



Laboratory Service Manual

Lab Dept: Urine/Stool

Test Name: BLASTOMYCES ANTIGEN, URINE

General Information

Lab Order Codes: BAG

Synonyms: N/A

CPT Codes: 87449 – Infectious agent antigen detection by EIA technique

Test Includes: Urine Blastomyces Antigen level reported in ng/mL.

Logistics

Test Indications: Aid in diagnosis of disseminated or acute pulmonary blastomycosis.

Lab Testing Sections: Urine/Stool - Sendouts

Referred to: Mayo Medical Laboratories (MML Test# 91407 forward to MiraVista Diagnostics)

Phone Numbers:

Minneapolis: 612-813-6280

Saint Paul: 651-220-6550

Test Availability: Daily, 24 hours, test performed Monday - Friday

Turnaround Time: 1 - 3 days

Special Instructions: Use sterile collection technique.

Specimen

Specimen Type: Urine, random

Other specimen types tested: Bronchoalveolar Lavage (BALF) or Sterile Body Fluid

Container: Sterile leak-proof container

Draw Volume: 2 mL (Minimum: 1.5 mL) urine or other acceptable specimen type



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Processed Volume:	Same as Draw Volume
Collection:	Routine urine collection, or other appropriate collection technique. Maintain sterility during collection and forward promptly to the laboratory.
Special Processing:	Lab Staff: Mix random urine sample well. Remove aliquot into a plastic, 13 mL urine tube. Store and ship at refrigerated temperatures. Forward promptly.
Patient Preparation:	None
Sample Rejection:	Mislabeled or unlabeled specimens

Interpretive

Reference Range:

ng/mL	Result Interpretation
None Detected	Negative – Antigen not detected
Below the Limit of Quantification	Positive, Low – Antigen detected, below the limit of quantification
0.2 – 1.9	Positive, Low – Antigen detected, low concentration
2.0 – 14.7	Positive, Moderate – Antigen detected, moderate concentration
Above the Limit of Quantification	Positive, High – Antigen detected, above the limit of quantification
Note: A change of 2 ng/mL or more compared to the prior specimen is significant, and should be considered in conjunction with clinical and other laboratory findings in deciding if the patient is not responding.	
Test performed by: MiraVista Diagnostics 444 Decatur Blvd., Suite 300 Indianapolis, IN 46241	

Critical Values: N/A



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Limitations:

Heterophile antibodies and rheumatoid factor can cause positive interference. Cross-reactions due to closely related antigenic epitopes are seen in patients with histoplasmosis, paracoccidioidomycosis, and penicilliosis. Rare cross-reactions have been seen in patients with aspergillosis and cryptococcosis.

Methodology:

EIA (Enzyme Immunoassay)

References:

[Mayo Medical Laboratories](#) February 2011

Updates:

7/2/2009: Added other specimen types (BALF, other sterile body fluids)
2/8/2011: Units change, previously reported as EIA Units. Reference range update.