Online Course

MASTER: Antimicrobial Susceptibility Quality Assurance and Quality Control

Sponsored by the Centers for Disease Control and Prevention Office of Antimicrobial Resistance

DESCRIPTION

This course provides a detailed overview of the components of quality control (QC) and quality assurance (QA) necessary for antimicrobial susceptibility testing. It focuses on the selection of QC strains and the testing process, including responsibilities, troubleshooting, and ongoing validation of testing quality. The course provides essential information for those new to antimicrobial susceptibility testing and serves as an important refresher for experienced laboratory professionals.

AUDIENCE

Laboratory professionals who have knowledge of basic medical microbiology and who perform antimicrobial susceptibility testing or are considering adding it to the laboratory's testing menu.

OBJECTIVES

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

- Identify the components of a quality assurance program for antimicrobial susceptibility testing.
- Associate the specific CLSI-recommended quality control strains for disk diffusion and MIC tests with the maintenance of the strains.
- Identify corrective actions to be taken when a daily or weekly quality control result is out of range.
- Recognize important processes of QA/QC including frequency of testing and documentation.
- Given an acceptable antimicrobial agent disk diffusion range for a quality control strain, indicate if a specific test result is within range.
- Outline recommendations for verifying antimicrobial susceptibility test results on patients' isolates.

REGISTRATION

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.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.

laboratory training branch

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