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**Lab Dept:** Serology

**Test Name:** BLASTOMYCES ANTIGEN, BAL OR CSF

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***General Information***

**Lab Order Codes:** FBMO

**Synonyms:** MVista Blastomyces Quantitative Antigen, Fluid

**CPT Codes:** 87449 – Infectious agent antigen, detection by immunoassay technique; qualitative or semiquantitative, multiple step method, not otherwise specified, each organism

**Test Includes:** Blastomyces Antigen reported in ng/mL or None Detected.

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***Logistics***

**Test indications:** The quantitative antigen test aids in the diagnosis of blastomycosis. Monitoring of the blastomycosis helps determine when treatment can be stopped and to diagnose relapse.

**Lab Testing Sections:** Serology - Sendouts

**Referred to:** Mayo Clinic Laboratories and forwarded to MiraVista Diagnostics (Mayo Test: FBMO)

**Phone Numbers:** MIN Lab: 612-813-6280

STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 3-5 days (reference lab performs Monday through Saturday)

**Special Instructions:** N/A

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***Specimen***

**Specimen Type:** BAL or CSF

**Container:** Sterile, leak-proof container

**Draw Volume:** BAL: 2 mL (Minimum: 0.5 mL) BAL

CSF: 2 mL (Minimum: 0.8 mL) CSF

<b>Processed Volume:</b>	Same as Draw Volume
<b>Collection:</b>	Routine BAL or CSF collection
<b>Special Processing:</b>	Lab staff: Aliquot into specimen into a sterile, plastic screw-top vial. Label must have specimen type indicated. Store and ship at refrigerated temperatures.  Specimen stable refrigerated (preferred), ambient for 14 days. Stable frozen indefinitely.
<b>Patient Preparation:</b>	N/A
<b>Sample Rejection:</b>	Specimen that is too viscous to pipette; unacceptable specimen type; mislabeled or unlabeled specimens.

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### ***Interpretive***

<b>Reference Range:</b>	None detected  Result reportable range: 0.31 – 20.00 ng/mL range.  Results above 20.00 ng/mL are reported as 'Positive, Above the Limit of Quantification'
<b>Critical Values:</b>	N/A
<b>Limitations:</b>	Cross-reactions are seen in histoplasmosis, paracoccidioidomycosis, penicilliosis, less frequently in coccidiooidomycosis, rarely in aspergillosis and possibly in sporotrichosis.
<b>Methodology:</b>	Quantitative Sandwich Enzyme Immunoassay (EIA)
<b>References:</b>	<a href="#">Mayo Clinic Laboratories</a> (March 2023)  <a href="#">MiraVista Diagnostics</a> (March 2023)
<b>Updates:</b>	3/7/2023: Updated expected turnaround time and performance days, added stability information 11/20/2023: Change in reportable range at both high and low end. Previous range was 0.2-14.7 ng/mL.