



Biochemicals and Gram Negative Organism ID

Basic Microbiology Curriculum

Sponsored by Centers for Disease Control and Prevention Laboratory Training and Services

Branch, Division of Laboratory Systems

| DESCRIPTION |

This eLearning course is designed to familiarize laboratorians with how to read a Gram stain, colonial characteristics, and biochemical tests used to identify Gram negative microorganisms as well as commonly used testing algorithms. The course will only cover aerobic microorganisms, those that grow in the presence of oxygen.

| AUDIENCE |

New or existing public health and clinical laboratorians, who have a science background, are entering or reentering the microbiology field and who need training in biochemical test methods and Gram negative microorganism identification essential for performing job requirements.

| OBJECTIVES |

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

- Identify different types of bacterial morphology seen on a Gram stain
- Identify different types of colonial characteristics
- Use flowcharts and identification charts to identify some common aerobic Gram negative microorganisms
- Associate various biochemical tests with their correct applications
- Interpret the results of biochemical methods

| 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.

P.A.C.E.® Course Number: 288-021-18

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