Lab Dept: Serology

Test Name: BLASTOMYCES ANTIGEN, BAL OR CSF

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.

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

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

Processed Volume:	Same as Draw Volume
Collection:	Routine BAL or CSF collection
Special Processing:	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.
Patient Preparation:	N/A
Sample Rejection:	Specimen that is too viscous to pipette; unacceptable specimen type; mislabeled or unlabeled specimens.

Interpretive

Reference Range:	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'
Critical Values:	N/A
Limitations:	When tested in cultures of 10^5 (1,000,000)–10^6 (10,000,000) organisms/mL, cross-reactions occurred with *Histoplasma* spp., *Coccidioides* spp., *Paracoccidioides brasiliensis, Talaromyces marneffei, Aspergillus nidulans*, and *Candida tropicalis*.
Methodology:	Quantitative Sandwich Enzyme Immunoassay (EIA)
References:	Mayo Clinic Laboratories (March 2023) MiraVista Diagnostics (March 2023)
Updates:	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. 02/10/2025: Updated limitations