

NEBRASKA PUBLIC HEALTH LABORATORYUNIVERSITY OF NEBRASKA MEDICAL CENTER
981180 NEBRASKA MEDICAL CENTER
OMAHA, NEBRASKA 68198-1180PHONE: 402.559.2440
TOLL FREE: 866.290.1406
FAX: 402.559.9497**CRE/CPE Supplemental Form**
(Completed NPHL Test Request Form Required)

PATIENT LAST NAME		FIRST NAME		MI	COLLECTION DATE ___ / ___ / ___		
DOB	/	/	GENDER <input type="checkbox"/> MALE <input type="checkbox"/> FEMALE	PT. ID# / ADDITIONAL INFO			TIME _____ AM/PM
Source: ___ Blood ___ Bronchial Aspirate ___ Cervical ___ CSF ___ Nasopharyngeal ___ Sputum ___ Stool ___ Throat ___ Urethral ___ Urine ___ Vaginal ___ Rectal ___ Other: _____ (specify)							

Test Requested:

- Molecular Detection of Carbapenemase (**CARBAR**)
- Complete Section 1 below
- Submit isolate for testing
- Carbapenemase Resistant Enterobacteriaceae (CPE) Colonization Screen (**CARBCS**)
- Complete Section 2 below
- Submit rectal swab for testing

For questions regarding proper ordering or sample submission requirements contact:

Caitlin Murphy, PhD, Assistant Director of Clinical Microbiology - 402-552-3305, Caitlin.Murphy@unmc.edu

Section 1: Molecular Detection of Carbapenemase (CARBAR)Guidelines:

- Submission of all isolates of Enterobacteriaceae that are non-susceptible (intermediate or resistant) to any of the carbapenems
 - Exceptions are *Enterobacter cloacae* and *E. aerogenes*: only submit isolates that are non-susceptible to carbapenems other than ertapenem
 - Do not submit Enterobacteriaceae with known intrinsic resistance to carbapenems; i.e. Proteus species, Providencia species, and Morganella morganii
- Submission of all non-mucoid isolates of *Pseudomonas aeruginosa* that are non-susceptible to carbapenems other than ertapenem from non-cystic fibrosis patients
- Submission of all isolates of in-house or reference laboratory confirmed carbapenemase-producing Enterobacteriaceae

Isolate ID: _____

- Isolate Identification Method:
___ Vitek ___ MicroScan ___ MALDI-TOF ___ Other: _____
- Susceptibility:
Imipenem MIC: _____ Interp: _____
Meropenem MIC: _____ Interp: _____
Ertapenem MIC: _____ Interp: _____
Doripenem MIC: _____ Interp: _____
- Susceptibility Method*:
___ Vitek ___ MicroScan ___ Kirby Bauer ___ Other: _____

*Attach MIC Report if Available

Section 2: Carbapenemase Resistant Enterobacteriaceae (CPE) Colonization Screen (CARBCS)

- Organism and Resistance Mechanism Initiating Screen: _____
- Medical Facility: _____



Packaging and Shipping to Nebraska Public Health Laboratory

Category A Infectious Substances, Affective Humans UN2814

Category B Biological Substances, UN3373

Specimen Handling:

Practice universal blood and body fluid precautions when handling specimens. Specimens must be collected in or transferred to leak-proof primary containers. The container must have at least two patient identifiers and be placed into a secondary sealed biohazard bag to prevent contamination. The biohazard bag should be equipped with an absorbent material, large enough to absorb the entire contents if spilled. The person determining if a package can be shipped as exempt, biological or infectious substance, must be trained in the classification process. All materials must be accompanied by the appropriately completed requisition. Most clinical specimens can be handled as an exempt or category B biological substance, placed in a biohazard bag and offered to the ground courier service. All organism isolates on culture media or in broth must be triple packaged in either the Biological Substances UN3373 (Category B) or the Infectious Substances UN2814 (Category A) provided by Nebraska Public Health Laboratory (NPHL). Contact Karen Stiles at 402.598.2348 or page 402.888.5588 for shipping additional material or instructions.

Shipping Certification:

To ensure the safety of laboratory personnel and the public, proper handling of specimens and propagated organisms is mandatory. The shipper is legally responsible to comply with the rules and guidelines for transport of Division 6.2 infectious substances, which is regulated as a hazardous material under the U.S. Department of Transportation's (DOT) Hazardous Materials Regulations (HMR; 49 CFR Parts 171-178). Purpose of adherence to these regulations and requirements is to minimize the potential for damage to the contents of the package during transport and to reduce the exposure of the shipper to the risks of criminal and civil liability associated with the improper shipment of dangerous goods. Specimens and organism isolates will be rejected if submitted improperly.

Anyone involved in the classification, packaging, shipping or transportation of dangerous goods (including infectious substances) must be trained and certified in the shipment of dangerous goods (Division 6.2). Training must be function-specific, i.e., directly relevant to role the person plays in the packing and shipping process. Persons who pack and ship Category B infectious substances and exempt specimens must receive clear instructions, understand classification and be familiar with regulations. However, persons who pack and ship Category A infectious substances or ≥ 5 kg Dry Ice must receive the aforementioned training plus specific training for all functions involved in packing and shipping more hazardous Category A substances, and be certified to do so.

Transport Instructions:

After determining the exact nature and category of the substance to be shipped, the shipper must follow the appropriate packing instructions, provided by Nebraska Public Health Laboratory in each shipping box and at training sessions.

Courier Services:

Category A Infectious Substance UN2814 shipped from Omaha area must be transported to NPHL by exclusive couriers, as they are only courier specifically trained and licensed to transport Category A. Do not use routine NPHL courier. Call Client Services to arrange an exclusive courier.

All Lincoln and greater Nebraska laboratories must first notify NPHL and ship all Category A Infectious Substances via FedEx, to include airbill and shippers declaration.

To inquire about scheduled stops, and after hours courier ground service, call client services Toll Free 866.290.1406 or 402.559.2440.

Packages going by **FedEx**, ship to address:

CATEGORY A

Client Services
Nebraska Public Health Laboratory
4400 Emile Street MSB 3500
Omaha, NE 68105
Phone: 866.290.1406

CATEGORY B

Client Services
Nebraska Public Health Laboratory
601 S Saddle Creek Rd, MSB 3500
Omaha, NE 68106
Phone: 866.290.1406

Packages going by **Ground**, courier to address:

CATEGORY A*

Client Services
Nebraska Public Health Laboratory
981180 Nebraska Medical Center, MSB 3500
Omaha, NE 68198-1180
Phone: 866.290.1406

CATEGORY B

Client Services
Nebraska Public Health Laboratory
601 S Saddle Creek Rd, MSB 3500
Omaha, NE 68106
Phone: 866.290.1406

*Courier specifically trained and licensed to transport Category A. Do not use routine NPHL courier.