# LEGIONELLA PNEUMOPHILA ANTIBODY

## General Information

**Lab Order Codes:** LEGI

**Synonyms:** LDA (Legionnaires' Disease Antibody); Legionnaire's Disease

**CPT Codes:** 86713 – Antibody, Legionella

**Test Includes:** Detection of *Legionella pneumophila* antibody reported as positive or negative.

## Logistics

**Test Indications:** Evaluation of possible legionellosis (Legionnaires' Disease, Pontiac Fever, extrapulmonary legionella infection caused by *Legionella pneumophila*).

**Lab Testing Sections:** Serology - Sendouts

**Referred to:** Lab Corp/Viromed (Test#: 164616)

**Phone Numbers:**
- MIN Lab: 612-813-6280
- STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 2 - 4 days

**Special Instructions:** Paired specimens, both acute and convalescent (3-6 weeks later) sera are strongly recommended. Please label specimens as acute or convalescent.

## Specimen

**Specimen Type:** Blood

**Container:** Red top tube

**Draw Volume:** 1.2 mL (Minimum: 0.6 mL) blood per specimen

**Processed Volume:** 0.4 mL (0.2 mL) serum per specimen

**Collection:** Routine venipuncture
Special Processing: Lab Staff: Centrifuge specimen. Remove serum aliquot into a screw-capped round bottom plastic vial. Store and ship at ambient temperatures. Forward promptly.

Note:
- Paired specimens, both acute and convalescent sera are strongly recommended.
- Label specimens appropriately (ie, unpaired: acute or convalescent or paired: paired acute and paired convalescent.)
- If paired specimens are submitted, separate accession numbers are required.
- Appropriately labeled paired specimens received together will be analyzed on the same run and charged separately.
- Specimens sent separately will be run and charged separately.

Patient Preparation: None

Sample Rejection: Specimens other than serum; mislabeled or unlabeled specimens; hemolysis; lipemia; gross bacterial contamination

Interpretive

Reference Range: The positive cutoff has been set to the equivalent for an IFA titer of 1:256. If only one specimen is submitted, a positive is presumptive supporting evidence of exposure.

Critical Values: N/A

Limitations: This system tests for *Legionella pneumophila* serogroups 1-6. It does not test for non-pneumophila, or atypical, *Legionella* species. A diagnosis should not be made on the basis of anit-*Legionella* serology results alone; test results should be interpreted in conjunction with the clinical evaluation and other diagnostic procedures.

Methodology: Enzyme-linked Immunosorbent Assay (ELISA)

References: [Lab Corp Web Page](http://www.labcorp.com) July 2013