Carbapenem Resistant Enterobacteriaceae (CRE), Carbapenem Resistant Pseudomonas aeruginosa (CRPa) and/or Carbapenemase Producing bacteria

INCLUSION CRITERIA
Isolate must meet one or more of the following criteria

1. Minimum Inhibitory Concentrations (MIC):
   CRE
   • ≥ 4 μg/ml for meropenem, imipenem, or doripenem
   • ≥ 2 μg/ml for ertapenem
   CRPa
   • ≥ 8 μg/ml for meropenem, imipenem, or doripenem

   Note: for bacteria that have intrinsic imipenem non-susceptibility (Morganella, Proteus, Providencia spp), resistance to carbapenems other than imipenem is required.

2. Disk Diffusion susceptibility testing methods:
   CRE
   • zone diameter breakpoint ≤ 19mm for meropenem, imipenem, or doripenem
   • zone diameter breakpoint ≤ 18mm for ertapenem
   CRPa
   • zone diameter breakpoint ≤ 15mm for meropenem, imipenem, or doripenem

3. Enterobacteriaceae and other bacteria that exhibit evidence of carbapenemase production demonstrated by one of the following test:
   • Modified Hodge test
   • CarbaNP
   • Polymerase Chain Reaction (PCR) for KPC, NDM, VIM, IMP, OXA-48
   • metallo-β-lactamase test
Carbapenem Resistant Enterobacteriaceae (CRE), Carbapenem Resistant Pseudomonas aeruginosa (CRPa) and/or Carbapenemase Producing bacteria

Report all infections, including non-healthcare-associated, within 24 hours to Epidemiology and Response Division (ERD) by fax at 505-827-0013 or by phone at 505-827-0006.

[*] Laboratory or clinical specimens are required to be sent to the Scientific Laboratory Division (SLD).

NOTIFIABLE DISEASES OR CONDITIONS IN NEW MEXICO:
https://nmhealth.org/publication/view/regulation/372/

7.4.3.13 NEW MEXICO ADMINISTRATIVE CODE:
http://www.nmcpr.state.nm.us/nmac/parts/title07/07.004.0003.htm

ALL REPORTS INCLUDING ELECTRONIC LABORATORY REPORTS OF NOTIFIABLE CONDITIONS MUST INCLUDE:
1. The disease or condition being reported;
2. Patient’s name, date of birth/age, gender, race/ethnicity, address, patient’s telephone numbers, and occupation;
3. Physician or licensed healthcare professional name and telephone number; and
4. Healthcare facility or laboratory name and telephone number, if applicable.

SUBMISSION
Please send isolates to SLD
1101 Camino de Salud NE Albuquerque, NM 87102

Collection: Send isolate on culture medium such as nutrient agar slants or MAC agar plates.

Special Requirements: Carbapenemase producing Enterobacteriaceae plasmids are not stable. Keep isolate refrigerated until shipment. Avoid multiple sub-cultures.

Handling: Refrigerate immediately upon growth of isolate.

Include: Copy of susceptibility report and Clinical Test Request form.

Analysis Requested: Under Bacteriology, please check “Other:” and write in “CRE” and organism genus and species.

Shipping: Send cold, on an ice pack. Do not freeze. Pack as a Category B Specimen in accordance with all Department of Transportation (DOT) and International Air Transport Association (IATA) guidelines. Send to the Scientific Laboratory Division (SLD).

Contact: GM Supervisor (505-383-9128), or GM Line Supervisor (505-383-9127).