



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.

Antibiotic	Resistant MIC ($\mu\text{g/ml}$)
Doripenem	≥ 4
Ertapenem	≥ 2
Imipenem	≥ 4
Meropenem	≥ 4

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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".
- d. Fill out a Chain of Custody form. <https://dfs.dc.gov/publication/phl-forms-and-documents>
- 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.