where settled fungal propagules are re-aerosolized. With the Mycometer aggressive sampling protocol the variability in the activity has been eliminated by simulating a high level of activity producing data independent of activity level prior to or during sampling. Call us to learn more or discuss this approach.

MYCOMETER®-AIR ADVANTAGE

- High reproducibility (<10% RSD) in the methodology
- The Mycometer®-air test is verified by USEPA
- Objective analysis free from subjective evaluation
- Elimination of high short term variability with a standardized aggressive sampling protocol
- Aggressive Post Remediation sampling (similar to that used for asbestos) gives the best possible results for confident project completion
- Low chance of false negatives when using the aggressive sampling protocol
- Rapid results onsite
- No overloading
- Interpretive criteria for many applications

¹In the EPA Verification Program (ETV) the reproducibility was tested by having two individuals testing samples using two different equipments. The relative standard deviation (RSD) on the measurements were found to be around 5-9%, which is a very high reproducibility compared to other methods available for measuring fungal propagules in air samples. Also see http://www.epa.gov/etv/pubs/600r12002/600r12002vs_my.pdf

²Field guide for the Determination of Biological Contaminants in Environmental Samples 2. Edition, American Industrial Hygiene Association

