
Lab Dept: Serology

Test Name: HISTOPLASMA ANTIBODY COMPLEMENT FIXATION AND IMMUNODIFFUSION, SERUM

General Information

Lab Order Codes: HISER

Synonyms: Histoplasma Antibody, Serum; Histoplasma Ab; Histoplasma Complement Fixation; Immunodiffusion for Fungi

CPT Codes: 86698 x 2 - Antibody; histoplasma

Test Includes: Anti-yeast antibody testing by complement fixation and anti-histoplasma antibody testing by immunodiffusion

Logistics

Test Indications: Useful to aid in the diagnosis of active histoplasmosis using serum specimens

Lab Testing Sections: Serology - Sendouts

Referred to: Mayo Clinic Laboratories (MML test code: HISER)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 2-7 days, test is set up Monday 6 a.m.; Tuesday through Friday 9:30 a.m.

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: SST (Gold, marble or red)

Draw Volume: 3.3 mL (Minimum: 3.3 mL) blood

Processed Volume: 1.1 mL (Minimum: 1.1 mL) serum

Collection:	Routine blood collection
Special Processing:	Lab Staff: Centrifuge specimen and remove serum aliquot into a screw-capped round bottom plastic tube. Store and send serum refrigerated. Forward promptly. Serum specimen stable refrigerated (preferred) or frozen for 14 days.
Patient Preparation:	None
Sample Rejection:	Specimen collected in incorrect container; specimen other than serum; gross hemolysis or lipemia; mislabeled or unlabeled specimens

Interpretive

Reference Range:	Anti-Yeast Antibody by Complement Fixation: Negative (positive results reported as titer) Antibody by Immunodiffusion: Negative (positive results reported as band present)
Critical Values:	N/A
Limitations:	Immunocompromised patients may not develop detectable antibodies to Histoplasma and may test negative by complement fixation and/or immunodiffusion assays. Complement fixation and immunodiffusion assays are insensitive for detection of histoplasmosis in patients with acute pulmonary histoplasmosis or in disseminated disease among immunocompromised patients.
Methodology:	Complement Fixation (CF)/Immunodiffusion
References:	Mayo Clinic Laboratories June 2024
Update:	6/4/2024: Initial entry. Replaces obsolete HAB.