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DEPARTMENT OF HEALTH AND HUMAN SERVICES  
CENTERS FOR DISEASE CONTROL AND PREVENTION  
WITH SUPPORT FROM THE CDC FOUNDATION



## Purpose:

Antimicrobial susceptibility testing is becoming increasingly complex as new antimicrobial agents are introduced and bacteria develop new resistance mechanisms. These changes present challenges for the clinical laboratory in testing and reporting. This CD-ROM is designed to provide instruction for meeting these challenges by answering the following questions:

- 1 How do antimicrobial agents work?
- 2 What organisms should I test?
- 3 What antimicrobial agents should I test?
- 4 What methods should I use?
- 5 How should I report results?



## Ordering Information:

Contact the Association of Public Health Laboratories (APHL) to receive a CD for your laboratory free of charge:

2025 M Street, NW Suite 550  
Washington, DC 20036  
Phone: 202-822-5227 ext. 231  
<http://www.aphl.org/>  
E-mail: [ast@aphl.org](mailto:ast@aphl.org)

See MASTER website  
for periodic updates on the  
topic of antimicrobial susceptibility  
testing:

<http://www.phppo.cdc.gov/DLS/master/default.asp>



An Interactive  
Educational CD-ROM  
For Your Laboratory

# The CD-ROM Contains 4 Separate Modules

Providing an **UPDATE** for Clinical and Public Health Microbiology Laboratory Staff

## Module I (Modes & Mechanisms)

- Modes of Action
- Beta-lactamase

*Continuing education credits will be offered for various professionals based on 1.25 hours of instruction*

## Module II (Testing Methods)

- Use of NCCLS Standards
- Disk Diffusion Testing
- MIC Testing
- Quality Control/Quality Assurance
- Commercial Systems

*Continuing education credits will be offered for various professionals based on 2.5 hours of instruction*

## Module III (Gram-Positive Organisms)

- *Staphylococcus* spp.
- *Enterococcus* spp.
- *Streptococcus pneumoniae*
- *Streptococcus* spp.

*Continuing education credits will be offered for various professionals based on 2.0 hours of instruction*

## Module IV (Gram-Negative Organisms)

- *Enterobacteriaceae*
- *Non-Enterobacteriaceae*
- *Haemophilus* spp.
- *Neisseria* spp. and *Moraxella* spp.
- *Anaerobes*

*Continuing education credits will be offered for various professionals based on 2.25 hours of instruction*



Continuing Education Units (CEUs) and Continuing Medical Education Units (CMEs) are available for each of the 4 modules separately.  
To apply: Register at the PHTN website: <http://www.phppo.cdc.gov/phtnonline>