

Carbapenemase Resistant Enterobacteriaceae Testing

Test Description	Carbapenemase Resistant Enterobacteriaceae (CRE) isolate submission for characterization including identification confirmation, antimicrobial susceptibility testing, carbapenemase phenotypic screening, and PCR.
Test Use	Characterization of CRE to aid in infection prevention measures.
Test Department	Microbiology Phone: (860)920-6596, FAX (860)920-6721
Methodology	Organism Identification by MALDI-TOF or commercial kit ID (e.g. API 20E), antimicrobial susceptibility testing by broth microdilution and/or disk diffusion method, phenotypic testing by modified Carbapenem Inactivation Method (mCIM), and Real-Time PCR.
Availability	Daily, Monday-Friday
Specimen Requirements	Enterobacteriaceae isolates with carbapenem resistance (MICs of ≥ 4 mcg/ml against Doripenem, Imipenem, or Meropenem, and/or ≥ 2 mcg/ml against Ertapenem) identified in clinical isolates from sterile sites, sputum, or urine.
Collection Kit/ Container	
Collection Instructions	Clinical CRE isolate should be submitted on non-inhibitory/non-selective agar slant (18-24 hrs. old).
Specimen Handling and Transport	Transport to the laboratory as soon as possible. Store and transport at room temperature (21°-30°C) or with a cooler pack.
Unacceptable Conditions	Unlabeled specimens. Specimens that have leaked or containers that have broken in transit Specimens submitted on expired media No clinical samples (i.e. blood, urine, etc.) ONLY isolates.
Requisition Form	Clinical Test Requisition: Select CRE Panel and insert organism name
Required Information	Name and address of submitter (and/or Horizon profile #) Patient name or identifier, town of residence (city, state, zip), date of birth Submitter sample ID, specimen type or site of collection, date of collection, and test requested. Patient name of requisition must match name on specimen or specimen may be rejected.
Limitations	
Additional Comments	Carbapenemase Resistant Enterobacteriaceae (CRE) are reportable on the OL-15C form, and are required to be submitted to the state laboratory for confirmation.

Revision: 09/27/2017