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## Detection of Carbapenem Resistant Genes by Real Time PCR

### Laboratory Submission Information Sheet

Reporting of suspect case to Maine CDC	<ul style="list-style-type: none"><li>• Yes: If you have not already done so, please report suspect or confirmed cases to the Maine CDC via the disease reporting line: 1-800-821-5821 (24hrs/day 7 days/week.). CRE is also known as carbapenem resistant organism, carbapenemase producing organism.</li></ul>
Required To Submit Laboratory Specimen	<ul style="list-style-type: none"><li>• Isolate submission is required for all carbapenemase-producing carbapenem-resistant organisms. If phenotypic or resistance mechanism test results are not available for a carbapenem-resistant organism, then isolate submission of the carbapenem-resistant organism is required to determine carbapenemase-producing status.</li></ul>
Required Information	<ul style="list-style-type: none"><li>• Information on requisition must include: suspected organism if known or required, patient name, DOB, date of collection, specimen source or type, submitter name and contact information.</li><li>• <b>Important: all specimens must be labeled with patient name and be accompanied by a HETL requisition.</b></li></ul>
Specimen Requirements	<ul style="list-style-type: none"><li>• Submit a fresh Bacterial isolate on slant/plate or broth</li><li>• Submit all antibiotic susceptibility data.</li></ul>
Collection Instructions	<ul style="list-style-type: none"><li>• DO NOT submit clinical material</li><li>• Isolates should be sent on appropriate biological growth media.</li><li>• For Shipping, Handling, and Transport: specimens are category B</li><li>• Ship samples at ambient temperature</li></ul>
Turn Around Time	<ul style="list-style-type: none"><li>• Results are generally available within 3 business days of specimen receipt</li></ul>
Unacceptable Conditions	<ul style="list-style-type: none"><li>• Specimens received without a form and clinical details or with insufficient material to analyze.</li><li>• Specimens in poorly labeled/unlabeled or leaking containers.</li><li>• Mixed cultures.</li></ul>
Results	<ul style="list-style-type: none"><li>• Gene families will be reported as either detected or not detected; <i>NDM</i>, <i>KPC</i>, <i>VIM</i>, <i>IMP</i>, <i>OXA</i>.</li><li>• Results will only be reported to the submitter listed on the requisition.</li></ul>
Laboratory Testing Fee	<ul style="list-style-type: none"><li>• \$110 (Fee waived if testing/identification is part of an outbreak investigation by Maine CDC)</li></ul>
Applicable CPT Codes	<ul style="list-style-type: none"><li>• 87798 (PCR)</li></ul>
Additional Information	<ul style="list-style-type: none"><li>• Bacteriology at 207-287-1704</li><li>• Virology, Respiratory, Arbovirus, Serology, and STI at 207-287-1722</li><li>• Molecular Biology, Sequencing, and Foodborne at 207-287-5769</li><li>• Mycobacterium and Rabies at 207-287-1706</li></ul>