

Carbapenem Resistant *Enterobacterales* (CRE), Carbapenem Resistant *Pseudomonas aeruginosa* (CRPa), Carbapenem Resistant *Acinetobacter baumannii* (CRAB) and/or Carbapenemase Producing *bacteria*
INCLUSION CRITERIA

Isolate must meet one or more of the following criteria

1. Minimum Inhibitory Concentrations (MIC):

CRE

- ≥ 4 $\mu\text{g/ml}$ for meropenem, imipenem, or doripenem
- ≥ 2 $\mu\text{g/ml}$ for ertapenem

CRPa

- ≥ 8 $\mu\text{g/ml}$ for meropenem, imipenem, or doripenem **AND** ≥ 16 $\mu\text{g/ml}$ (nonsusceptible) for cefepime or ceftazidime

CRAB

- ≥ 8 $\mu\text{g/ml}$ for meropenem, imipenem, or doripenem, or if pan-nonsusceptible

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 $\leq 19\text{mm}$ for meropenem, imipenem, or doripenem
- zone diameter breakpoint $\leq 18\text{mm}$ for ertapenem

CRPa

- zone diameter breakpoint $\leq 15\text{mm}$ for meropenem, imipenem, or doripenem **AND** $\leq 17\text{mm}$ for cefepime or ceftazidime

3. *Enterobacterales* and other bacteria that exhibit evidence of carbapenemase production demonstrated by one of the following test:

- CarbaNP/CarbaR
- Polymerase Chain Reaction (PCR) for KPC, NDM, VIM, IMP, OXA-48
- modified carbapenem inactivation method (mCIM)
- other molecular methods

Note: Please do not submit duplicate isolates (same patient, specimen site, and organism) collected within 30 days.

NOTIFIABLE DISEASES in the State of New Mexico¹

Carbapenem Resistant *Enterobacteriales* (CRE), Carbapenem Resistant *Pseudomonas aeruginosa* (CRPa), Carbapenem Resistant *Acinetobacter baumannii* (CRAB) 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.

Carbapenem Resistant *Enterobacteriales Carbapenem Resistant *Pseudomonas aeruginosa**
Carbapenem Resistant *Acinetobacter baumannii****

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

¹NOTIFIABLE 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 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.
<https://www.nmhealth.org/publication/view/form/6380/>

Analysis Requested: Under Bacteriology, please check "CRE Panel", select CRE, CRPa, or Other and write in organism genus and species.

Antimicrobial Resistance
(Please attach Susceptibility Report)
 CRE Panel (Indicate below)
____ CRE: _____
____ CRPa (*P. aeruginosa*) _____
____ Other: _____

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).