

CDC AR Lab Network requests isolates of *Streptococcus pneumoniae*



Provide your clinicians free serotype results and support public health

CDC's Antibiotic Resistance (AR) Laboratory Network offers free serotyping and ID confirmation of *S. pneumoniae* when you submit certain isolates for public health surveillance. Serotype results can aid clinical practice to evaluate for vaccine failure, immune deficiency, and outbreak identification. Clinical isolates are also vitally important to public health programs that monitor changes in circulating serotypes and antibiotic resistance.

Please send these isolates to your designated AR Lab Network *Streptococcus* Reference Center:

- All **cerebrospinal fluid (CSF) isolates**, regardless of susceptibility test results
- **Invasive isolates** (sterile body site such as blood) **that are non-susceptible** to any relevant antibiotic according to current Clinical Laboratory Standards Institute M100 guidance
- Possible **failure of therapy or vaccine**, or **possible outbreak-related isolates**



 Send to Minnesota Dept. of Health Public Health Laboratory

 Send to Wisconsin State Laboratory of Hygiene

Streptococcus Reference Center Contact:
ARLNMN@state.mn.us

Streptococcus Reference Center Contact:
WIARLN@slh.wisc.edu

Why submit *S. pneumoniae* isolates?



Pneumococcal disease is a serious public health threat.

S. pneumoniae can cause infections like pneumonia, bacteremia, and meningitis.



It can be fatal.

There are more than 2 million pneumococcal infections each year in the U.S., resulting in more than 6,000 deaths.



Treatment failure is a concern.

Pneumococcal bacteria are resistant to one or more antibiotics in more than 30% of cases.



Lab testing can identify trends.

AST and molecular analysis can identify persistent serotypes and inform public health strategies.

Contact your AR Lab Network *Streptococcus* Reference Center for submission instructions or to discuss other isolates of concern.

Note: 1) Contact your state health department if you have any questions about whether isolates should be submitted directly to the AR Lab Network *Streptococcus* Reference Center or first to your state public health laboratory for forwarding, as states vary in requirements. **2)** Please do not send isolates if already submitted to CDC's Active Bacterial Core surveillance (ABCs) program, which performs surveillance in specific geographic catchment areas as part of CDC's Emerging Infections Program including: CT, MN, and NM and select counties in CA, CO, GA, MD, NY, OR, and TN. If you are unsure, please consult your state health department.

For more information on CDC's AR Lab Network, visit:
www.cdc.gov/drugresistance/laboratories.html

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National Center for Injury Prevention and Control