

Nebraska Reportable Diseases Title 173 Laboratory Regulations

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 (after hours 402-471-1983)
 Nebraska Public Health Laboratory 24/7 pager 402-888-5588 (for possible select agents and specimen collection/shipping questions)

Updated 9/18/2018	Call Immediately?	What to send?	How to ship?	What to order on NPHL form?	What to order in NUlirt?
Bacillus anthracis*	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
Brucella abortus, B. melitensis, and B. suis*	YES	Original culture plate	Category A	BTID - Report on STATPack	BTID
Burkholderia (Pseudomonas) pseudomallei*	YES	Original culture plate	Category A	BTID - Report on STATPack	BTID
<i>Candida auris</i> , unusual <i>Candida</i> strains possibly misidentified**		Original culture plate	Category B	ORGCU - Confirmation ID from isolate	ORGCU
Carbapenem-Resistant Enterobacteriaceae (suspected or confirmed)		Isolate	Category B	Antibiotic Resistance to Confirm	CARBAR
<i>E. coli</i> O157-H7 and other Shiga toxin-positive <i>E. coli</i>		MacSorb or Isolate	Category A	Rpt Confirmed/Bank only	NPHLBK
Francisella tularensis*	YES	Original culture plate	Category A	BTID - Report on STATPack	BTID
Glanders [Burkholderia (Pseudomonas) mallei]*	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	BNK
<i>Listeria monocytogenes</i>	YES	Isolate	Category B	Rpt Confirmed/Bank only	NPHLBK
<i>Neisseria meningitidis</i> , sterile sites 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 S.Typhi; Send isolates requiring serogrouping to your reference lab.	S.Typhi ONLY YES	Isolate (S. Typhi only)	Category B	Rpt Confirmed/Bank only	NPHLBK
Shiga toxin positive <i>E. coli</i>		Maintenance Media	Category B	Stool positive by EIA	HECCU
<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> (all sterile sites)		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
Yersinia pestis*	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

* Designated as potential select agents by CDC

** Resistance to imipenem, doripenem, ertapenem or meropenem as defined by the CDC. Carbapenem-resistant Enterobacteriaceae (CRE) (excluding *Proteus* species, *Providencia* species, or *Morganella morganii*) are reportable to the Nebraska Department of Health and Human Services via electronic lab report, phone or fax within 24 hours.

Additionally, laboratories unable to perform phenotypic or molecular testing to confirm carbapenemase production in these organisms should send suspected CRE isolates that meet the criteria below to NPHL. Labs that are able to do such testing should only send isolates positive for carbapenemases to NPHL. Ship as Category B, Biological Substance UN3373. Guidelines for submission are below:

- Submission of all isolates of Enterobacteriaceae that are resistant to any of the carbapenems. Exceptions are *Enterobacter cloacae* and *E. aerogenes*; only submit isolates that are resistant 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 isolates of in-house or reference laboratory confirmed carbapenemase-producing Enterobacteriaceae.

***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

Public Health Lab as specified in Title 173 NAC 1-007.03

Category B - NPHL UN3373 Shipping Box

Category A - NPHL UN2814 Shipping Box. Shipper required to be certified every 2 years

Note: Sentinel laboratories should isolate all reportable diseases onto culture agar or slant, if possible. If unable to recover, send original specimen (using maintenance media if appropriate) to NPHL.

Candida auris - unusual *Candida* strains possibly misidentified - The table below summarizes common misidentifications based on identification method used. If any of the species listed below are identified, or if species identity cannot be determined.

Identification Method	Organism <i>C. auris</i> can be misidentified as:
Vitek 2 YST	<i>Candida haemulonii</i>
	<i>Candida duobushaemulonii</i>
API 20C	<i>Rhodotorula glutinis</i> (characteristic red color not present)
	<i>Candida sake</i>
BD Phoenix yeast identification system	<i>Candida haemulonii</i>
	<i>Candida catenulata</i>
MicroScan	<i>Candida famata</i>
	<i>Candida guilliermondii</i>
	<i>Candida lusitanae</i>
	<i>Candida parapsilosis</i>
RapID Yeast Plus	<i>Candida parapsilosis</i>