MAYO CLINIC
Mayo Medical Laboratories

Test Definition: FECHA

Ehrlichia Chaffeensis Antibodies, IFA

Reporting Title: E. chaffeensis Ab (IgG, IgM)
Performing Location: Focus Diagnositics, Inc.

Specimen Requirements:

Draw blood in a plain, red-top tube(s). (Serum gel tube is acceptable.)
Spin down and send 1 mL of serum refrigerated.

Specimen Type	Temperature	Time
Serum	Refrigerated (preferred)	7 days
	Frozen	30 days
	Ambient	4 days

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
Z0545	E. chaffeensis Ab IgG	Alphanumeric		In Process
Z0546	E. chaffeensis Ab IgM	Alphanumeric		In Process
Z0547	Interpretation	Alphanumeric		In Process

CPT Code: 2 × 86666

Reference Values:

REFERENCE RANGE: IgG <1:64
IgM <1:20

Human ehrlichiosis is a tick-borne disease caused by rickettsial-like agents. Two forms, human monocytic ehrlichiosis (HME) and human granulocytic ehrlichiosis (HGE), have been described. HME is often referred to as "spotless" or rashless rocky mountain spotted fever, and has been reported in various regions of the United States. The causative agent of HME has been identified as Ehrlichia chaffeensis. Infected individuals produce specific antibodies to E. chaffeensis which can be detected by an immunofluorescent antibody (IFA) test. Single IgG IFA titers of 1:64 or greater indicate exposure to E. chaffeensis. Specimens demonstrating a four-fold rise in IgG titers between acute and convalescent samples and/or the presence of IgM antibody against E. chaffeensis suggest recent or current infection.

This test was developed and its performance characteristics have been determined by Focus Diagnostics. It has not been cleared or approved by the U.S. Food and Drug Administration. The FDA has determined that such clearance or approval is not necessary. Performance characteristics refer to the analytical performance of the test.

Test performed by Focus Diagnostics, Inc.
5785 Corporate Ave.
Cypress, CA 90630-4750