

TEST CHANGE

Ehrlichia chaffeensis Antibodies, IgG & IgM by IFA

0051002, E CHAF ABS

Specimen Requirements:	
Patient Preparation:	
Collect:	Serum Separator Tube.
Specimen Preparation:	Separate from cells ASAP or within 2 hours of collection. Transfer 1 mL serum to an ARUP standard transport tube . Standard Transport Tube . (Min: 0.43 mL) Parallel testing is preferred and convalescent specimens must be received within 30 days from receipt of the acute specimens. Mark specimens plainly as acute or convalescent.
Transport Temperature:	Refrigerated.
Unacceptable Conditions:	Contaminated, hemolyzed, or severely lipemic specimens.
Remarks:	
Stability:	After separation from cells: Ambient: 48 hours; Refrigerated: 2 weeks; Frozen: 1 year (avoid repeated freeze/thaw cycles)
Methodology:	Semi-Quantitative Indirect Fluorescent Antibody (IFA)
Performed:	Tue, Fri
Reported:	1-5 days
Note:	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 Ehrlichia chaffeensis which can be detected by an immunofluorescent antibody (IFA) test.
CPT Codes:	86666 x2
New York DOH Approval Status:	This test is New York DOH approved.
Interpretive Data:	

This test was developed and its performance characteristics have not been cleared or approved by the US Food and Drug Administration. It is performed in a CLIA certified laboratory and is intended for clinical use.

Inserted Cells

Component	Interpretation
Ehrlichia chaffeensis Antibody, IgG by IFA	< 1:64 Negative- No significant level of Ehrlichia chaffeensis IgG antibody detected. 1:64-1:128 Equivocal- Questionable presence of Ehrlichia chaffeensis IgG antibody detected. Repeat testing in 10-14 days may be helpful. (≥)1:256 Positive- Presence of IgG antibody to Ehrlichia chaffeensis detected, suggestive of current or past infection.
Ehrlichia chaffeensis Antibody, IgM by IFA	< 1:16 Negative- No significant level of Ehrlichia chaffeensis IgM antibody detected. (≥) 1:16 Positive- Presence of IgM antibody to Ehrlichia chaffeensis detected, suggestive of current or recent infection.

Reference Interval:

Test Number	Components	Reference Interval
	Ehrlichia chaffeensis Antibody, IgG	Less than 1:64
	Ehrlichia chaffeensis Antibody, IgM	Less than 1:16