

**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**

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

**CRPa**

- $\geq 8$   $\mu\text{g/ml}$  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  $\leq 19\text{mm}$  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

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- $\beta$ -lactamase test

## NOTIFIABLE DISEASES in the State of New Mexico<sup>1</sup>

### 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.

**Carbapenem Resistant *Enterobacteriaceae*\***    **Carbapenem Resistant *Pseudomonas aeruginosa*\***

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

#### <sup>1</sup>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.

BACTERIOLOGY	
<input type="checkbox"/>	B. anthracis
<input type="checkbox"/>	B. cereus/S. aureus
<input type="checkbox"/>	Culture, OMI
<input type="checkbox"/>	Culture, OMI anaerobic
<input type="checkbox"/>	Campylobacter species: _____
<input type="checkbox"/>	E. coli O157:H7
<input type="checkbox"/>	G. culture
<input type="checkbox"/>	H. influenzae typing
<input type="checkbox"/>	L. monocytogene
<input type="checkbox"/>	Plague FA and culture
<input type="checkbox"/>	Salmonella, serotype: _____
<input type="checkbox"/>	Shigella, serotype: _____
<input type="checkbox"/>	Shiga Toxin test/isolation
<input type="checkbox"/>	Strep, Group B, isolation
<input type="checkbox"/>	Tularemia culture
<input type="checkbox"/>	Vibrio
<input type="checkbox"/>	Yersinia enterocolitica: _____
<input checked="" type="checkbox"/>	Other: <u>CRE Klebsiella pneumoniae</u>

**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).