
***Histoplasma* and *Blastomyces* Antigen, Enzyme Immunoassay, Serum**

Test ID: HIBAG

Useful for:

- Diagnosing *Histoplasma capsulatum* or *Blastomyces dermatitidis* infection without differentiation between the organisms
- Monitor antigen levels following initiation of antifungal treatment

Methods:

Enzyme Immunoassay (EIA)

Reference Values:

Histoplasma/Blastomyces Antigen Result:
Not Detected

Histoplasma/Blastomyces Antigen Value:
Not Detected
Detected: <1.5 ng/mL
Detected: 1.5-25.0 ng/mL
Detected: >25.0 ng/mL

Reference values apply to all ages.

Specimen Requirements:

Container/Tube:	Plastic vial
Preferred:	Serum gel
Acceptable:	Red top
Specimen Volume:	1.0 mL
Collection Instructions:	Centrifuge and aliquot serum into a plastic vial.
Minimum Volume:	0.7 mL

Specimen Stability Information:

Specimen Type	Temperature	Time
Serum	Refrigerated (preferred)	28 days
	Ambient	72 hours
	Frozen	28 days

Cautions:

- Due to significant cross-reactivity between galactomannan antigens from *Blastomyces* and *Histoplasma*, this assay does not differentiate between these 2 dimorphic fungal agents. To differentiate, consider fungal culture, molecular testing, or serology testing.
- Positive results should be correlated with other clinical and laboratory findings (eg, culture, serology).
- Low-level positive antigen levels may persist following resolution of infection and completion of appropriate treatment regimen.
- Turbid urine specimens, containing excess protein, cells, or particulate matter, can inhibit the function of the test.
- Sensitivity of this assay to detect antigen from species other than *Blastomyces dermatitidis* or *Histoplasma capsulatum* is unknown.
- False positive results may occur less frequently with other dimorphic agents (eg, *Coccidioides*).

CPT Code:

87449

Day(s) Performed: Monday through Saturday**Report Available:** 1 to 3 days**Note:**

The following referral test code(s) will become obsolete.

Test Name	Test ID	Referral Lab Code	Referral Lab
MVista Blastomyces Quantitative Antigen, Serum	FBMS	316	Miravista Diagnostics
MVista Histoplasma Ag Quantitative, Serum	FHIST	310	Miravista Diagnostics

Questions

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