
Lab Dept: Microbiology/Virology

Test Name: STREP PNEUMONIAE ANTIGEN, URINE

General Information

Lab Order Codes: SPAU

Synonyms: Pneumococcal Pneumonia; Pneumococcus

CPT Codes: 87899 – Infectious agent antigen detection by enzyme immunoassay with direct optical observation, not otherwise specified.

Test Includes: Detection of Pneumococcal antigen.

Logistics

Lab Testing Sections: Microbiology - Sendouts

Referred to: Mayo Medical Laboratories (MML Test: 83150/SPNEU)

Phone Numbers: MIN Lab: 612-813-5866

STP Lab: 651-220-6555

Test Availability: Daily, 24 hours

Turnaround Time: 1 – 3 days, performed Monday - Friday

Special Instructions: **Specimen site** and **date/time of collection** are required for processing.

Specimen

Specimen Type: Urine

Container: Sterile container

Volume: 2 mL (Minimum: 0.5 mL) urine

Collection: Random urine collection

Sample Rejection: Specimen not submitted in appropriate transport container; improperly labeled specimen. If an unacceptable specimen is received, the physician or nursing station will be notified and another specimen will be requested before the specimen is discarded.

Interpretive

Reference Range: Negative

Interpretation: A positive result is indicative of pneumococcal pneumonia.

A negative result is a presumptive negative for pneumococcal pneumonia, suggesting no current or recent pneumococcal infection. Infection due to *Streptococcus pneumoniae* cannot be ruled out since the antigen present in the specimen may be below the detection limit.

Pneumococcal pneumonia is best diagnosed by sputum culture.

Limitations: A negative result does not exclude *Streptococcus pneumoniae* infection.

A diagnosis of *Streptococcus pneumoniae* must take into consideration all test results, culture results, and the clinical presentation of the patient.

Streptococcus pneumoniae vaccine may cause false-positive results, especially in patients who have received the vaccine within 5 days of having the test performed.

The performance of this assay in patients who have received antibiotics for >24 hours has not been established.

The accuracy of this assay has not been proven in small children.

Methodology: Immunochromatographic Membrane Assay

References: [Mayo Medical Laboratories](#) June 2013

Updates: 1/16/2012: CPT update, previously listed as 87450.