

NPHL Reportable Disease Quick Shipping Guide - Culture Dependent Methods

Immediate Notification:

Douglas Co. (402) 444-7214 (after hrs (402) 444-7000)

Lancaster Co. (402) 441-8053 (after hrs (402) 441-8000)

All Other Counties (402) 471-2937 (goes to Poison Center after hours)

Nebraska Public Health Laboratory (402) 559-9444 for possible select agents and specimen collection/shipping questions

	Call Immediately?	What to send?	How to ship?	What to order on NPHL form?	What to order in NUIirt?
Carbapenem-Resistant <i>Acinetobacter baumannii</i>		Original culture plate	Category B	Antibiotic Resistance to Confirm	CARBAR
<i>Bacillus anthracis</i>*	YES	Original culture plate	Category A	BTID - Report on STATPack	BTID
<i>Bordetella pertussis</i>		Charcoal Agar-isolate	Category B	Rpt Confirmed/Bank only	BPRT or BPD
<i>Brucella abortus</i>, <i>B. melitensis</i>, and <i>B. suis</i>*	YES	Original culture plate	Category A	BTID - Report on STATPack	BTID
<i>Burkholderia (Pseudomonas) mallei</i> and <i>B.pseudomallei</i>*	YES	Original culture plate	Category A	BTID - Report on STATPack	BTID
Carbapenem-Resistant Enterobacteriales (suspected or confirmed)		Isolate	Category B	Antibiotic Resistance to Confirm	CARBAR
<i>E. coli</i> O157-H7 and other Shigatoxin-positive <i>E. coli</i>		Isolate or MacSorb	Category A	Rpt Confirmed/Bank only	NPHLBK
Shigatoxin positive stools (<i>E. coli</i>) from GN broth		Original Stool in Maintenance Media (do not send GN)	Category B	Stool positive by EIA	HECCU
<i>Francisella tularensis</i>*	YES	Original culture plate	Category A	BTID - Report on STATPack	BTID
<i>Haemophilus influenzae</i> (sterile site only)	YES	Isolate	Category B	Serogroup or Serotype isolate	NPHLBK
<i>Listeria monocytogenes</i>	YES	Isolate	Category B	Rpt Confirmed/Bank only	NPHLBK
<i>Neisseria meningitidis</i> (sterile site only)	YES	Isolate	Category B	Serogroup or Serotype isolate	BNK
<i>Mycobacterium spp.</i> , invasive infection (including probable <i>M. tuberculosis</i> complex).		LJ Slant	Category A	Mycobacteriology/TB	AFBCU, AFBIS, TBAPR, TBGEN, AFBIS
<i>Mycobacterium spp.</i> , invasive infection (including atypical <i>Mycobacterium spp</i> or slow growing MAI group).		LJ Slant	Category B	Mycobacteriology/TB	AFBCU, AFBIS, TBAPR, TBGEN, AFBIS
<i>Salmonella serogroups</i> , including serotype Typhi; Send isolates requiring serogrouping to your reference lab.	Yes <i>Salmonella spp.</i> serotype Typhi ONLY	Isolate (serotype Typhi only)	Category B	Rpt Confirmed/Bank only	NPHLBK
<i>Shigella spp</i> *** (Send isolates requiring serogrouping to your reference lab. Forward all species except <i>S.sonnei</i> to NPHL. Notify NPHL if speciated as <i>S. dysenteriae</i> for special Category A shipping requirements)		Isolate	Category B	Rpt Confirmed/Bank only	NPHLBK
<i>Staphylococcus aureus</i> , vancomycin-intermediate/resistant (MIC≥4mg/mL)		Isolate	Category B	Antibiotic Resistance to Confirm	BNK or ORGCU
<i>Streptococcus pneumoniae</i> (sterile sites only)		Isolate	Category B	Rpt Confirmed/Bank only	NPHLBK
<i>Vibrio cholera</i>	YES	Isolate	Category B	Rpt Confirmed/Bank only	NPHLBK
<i>Vibrio spp.</i> , not <i>V. cholera</i>		Isolate	Category B	Rpt Confirmed/Bank only	NPHLBK
<i>Yersinia pestis</i>*	YES	Original culture plate	Category A	BTID - Report on STATPack	BTID
<i>Yersinia spp</i> , not <i>Y. pestis</i>		Isolate	Category B	Rpt Confirmed/Bank only	NPHLBK

See Footnotes on back

*** Designated as potential select agents by CDC**

CRE/ CRPA/ CRAB Submission requirements for NPHL:

- Submit a fresh subculture (<18 hours) to avoid delay in testing
- Submit isolates of Enterobacterales and/or *Pseudomonas aeruginosa* and/or *Acinetobacter baumannii* that are non-susceptible (intermediate or resistant) to carbapenems as mentioned below:
 - Enterobacterales: Ertapenem MIC \geq 1 μ g/ml or meropenem MIC \geq 2 μ g/ml or imipenem MIC \geq 2 μ g/ml or non-susceptible by disc diffusion method (See rare exceptions below)
 - *Pseudomonas aeruginosa*: Meropenem or imipenem MIC \geq 4 μ g/ml, or non-susceptible by disc diffusion method and non-susceptible to both Cefepime and Ceftazidime MIC \geq 16 μ g/ml
 - *Acinetobacter baumannii*: Doripenem \geq 4 μ g/ml or Imipenem \geq 4 μ g/ml or Meropenem \geq 4 μ g/ml or non-susceptible by disc diffusion method
 - Submit all isolates of in-house or reference laboratory confirmed carbapenemase-producing Enterobacterales (CPE) or *Pseudomonas aeruginosa* (CP-PA) or *Acinetobacter baumannii* (CRAB)
- Exceptions:
 - DO NOT submit the following isolates
 - *Proteus* species, *Providencia* species, and *Morganella morganii* non-susceptible only to imipenem but susceptible to meropenem and ertapenem
 - *Pseudomonas aeruginosa* isolates that are mucoid or from cystic fibrosis patients

*** *Candida auris* may be misidentified using some phenotypic methods. Misidentification can lead to inappropriate patient treatment and delay appropriate infection control precautions. If these *Candida spp* are identified by the following systems, send isolates to NPHL to confirm. https://www.cdc.gov/fungal/candida-auris/pdf/Testing-algorithm_by-Method_508.pdf

- Vitek 2 YST – *Candida haemulonii* or *Candida duobushaemulonii*
- API 20C – *Candida sake*, *Rhodotorula glutinis* (characteristic red color not present)
- API ID 32C – *Candida intermedia*, *Candida sake*, *Saccharomyces kluyveri*
- BC Phoenix yeast identification system – *Candida haemulonii*, *Candida catenulata*
- MicroScan – *Candida famata*, *Candida guilliermondii*, *Candida lusitanae*, *Candida parapsilosis*
- RapID Yeast Plus - *Candida parapsilosis*

*****Susceptibilities on *Campylobacter* and *Shigella spp* are recommended in-house or by commercial reference laboratory. Send isolates to NPHL only when specially requested.**

Immediate Notification for automated ELR Labs - Required to call by telephone to a live public health surveillance official within 24 hours of detection

Laboratories must submit the isolate and/or specimen within 7 days to the Nebraska Public Health Lab

Category B - NPHL UN3373 Shipping Box

Category A - NPHL UN2814 Shipping Box, including Shipper's Declaration. Shipper required to be certified every 2 years

NOTE: Future updates will be posted on <http://nphl.org> . Periodically reprint and post on bench for most accurate information.