
Lab Dept: Serology

Test Name: 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/Viomed (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 anti-*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](#) July 2013