Online Course

Antimicrobial Susceptibility Testing (AST)

Basic Microbiology Curriculum

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

DESCRIPTION

This eLearning course is designed to familiarize laboratorians with antimicrobial susceptibility testing (AST) practices and procedures used in the microbiology laboratory. Laboratorians will review AST, learn the importance of using current CLSI guidelines for AST, and compare antimicrobial susceptibility testing methods including commercial systems for AST.

AUDIENCE

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

OBJECTIVES

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

- Describe antimicrobial susceptibility testing (AST) in the microbiology laboratory.
- Explain the importance of using and meeting current CLSI guidelines for AST.
- Compare disk diffusion, minimum inhibitory concentration (MIC) testing, and Etest™ as antibiotic susceptibility testing methods.
- Identify the strengths and limitations of commercial systems for AST in the microbiology laboratory.

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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