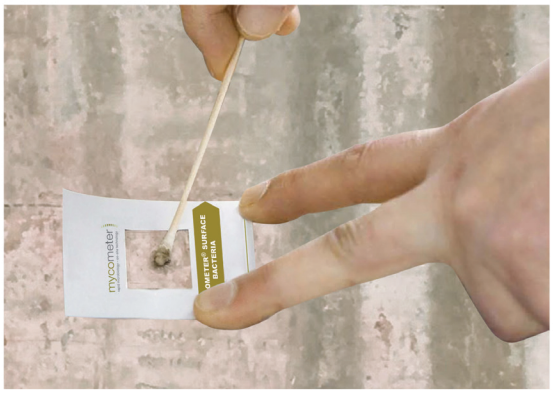
MYCOMETER® SURFACE BACTERIA

WHAT IS MYCOMETER® SURFACE BACTERIA?

Mycometer surface Bacteria (MSB) is a versatile analytical technology to test surfaces for bacterial contamination on-site. The only rapid US-EPA verified technology to assess bacterial contamination and developed specifically for the Indoor Air Quality market.



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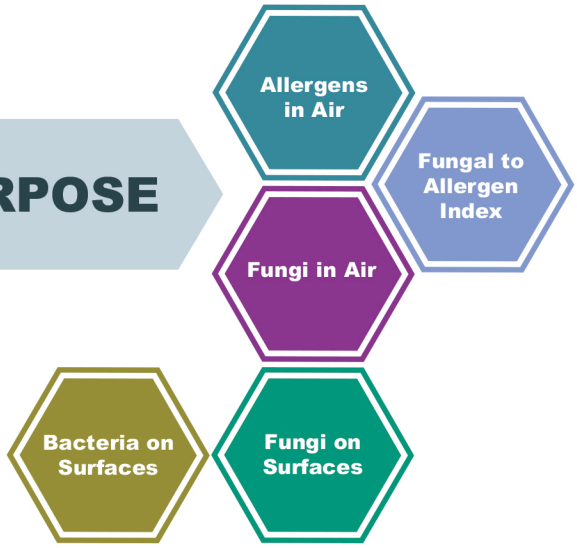
ONE INSTRUMENT - MULTI PURPOSE



ADVANTAGES

Quantifies bacterial biomass on site in less than an hour.

Method protocols produce reproducible results independent of the analyst.

Verified MSB interpretation criteria differentiates three levels of bacteria. 1) contaminated areas. 2) reservoirs normally occurring on dusty/dirty surfaces in uncontaminated buildings. 3) clean surfaces.

The interpretation criteria are easy to communicate and provide project to project consistent results.

Onsite analysis improves the logistics of project completion by eliminating delays waiting for results.

Correlates to endotoxin but are much easier to measure.

APPLICATIONS

- Rapid post remediation verification.
- Initial diagnostic assessment.
- Expedite disaster damage response.

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 for over 25 years.

U.S. EPA´s Environmental
Technology Verification Program

- USEPA verified technology
- ASHRAE Innovation Award Recipient
- Library of peer reviewed independent scientific studies

INTERPRETATION CRITERIA

The criteria were developed by statistical analysis of data and have been used for over 25 years.

A The level of bacteria on the surface is not above normal background level, defined as; the level found on visually clean surfaces in non-flooded buildings with no water damage, equivalent to IICRC Standard S500, Category 1. Category A is the success criteria for post remediation clearance.

B The level of bacteria on the surface is above the normal background level, defined as the level found on visually clean surfaces in non-problem buildings. Category B level is equivalent to that found on normally occurring reservoirs, what is found on dusty/dirty surfaces.

C The level of bacteria is above that normally found on dirty surfaces in non-water damaged buildings. Category C results are obtained on surfaces containing very high levels of bacteria either due to sedimentation after a flooding or leak of sewage. Can also be obtained on permanently moist/wet surface where bacteria can grow.

Mycometer® surface Bacteria

Bacteria on surfaces

Building: Flooded house X
Samples by: NN
Remarks:

Sampling date: Any Day 2023
Case #.: 100100

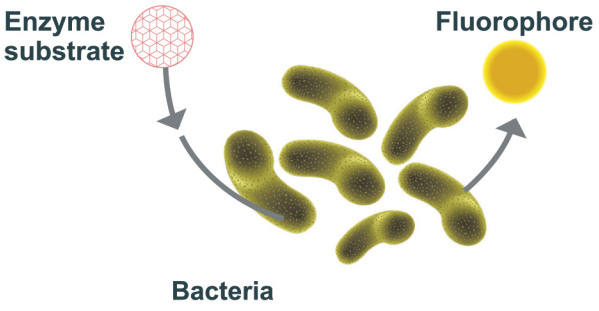
Sample #	Sample ID	Before cleaning	After cleaning	Mycometer Value MSFV	A	B	C
1	Floor in kitchen	X		466			X
2	Floor in basement	X		2339			X
3	Floor in living room	X		598			X
4	Wall in living room	X		290		X	
5	Floor in kitchen		X	17	X		
6	Floor in basement		X	22	X		
7	Floor in living room		X	4	X		
8	Wall in living room		X	7	X		

THREE EASY STEPS

1. Collect sample.
2. React sample for ~30 minutes.
3. Read sample in the Fluorometer.

HOW DOES IT WORK?

The principle of the technology is
Enzyme Targeted – Fluorogenic Detection



ADDITIONAL INFORMATION

- One equipment kit used for all sample and analysis types.
- Certification training provided with each kit.
- Online access to videos, procedures, and documentation.
- Each sample test assay contains sampling media and chemistry for one sample.
- Assays are stored under refrigeration; shelf life 18 months.

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