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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

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

<http://www.cdc.gov/dls/master>



**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://www2a.cdc.gov/TCEOnline>