New Test

2014277 Antimicrobial Susceptibility – Carbapenemase Gene Detection by CARBAR PCR

Available Now

Methodology: Qualitative Polymerase Chain Reaction
Performed: Sun-Sat
Reported: 1-4 days

Specimen Required: Collect: Actively growing Enterobacteriaceae, Pseudomonas aeruginosa, or Acinetobacter baumannii in pure culture.
Specimen Preparation: Transport sealed container with pure culture on agar slant/bacterial transport media. Place each specimen in an individually sealed bag.
Storage/Transport Temperature: Room temperature.
Remarks: Isolate identification (for cultures) and specimen source required.
Unacceptable Conditions: Mixed cultures or non-viable organisms.
Stability (collection to initiation of testing): Ambient: 1 week; Refrigerated: 1 week; Frozen: Unacceptable

Reference Interval: Not Detected

Interpretive Data: This assay detects five carbapenemase gene families (blaKPC, blaNDM, blaOXA-48, blaVIM, blaIMP) encoding enzymes that may confer resistance to carbapenem and other beta-lactam antibiotics. This assay is intended for use as an aid to infection control in the detection of carbapenem-resistant bacteria and is not intended to guide or monitor treatment of infection. A negative result does not exclude the presence of other resistance mechanisms or assay-specific nucleic acid in concentrations below the level of detection.

Note: An additional processing fee will be billed for all isolates not submitted in pure culture, as indicated in the specimen requirements.

If species identification is not provided, identification will be performed at ARUP. Additional charges apply.

CPT Code(s): 87150

New York DOH approval pending. Call for status update.

HOTLINE NOTE: Refer to the Test Mix Addendum for interface build information.