

# BASIC MICROSCOPY

## BASIC MICROBIOLOGY CURRICULUM

PROVIDED BY: CDC LABORATORY TRAINING AND SERVICES

AN ONLINE LEARNING/ELEARNING COURSE  
AVAILABLE AT [WWW.CDC.TRAIN.ORG](http://WWW.CDC.TRAIN.ORG)



**U.S. Department of  
Health and Human Services**  
Centers for Disease  
Control and Prevention

## 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 bright field (compound) microscope. This eLearning course will instruct participants on the importance of a correctly setup bright field microscope for the identification of microorganisms.

## AUDIENCE

This basic level course is designed for 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.

## SPECIAL NEEDS

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

## FREE REGISTRATION

- Register online at [www.cdc.gov/labtraining](http://www.cdc.gov/labtraining)
- 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.org](mailto:labtraining@cdc.org) or call (404) 498-6022

## CONTINUING EDUCATION

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

## 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.

## CE INFORMATION

P.A.C.E.™ Course Number: 288-019-17

FL Course Number: 20-434651

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