MAYO CLINIC LABORATORIES

**NEW TEST**

Notification Date: February 24, 2023
Effective Date: March 28, 2023

# Chlamydia IgM and IgG Panel, Immunofluorescence, Serum

**Test ID:** CHLAP

## Useful for:
Aiding in the clinical diagnosis of *Chlamydia pneumoniae* or *Chlamydia psittaci* infection

## Methods:
Micro-Immunofluorescent Antibody (MIF) Assay

## Profile Information

| Test ID | Reporting Name | Available Separately | Always Performed |
|---|---|---|---|
| CHLG | Chlamydia IgG, IFA, S | Yes | Yes |
| CHLM | Chlamydia IgM, IFA, S | Yes | Yes |

## Reference Values:
*Chlamydia pneumoniae*
IgM: <1:10
IgG: <1:64

*Chlamydia psittaci*
IgM: <1:10
IgG: <1:64

## Specimen Requirements:

**Collection container:**

| | |
|---|---|
| **Preferred:** | Serum gel |
| **Acceptable:** | Red top |
| **Submission Container:** | Plastic vial |
| **Specimen Volume:** | 0.6 mL |
| **Minimum Volume:** | 0.3 mL |

## Specimen Stability Information:

| Specimen Type | Temperature | Time |
|---|---|---|
| Serum | Refrigerated (preferred) | 30 days |
| | Frozen | 30 days |

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## Cautions:

- Antichlamydial IgG can persist for years. All results from chlamydial serologies must correlate with clinical history and other data available to the physician.
- Specimens collected too early during primary infection may not contain detectable antibodies. If chlamydial infection is suspected, a second specimen should be collected 10 to 21 days later and tested in parallel with the original specimen.
- During a primary *Chlamydia* infection, the early antibody response may be cross-reactive with multiple *Chlamydia* species.
- This assay does not report antibodies detected against *Chlamydia trachomatis.* Sera from suspected cases of lymphogranuloma venereum (LGV) should be tested by a Lymphogranuloma Venereum Differentiation Antibody Panel. LGV testing is not performed by Mayo Clinic Laboratories; call 800-533-1710 for assistance. Due to the limited sensitivity and specificity of *Chlamydia* serologic tests, patients with suspected *C trachomatis* infection should be tested by a molecular method (eg, CTRNA / *Chlamydia trachomatis*, Nucleic Acid Amplification, Varies) when clinical manifestations are present.

## CPT Code:

86632 x 2-IgM
86631 x 2-IgG

**Day(s) Performed:** Monday through Friday **Report Available:** 1 to 4 days

## Questions

Contact Dunisha Messmer, Laboratory Technologist Resource Coordinator at 800-533-1710.

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