MEMORANDUM

To: Hospitals and Submitting Laboratories
From: DC Public Health Laboratory
Date: 1/26/2018
Subject: CRE Isolate Submission Request

The District of Columbia is beginning to conduct laboratory-based surveillance for epidemiologically relevant antibiotic resistant microorganisms. Please assist with these surveillance efforts by submitting carbapenem resistant Enterobacteriaceae (CRE) following the guidelines below.

1) CRE Definitions
   a. Enterobacteriaceae resistant to a carbapenem antibiotic following current guidelines.

   Note: *Proteus*, *Providencia*, or *Morganella* spp. may show elevated MICs to Imipenem. At this time, please only submit isolates which are also resistant to an additional carbapenem antibiotic.

<table>
<thead>
<tr>
<th>Antibiotic</th>
<th>Resistant MIC (µg/ml)</th>
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<tbody>
<tr>
<td>Doripenem</td>
<td>≥ 4</td>
</tr>
<tr>
<td>Ertapenem</td>
<td>≥ 2</td>
</tr>
<tr>
<td>Imipenem</td>
<td>≥ 4</td>
</tr>
<tr>
<td>Meropenem</td>
<td>≥ 4</td>
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</tbody>
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   b. Any Enterobacteriaceae found to be a carbapenemase-producer via a phenotypic or genotypic carbapenemase test (ex. Modified Hodge, Carba-NP, PCR)

2) Specimen Submission
   a. Streak isolate to an agar slant for growth and store refrigerated until pickup. If your facility has previously frozen isolates available, please contact the DC PHL at 202-481-3937 to coordinate a bulk submission.

   b. Print out your facilities antibiotic susceptibility report for each isolate.

   c. Fill out a Specimen Requisition form for each isolate and select “CRE”.


   e. Submit the CRE isolate, antibiotic susceptibility report, requisition, and chain of custody to the DC PHL as quickly as possible with your next scheduled pickup.

3) Reports/Questions
   a. Aggregate result reports will be provided to the submitting laboratory, additional details to follow.

   b. For questions, please contact 202-481-3937.