



# Basic Microscopy

## Basic Microbiology Curriculum

Sponsored by the Centers for Disease Control and Prevention Laboratory Training Branch

### DESCRIPTION

To function effectively in a microbiology laboratory, laboratorians must have a basic knowledge and understanding of the components, setup, procedures, and care and maintenance of a brightfield (compound) microscope. This eLearning course will instruct participants on the importance of a correctly setup brightfield microscope for the identification of microorganisms.

### AUDIENCE

New or existing public health laboratorians, who have a science background, are entering or reentering the microbiology field and who need training in basic microscopy principles and techniques essential for performing job requirements.

### OBJECTIVES

At the conclusion of this program, the participant will be able to:

- Identify the major components of the microscope and their function.
- Identify how to maintain a microscope.
- Discuss the role of Kohler illumination in microscopy.
- Describe the process to correctly focus on the appropriate field of view.
- Use the ocular micrometer to measure an object under the microscope.
- Demonstrate the ability to troubleshoot encountered problems with the microscope.

### REGISTRATION

#### FREE REGISTRATION

- Locate the course online at [www.cdc.gov/labtraining](http://www.cdc.gov/labtraining)
- Follow the link to register for the course in TRAIN
- If you have difficulty with the online registration process, please email [labtraining@cdc.gov](mailto:labtraining@cdc.gov)
- For additional program information, email [labtraining@cdc.gov](mailto:labtraining@cdc.gov) or call (404) 498-6022

### CONTINUING EDUCATION

The Centers for Disease Control and Prevention Laboratory Training Branch is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® Program. This course is approved for **1.0** contact hours.

This course has been approved for **1.0** contact hours in the category of Microbiology/Mycology/Parasitology for Florida Laboratory Licensees.

### SPECIAL NEEDS

Course content is closed captioned where applicable and optimized for a screen reader.



P.A.C.E.® Course Number: 288-012-13

FL Course Number: 20-434651

For a complete list of courses, visit [www.cdc.gov/labtraining](http://www.cdc.gov/labtraining).