Online Course

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
- Follow the link to register for the course in TRAIN
- If you have difficulty with the online registration process, please email labtraining@cdc.gov
- For additional program information, email 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.

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