
Lab Dept: Serology

Test Name: HISTOPLASMA ANTIGEN, SERUM

General Information

Lab Order Codes: FHIST

Synonyms: N/A

CPT Codes: 87385 – Infectious agent antigen detection by enzyme immunoassay technique, qualitative or semiquantitative, multiple-step method

Test Includes: Histoplasma antigen, serum level reported in ng/mL.

Logistics

Test indications: Testing both urine AND serum consistently provides the highest sensitivity for Histoplasma antigen. 38% of acute pulmonary histoplasmosis cases may not be properly diagnosed if only urine is tested. 5-10% of progressive disseminated histoplasmosis cases may not be properly diagnosed if only urine is tested.

Lab Testing Sections: Serology-Sendouts

Referred to: Mayo forward to MiraVista Diagnostics (Mayo test: FHIST)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 3 - 6 days

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: SST (Gold, marble or red)

Draw Volume: 6 mL (Minimum: 3.6 mL) blood

Processed Volume: 2 mL (Minimum: 1.2 mL) serum

Collection:	Routine blood collection
Special Processing:	Lab staff: Centrifuge specimen, remove serum aliquot to a screw-capped plastic vial. Store and ship refrigerated.
Patient Preparation:	N/A
Sample Rejection:	Specimen that is too viscous to pipette, tissue, biopsy, sputum, bronch aspirate. FNA, bone marrow aspirate, stool or samples in transport media or isolater tubes; mislabeled or unlabeled specimens

Interpretive

Reference Range:	None detected
Critical Values:	N/A
Limitations:	<p>Results above the limit of detection, but below 0.4 ng/mL are reported as 'Positive, Below the Limit of Quantitation'.</p> <p>Results above 19.0 ng/mL are reported as 'Positive, Above the Limit of Quantitation'.</p> <p>Sodium hydroxide and sputolysin. Cross-reactivity occurs between blastomycosis and histoplasmosis, and in Paracoccidioidomycosis, penicillosis, coccidioidomycosis, aspergillosis, and sporotrichosis.</p>
Methodology:	Enzyme Immunoassay (EIA)
References:	Mayo Clinic Laboratories (August 2020)