MiraVista DIAGNOSTICS
Rapid Fungal Testing. Accurate Results.

CLINICAL RECOMMENDATIONS

MiraVista Diagnostics Strives to Continually Improve Fungal Testing.

Coming Soon - Improved MVista® *Histoplasma* Antigen Quantitative EIA

Key Points – At a Glance

1. MiraVista Diagnostics will soon transition to an improved *Histoplasma* antigen test.
2. Urine, serum, plasma, BAL fluid, and CSF can all be tested.
3. An expanded quantifiable concentration range (0.2 – 20.0 ng/mL) without a 'below the limit of quantification (BLQ) result facilitates treatment monitoring.
4. Results are reported the same day the specimen is tested in 90% of specimens.
5. Advantages of the older test are maintained: high quality results, established role for monitoring treatment [1], quick turnaround and access to consultants experienced with diagnosis and treatment of histoplasmosis and other endemic mycoses.

The MVista® *Histoplasma* antigen test is highly sensitive and specific

The MVista® *Histoplasma* Antigen Quantitative EIA [2] (MVista® *Histo* Ag EIA, test code 310), has changed how we diagnose and monitor treatment of histoplasmosis. For initial testing, urine is the sample of choice. When urine is tested, the MVista® *Histo* Ag EIA is highly sensitive (92%) and specific (99%) [2]. MVista® *Histo* Ag EIA is validated for antigen detection in urine, serum, plasma, BAL fluid and CSF, an advantage compared to *Histoplasma* antigen test offered elsewhere.

Testing serum is useful for diagnosis of cases with negative results in urine especially in patients with acute pulmonary histoplasmosis, where up about half of cases may have been missed if only urine was tested [3]. Another advantage of testing serum is that the concentration in serum is usually quantifiable if the sample result in urine is above the limit of quantification (ALQ). In such cases monitoring clearance from serum is recommended until the urine concentration drops into the quantifiable range.

The MVista® *Histo* Ag EIA is useful for guiding treatment [4] and diagnosing relapse early [5], important characteristics lacking in the other commercial *Histoplasma* antigen detection assays.

The improved MVista® *Histoplasma* Ag EIA retains the advantages of the older assay: unequaled accuracy, quick turnaround time, and availability of consultants experienced with diagnosis and management of histoplasmosis.

The improved MVista® *Histoplasma* antigen test has undergone rigorous validation studies

The improved MVista® *Histo* Ag EIA has undergone rigorous validation testing, and results are impressive. As expected, cross-reactivity occurs in 90% of specimens from patients with blastomycosis [2] and 60% with coccidioidomycosis [4].

At MiraVista, quality-control goes beyond test development and validation. There are many layers of safeguards built into the daily testing protocols to ensure that results are highly accurate. Free consultation is provided for questions related to use of these tests for diagnosis and patient management: call: 888-841-8387 or email labsupport@miravistalabs.com.

HEADQUARTERS
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