

Routine Microscopy Procedures

Basic Microbiology Curriculum

SPONSORED BY THE CENTERS FOR DISEASE CONTROL AND
PREVENTION LABORATORY TRAINING BRANCH

AN ONLINE LEARNING/ELEARNING COURSE
AVAILABLE AT WWW.CDC.TRAIN.ORG



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

DESCRIPTION

This eLearning course is designed to familiarize laboratorians with routine microscopy procedures used in the microbiology laboratory. Laboratorians will explore the required steps for a smear preparation as well as the requirements for preparing and interpreting the results of Gram stains, wet mounts, potassium hydroxide (KOH), and India Ink procedures.

AUDIENCE

New or existing public health laboratorians, who have a science background, are entering or reentering the microbiology field and who need training in routine microscopy 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
- If you have difficulty with the online registration process, please email labtraining@cdc.gov
- For additional program information, email labtraining@cdc.org or call (404) 498-6022

CE INFORMATION

P.A.C.E.™ Course Number: 288-020-17

FL Course Number: 20-434648

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 1.5 contact hours.

This course has been approved for 1.5 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:

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- Outline the steps of preparing a smear.
- Express the purpose of the Gram stain procedure.
- Identify the types of reagents used in the Gram stain procedure.
- Sequence the steps in the Gram stain procedure.
- Interpret the results seen in the bacterial cells, with the effects of the various reagents during the Gram stain procedure.
- Outline the potassium hydroxide (KOH) procedure and its uses.
- Identify how to prepare and interpret a wet mount.
- Identify the steps and results obtained in the India ink procedure.
- Identify and resolve commonly encountered problems during routine microscopy procedures.

For a complete list of courses, visit www.cdc.gov/labtraining.