
Lab Dept: Serology

Test Name: E. HISTOLYTICA ANTIBODY

General Information

Lab Order Codes: EHAB

Synonyms: E. Histolytica Antibody, Serum; Entamoeba; Amebic Serology; Amebiasis

CPT Codes: 86753 – Antibody; protozoa, not elsewhere specified

Test Includes: Testing for E. Histolytica Antibody reported as positive or negative.

Logistics

Test Indications: As an adjunct in the diagnosis of extraintestinal amebiasis, especially liver abscess.

Serology may be particularly useful in supporting the diagnosis of amebic liver abscess in patients without a definite history of intestinal amebiasis and who have not spent substantial periods of time in endemic areas.

Lab Testing Sections: Serology - Sendouts

Referred to: Mayo Medical Laboratories (MML Test: 9049/SAM)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 1 - 7 days; test set up Tuesday and Thursday

Special Instructions: N/A

Specimen

Specimen Type: Blood

Container: Red top tube

Draw Volume: 1.5 mL (Minimum: 0.6 mL) blood

Processed Volume:	0.5 mL (Minimum: 0.2 mL) serum
Collection:	Routine venipuncture
Special Processing:	Lab Staff: Centrifuge specimen, remove serum aliquot and freeze in a screw-capped, round bottom plastic vial. Ship frozen. Forward promptly.
Patient Preparation:	None
Sample Rejection:	Specimens other than serum; specimens received at ambient temperatures; mislabeled or unlabeled specimens; gross hemolysis; gross lipemia

Interpretive

Reference Range:	Negative A positive enzyme-linked immunosorbent (ELISA) suggests current or previous infection with <i>Entamoeba histolytica</i> . Since pathogenic and nonpathogenic species of entamoeba cannot be differentiated microscopically, some authorities believe a positive serology indicates the presence of the pathogenic species (ie, <i>E. histolytica</i>)
Critical Values:	N/A
Limitations:	Previous episodes of intestinal amebiasis may produce a positive serology. Serologic results should be used as an aid in diagnosis and should not be interpreted as diagnostic by themselves. Direct detection of <i>Entamoeba histolytica</i> in stool specimens is recommended to diagnose intestinal amebiasis.
Methodology:	Enzyme-Linked Immunoabsorbent Assay (ELISA)
References:	Mayo Medical Laboratories Web Page July 2013
Updates:	4/1/2010: MML will no longer perform titers on positive samples due to a change in kit design. 7/15/2010: Storage temp moved from frozen to refrigerated. 7/25/2013: Storage temp moved from refrigerated to frozen.