*Streptococcus pneumoniae lyt*A PCR assay* for different sample types

This assay is a qualitative *in vitro* real-time PCR test for the automated detection of a portion of the *lyt*A gene of *Streptococcus pneumoniae* to aid in the diagnosis of community acquired pneumonia and its complications, such as radiographically diagnosed pneumonia, bacteremia, and meningitis. The assay uses the following specimens from symptomatic individuals: broncho-alveolar lavage (BAL), whole blood (WB), cerebrospinal fluid (CSF), urine (collected in a clinical setting), and a pure bacterial isolate submitted on growth media. The use of Luminex Aries MultiCode®-RTx Assay uses the unique MultiCode base pair, isoC: isoG and helps facilitate rapid detection of *S. pneumoniae*, aiding in effective clinical management.

Targets	***Streptococcus pneumoniae****
Accepted Specimens	**Broncho-Alveolar Lavage (BAL):** Submit at least 1 mL of specimen. **Blood-EDTA:** Submit specimen in a 3 mL purple-cap (EDTA) blood collection tube. **CSF:** Submit at least 1 mL of specimen. **Urine:** Submit at least 10 mL of specimen in a (sterile) urine cup. **Note: Maintain samples at 4°C** **Bacterial Isolate:** Submit bacterial isolate on a TSA with 5% sheep blood plate or slant and transport at room temperature.
Specimens Receipt	Specimens accepted Monday through Friday.
Assay Schedule	***S. pneumoniae lyt*A** assay is set up Monday through Friday.
Normal Range	Not detected
CPT Codes	***S. pneumoniae lyt*A PCR:** 87798

**This test was developed, and its performance characteristics determined by the Infectious Diseases Laboratory using Analyte Specific Reagents. It has not been cleared or approved by the FDA. This test is used for clinical purposes and should not be regarded as investigational or for research. This laboratory is regulated under the CLIA Amendments of 1988, 42 U.S.C. §263a as qualified to perform high-complexity clinical testing of this nature.*