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**Lab Dept:** Serology

**Test Name:** HISTOPLASMA ANTIGEN, SERUM

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***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.

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***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

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***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

<b>Collection:</b>	Routine blood collection
<b>Special Processing:</b>	Lab staff: Centrifuge specimen, remove serum aliquot to a screw-capped plastic vial. Store and ship refrigerated.
<b>Patient Preparation:</b>	N/A
<b>Sample Rejection:</b>	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

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### ***Interpretive***

<b>Reference Range:</b>	None detected
<b>Critical Values:</b>	N/A
<b>Limitations:</b>	<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>
<b>Methodology:</b>	Enzyme Immunoassay (EIA)
<b>References:</b>	<a href="#">Mayo Clinic Laboratories</a> (August 2020)