

# MICROBIOLOGY CURRICULUM: BASIC MICROSCOPY

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

Sponsored by the  
Division of Laboratory Systems,  
Center for Surveillance, Epidemiology and Laboratory Services,  
Centers for Disease Control and Prevention



## DESCRIPTION

The microscope is an important diagnostic tool, used in laboratories, that allows you to view organisms too small to otherwise be seen. In order to accurately use the microscope, laboratory professionals must have a basic understanding of its parts and sections, care, maintenance, focus, and procedures for ensuring optimal illumination.

This basic-level eLearning course will review the correct use and maintenance of the brightfield microscope, including troubleshooting commonly encountered problems.

## AUDIENCE

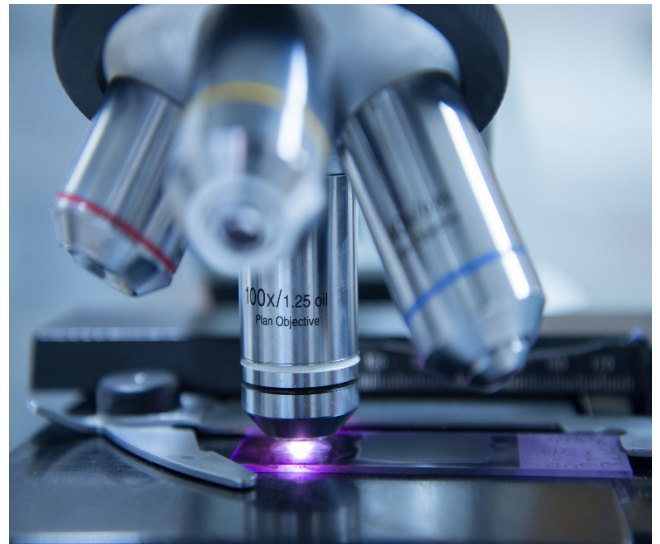
This basic level course is designed for new or existing public health and clinical laboratory professionals, individuals with a science background who are entering or reentering the microbiology field, or individuals needing training in basic microscopy principles and techniques.

## SPECIAL NEEDS

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

## 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)



## OBJECTIVES

At the conclusion of this course, 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.

## CONTINUING EDUCATION

The Centers for Disease Control and Prevention, Division of Laboratory Systems is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.<sup>®</sup> Program. This course is approved for 1.0 contact hours. P.A.C.E.<sup>®</sup> course number: 288-010-19

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