

Date: 3/18/25

Effective Date: 3/22/25

Title: Antibiotic Update

Test: Susceptibility Testing


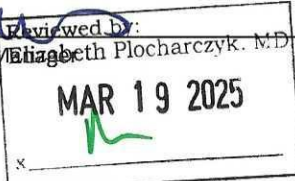
Explanation:

The following changes will be implemented for all antibiotic testing performed in EPIC.

1. The gram negative antibiotic panel has been updated, including an extension panel containing additional antibiotics.
2. The extension panel will be added to:
 - a. All inpatients
 - b. Outpatients with non-lactose fermenting organisms or possible ESBL and carbapenem resistant organisms.
3. The new gram negative panel will follow the most current recommendations for antibiotic breakpoints. Many of the breakpoints are lower so providers may notice increased resistance detection.
4. Organisms with possible carbapenem resistance will be tested in-house with the Carba-R PCR test instead of being sent to a referral lab. Patients with known carbapenem resistance will not be tested.
5. Both gram negative and gram positive antibiotic panels will follow cascade reporting. Any resistant antibiotics will always be reported. Please contact the microbiology lab if additional antibiotic susceptibilities are needed.
6. Antibiotics will only be reported with Interpretations. The MIC values will only be visible to pharmacy, infectious disease providers and laboratory staff.

The updated gram negative panel and cascading algorithms were developed by the antibiotic stewardship teams at Cayuga and Arnot.

Please contact the Microbiology Lab at (607)274-4474 with any questions.


Reviewed by: _____ Date 3/18/25
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Laboratory Medical Director or Designee