

Test Menu

TOPIC	DESCRIPTION
Test Name	Aerobic Culture - HAI/AR Isolate
Other Name (s)	N/A
Analyte(s)	Bacteria
Test Code	2910
Lab location	Jacksonville location
Department	Microbiology
Pre-Approval Required	None
Required Forms	DH1847, include NPI (National Provider Identification)
Specimen Sources	Any clinically relevant sources
Supplemental Information- Special Specimen Preparation	Pure isolate with resistance to carbapenems detected by phenotypic tests. Isolates to be submitted on appropriate nutrient agar slants
Minimum Volume	N/A
Storage Conditions	N/A
Collection Media	Nutrient agar slant
Specimen Labeling	Patient name, DOB, date of collection, and NPI (National Provider Identification)
Packaging and Shipping Instructions and Handling	Ship at 15-30°C on a nutrient agar slant within 48 hours of growth. Include paperwork with specimens, but separate them physically
Test Methodology	MALDI-TOF (Matrix assisted laser desorption ionization time of flight), mCIM, and real-time PCR (CARBA-R), Etest for susceptibility
Turnaround Time	5 business days
Result Indicator	Qualitative: identification in culture of bacteria presumptively determined to be resistant to carbapenems
Unsatisfactory Specimen	No patient identification on sample Names on sample and requisition slip do not match. Specimens damaged or leaked in transit. Isolates from the same patient received within 2 months of previous submission will be cancelled. Duplicate isolates submitted within 2 months of previous submission will be cancelled.
Interferences and Limitations	Non-viable, mixed cultures may not yield reportable results
Additional Information & Notes	Organism ID by MALDI-TOF, carbapenemase detection, detection of drug resistance gene markers, drug susceptibility testing. Duplicate samples sent within the month will not be tested.
Reference Range	Negative
Reference Lab	ARLN TN (Antibiotic resistance Laboratory Network Regional Lab, Tennessee) and CDC
Reflex testing	WGS (Whole genome sequencing)