

Laboratory Services Important Test Announcement

NEW ANTIMICROBIAL SUSCEPTIBILITY PANELS FOR ENTERIC GRAM-NEGATIVE RODS

Live Date: 3/25/2025

Effective 3/25/2025, the Clinical Microbiology Laboratory will implement new commercial panels for antimicrobial susceptibility testing of Enterobacterales (Enteric Gram-negative rod bacteria). The previously used commercial panels are no longer available. Changes to routine antimicrobial susceptibility test offerings are outlined below.

Revised antimicrobial susceptibility offerings for enteric Gram-negative rods:

	Previously	NEW! Effective March 25, 2025
Cefazolin	<p>Urine sources A single breakpoint routinely reported on all Enteric Gram-negative isolates representing uncomplicated UTI.</p> <p>Non-urine sources Cefazolin (systemic breakpoints) tested on request</p>	<p>Urine sources Separate breakpoints for cystitis AND febrile UTI/pyelonephritis <u>routinely reported</u> for <i>E. coli</i>, <i>Klebsiella pneumoniae</i>, and <i>Proteus mirabilis</i> isolates¹.</p> <p>Non-urine sources Cefazolin (systemic breakpoints only) <u>routinely reported</u> for Enteric Gram-negative isolates.</p>
Meropenem	<p>Urine sources Tested on request.</p> <p>Non-urine sources Routinely tested, reported if isolate is not susceptible to ceftriaxone or cefepime.</p>	<p>Urine sources Routinely tested, reported if isolate is not susceptible to ceftriaxone or cefepime.</p> <p>Non-urine sources Routinely tested, reported if isolate is not susceptible to ceftriaxone or cefepime.</p>

Ertapenem	All sources (urine/non-urine) Tested on request	All sources (urine/non-urine) Routinely tested, reported if isolate is not susceptible to ceftriaxone or cefepime.
Doxycycline	All sources (urine/non-urine) Only send-out testing available.	Non-urine sources Routinely reported.
Amikacin	Urine sources Tested on request. Non-urine sources Routinely tested, reported if isolate is not susceptible to gentamicin, tobramycin or amikacin.	All sources (urine/non-urine) Tested on request.

¹ Enteric Gram-negative isolates other than *E. coli*, *K. pneumoniae* and *P. mirabilis* will have cefazolin (systemic breakpoints only) routinely reported from urine sources.

There will be no changes to other antimicrobial agents routinely reported for enteric Gram-negative rods (i.e. ampicillin, ceftriaxone, gentamicin, nitrofurantoin, piperacillin-tazobactam, trimethoprim-sulfamethoxazole).

These changes have been made in consultation with the Antimicrobial Stewardship Program, Infectious Disease Division and Pharmacy.

For clinical questions, please contact the Antimicrobial Stewardship Program or the Infectious Disease consult service.

For more information regarding these changes, contact the Microbiology Laboratory (614-722-5373).