

## 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® SURFACE

## ON-SITE FUNGAL CONTAMINATION ASSESSMENT

### APPLICATIONS

- Initial diagnostic assessment*
- Visual contamination confirmation*
- Bulk samples/porous materials*
- Contamination/remediation assessment*
- Rapid remediation clearance testing*
- Pre/Post HVAC cleaning documentation*
- Fragile materials assessment*
- Expedite disaster response damage assessment*
- Healthcare ICRA documentation*
- Routine maintenance cleaning confirmation*

### WHAT IS MYCOMETER®-SURFACE?

Mycometer®-surface is a versatile analytical tool for testing surfaces and bulk materials for mold contamination *on-site*. This US-EPA verified technology (2011) has been developed by research mycologists at the University of Copenhagen in collaboration with building inspectors and mold remediation specialists. The aim has been to specifically develop a method to quantify the level of mold on different building materials and surfaces as well as inside porous materials (bulk samples). The Mycometer®-surface method provides you with validated criteria for documenting and delineating the amount of fungal biomass on surfaces. Since 1998, the method has provided users a proven tool to rapidly assess environments with confidence and a competitive advantage resulting in a rapid return on investment. No other verified technology gives you the experience of tens of thousands of mold remediation cases all over the world.

### ADVANTAGES

Mycometer®-surface measures spores, hyphae, fragments and can even measure non-viable cells.

The field portable method allows you to analyze up to 20 samples on-site in one hour. A mandatory user certification course ensures that all persons are trained in accordance with the specified test method procedures.

In a laboratory setup with a trained technician up to 70 samples can be analyzed per hour.

Mycometer®-surface interpretation criteria that differentiates mold growth, atypical surfaces and normal or clean surface.

A protocol and criteria for evaluation of bulk materials is available allowing quantification of fungal biomass inside porous materials such as insulation materials, mortar and concrete, ventilation filters and much more.

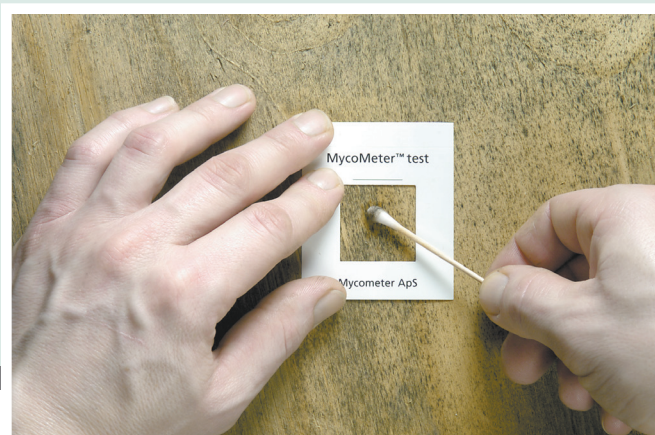
Mycometer®-surface improves the logistics of your field operation saving time and money. With the on-site analysis, you retain the chain of custody and avoid shipping costs and associated delays with laboratory analysis. With Mycometer®-surface, you can generate income while providing your client with rapid reliable results at a cost comparable to tape lift analysis and cultivations.

**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.



- USEPA verified technology
- ASHRAE Innovation Award Recipient
- Many peer reviewed independent scientific studies have used and documented the technology
- Used in practice in tens of thousands mold remediation cases during the last 14 years



#### INTERPRETATIVE CRITERIA

Data has been collected from hundreds of samples to establish the interpretation criteria. These categories of surface contamination were developed as a result of testing performed in collaboration with the Danish Building Research Institute and the Technical University of Denmark.

- The level of mold is not above normal background level.
- The level of mold is above normal background level. This is typically due to high concentrations of spores, hyphal fragments in dust deposits but may in some cases indicate the presence of old mold damage (mold growth).
- The level of mold is high above normal background levels due to mold growth.

#### WHY USE MYCOMETER®-SURFACE

- **On-site analysis.** Determine the level of fungal contamination on surfaces and in bulk material samples in less than an hour.
- **Repeatable and reliable method.** Robust chemistry is the basis of the method which has been scientifically tested and field proven.
- **Easily interpreted.** The robust chemistry provides defined cut off values for clean/not clean and for normal or contaminated levels.
- **Cost Effective.** Cost comparable to standard lab analysis of tapelift or spore trap samples.

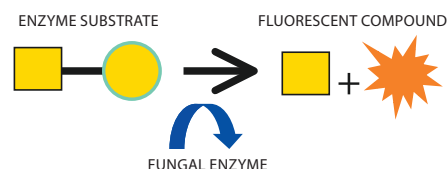
#### ADDITIONAL INFORMATION

- Certification training provided with each kit.
- Sample assays sold separately.
- Each sample contains all sampling media and chemistry necessary to analyze one sample.
- Method corrects for temperature effects on Enzyme Activity.
- Assays can be stored for up to 18 months.

#### ASHRAE Innovation Award Recipient

#### TECHNOLOGY

##### Fluorometric Detection of Fungal Enzyme Activity



Easy 4 Step Procedure Yields Analytical Results

1. Collect sample (surface or bulk).
2. Extract sample for ~30 minutes.
3. Transfer reaction solution to a cuvette
4. Read sample cuvette in the Fluorometer.

A trained technician can analyze up to 70 samples per hour. The results have been scientifically validated and published in peer reviewed journals (available upon request).

#### ANALYSIS EQUIPMENT KIT INCLUDES:

- Battery-Powered Fluorometer
- Thermometer
- Auto-Measure Pipette
- (2) Sample Racks
- Timer
- Travel Case
- User certification training CD or flashdrive
- Calibration standards

#### FOR QUESTIONS OR TO ORDER CONTACT:

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**Rapid. Repeatable. Robust.**

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