

Reporting Title: Histoplasma/Blastomyces PCR
Performing Location: Mayo Clinic Laboratories - Rochester Main Campus

Ordering Guidance:
Urine is not an acceptable source for this assay. Studies indicate that *Histoplasma* DNA is not routinely found in the urine of patients with disseminated histoplasmosis. The recommended test for urine specimens is UHBAG / *Histoplasma* and *Blastomyces* Antigen, Enzyme Immunoassay, Urine.

Additional Testing Requirements:

Shipping Instructions:
Specimen must arrive within 7 days of collection; specimens received after 7 days will be rejected.

N-acetyl-l-cysteine-sodium hydroxide (NALC/NaOH)-digested specimen must arrive within 7 days of digestion.

Necessary Information:
Specimen source is required.

Specimen Requirements:
The high sensitivity of amplification by polymerase chain reaction requires the specimen to be processed in an environment in which contamination of the specimen by *Histoplasma* or *Blastomyces* species DNA is not likely.

Submit only 1 of the following specimens:

Specimen Type: Body fluid
Sources: Body, spinal fluid, bone marrow
Container/Tube: Sterile container
Specimen Volume: 1 mL

Specimen Type: Respiratory
Sources: Bronchoalveolar lavage, bronchial washing, sputum
Container/Tube: Sterile container
Specimen Volume: 1 mL

Specimen Type: Tissue or bone
Container/Tube: Sterile container
Specimen Volume: 5-10 mm
Collection Instructions: Collect a fresh tissue or bone specimen.

Acceptable:
Specimen Type: N-acetyl-l-cysteine-sodium hydroxide (NALC/NaOH)-digested respiratory specimens
Sources: Lavage fluid, bronchial washing, gastric washing, respiratory fluid, sputum, or tracheal secretion
Container/Tube: Sterile container
Specimen Volume: 2 mL

Test Definition: HBRP

Histoplasma capsulatum/Blastomyces species,
Molecular Detection, PCR, Varies

Collection Instructions:

- 1. Submit digested specimen treated with NALC/NaOH.
- 2. Clearly indicate on container and order form that specimen is a digested specimen.

Forms:

If not ordering electronically, complete, print, and send a [Microbiology Test Request](#) (T244) with the specimen.

Specimen Type	Temperature	Time	Special Container
Varies	Refrigerated (preferred)	7 days	
	Ambient	7 days	
	Frozen	7 days	

Ask at Order Entry (AOE) Questions:

Test ID	Question ID	Description	Type	Reportable
HBRP	SRC78	Histo/Blasto Source	Plain Text	Yes

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
SRC78	Histo/Blasto Source	Alphanumeric		31208-2
32457	Histo/Blasto Result	Alphanumeric		81653-8

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

87798 x 2

Reference Values:

Not applicable