



# Sporometrics

## Sampling Methods and Interpretation of Lab Results for Fungi and Bacteria

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Continuing  
Education  
Course Registration

## Overview – Sampling Methods and Interpretation of Lab Results for Fungi and Bacteria

This course is intended primarily for occupational hygienists, engineers and health & safety specialists engaged in the investigation and management of indoor microbial biocontamination.

Approaches to conducting building investigations will be discussed and proper use of sampling equipment will be emphasized. In depth discussion will be provided on approaches to interpreting the results of environmental sampling data, including techniques for reconciling datasets that appear incongruent and strategies for providing critical appraisal of sampling datasets for legal purposes.

Lunch & refreshments provided

Course

Location: Sporometrics  
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Toronto

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t: 888 516 1660

e-mail: [info@sporometrics.com](mailto:info@sporometrics.com)

For more information  
please visit our website

[www.sporometrics.com](http://www.sporometrics.com)



## Course Highlights

This course has been awarded:

- 1 MP by the Canadian Registration Board of Occupational Hygienists (CRBOH)
- 0.5 CMPs by the Board of Canadian Registered Safety Professionals (BCRSP)
- 1 Industrial Hygiene CM by the American Board of Industrial Hygienists (ABIH)

Course Duration: 6 hours

Intended Audience: OHS / EHS Specialists,  
Building Scientists and Engineers, Property  
and Building Managers, Health and Safety  
Committee Members



## Course Objective

Upon the completion of this course, participants will be familiar with the sampling techniques and analytical methods most frequently used during an assessment of biological contaminants in an indoor environment.

## Course Description

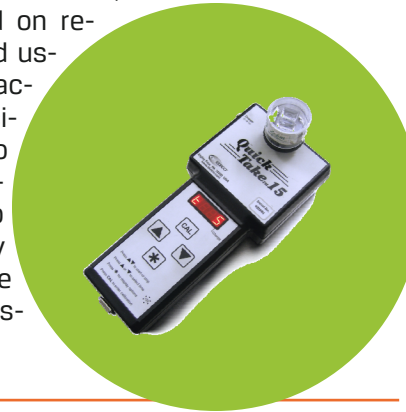
In this interactive course, key considerations for designing a sampling plan that will provide meaningful results will be emphasized. The information presented will enable each participant to apply their knowledge on a specific case-by-case basis to answer the basic questions of when, where and how fungi and bacteria should be sampled.

Various field techniques for sample collection and the methodologies utilized by laboratories for ana-

lyzing the samples will be reviewed. Participants will have the opportunity to try the different sampling methods presented.

A tour of the laboratory will allow for first hand observation of the analytical methods used.

Interpretation of laboratory analytical results for both fungi and bacteria will be presented. Types of microbial growth, limit of detection, raw counts and other elements found on reports will be explained using examples from actual report data. Participants will be able to share field experiences through group discussion and apply what they have learned to those discussions.



## AGENDA

- 8:45 Introductions
- 9:00 Choosing an Investigation and Sampling Strategy
  - tools and approaches
  - when and how to sample
- 9:45 Direct Sampling Methods
  - bulk sampling | swab sampling | tape lifts | WallChek | dust
- 10:30 BREAK
- 10:45 Air Sampling Methods
  - RCS sampling | Andersen N6 | spore traps | MCEM Filter
- 11:45 Introduction Laboratory Analysis Methodologies/Laboratory Tour
- 12:15 LUNCH

- 13:15 Interpretation of Sampling Data
  - qualitative approaches
  - statistical and quantitative approaches
  - guidelines and information resources
  - limitations of sampling results
  - special considerations (e.g. post-remediation sampling)
  - common errors
- 14:15 When sampling datasets disagree
  - inconsistencies between different sampling methods
  - advanced strategies for aligning difficult datasets
  - sampling for legal purposes
  - critical appraisals of sampling datasets for legal purposes
- 15:15 BREAK
- 15:30 Case study discussion
- 16:00 Mock Scenario

To enroll please complete the form below and return to us with payment.

Enroll:	Course Date	Price*
<input type="checkbox"/> Sampling Methods & Interpretation	_____	\$349.00
	# of attendees _____ X	\$349.00
<input type="checkbox"/> <b>AND</b> Introduction to Mould in the Indoor Environment (both courses)	_____	\$600.00
	# of attendees _____ X	\$600.00

### SAVE \$100

Enroll in both Introduction to Mould in the Indoor Environment **AND** Sampling Methods & Interpretation

Total: \_\_\_\_\_

\* includes applicable tax

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