

TEST CHANGE

Measles (Rubeola) Antibody, IgM, CSF by IFA

0054441, MEASLMCSF

Specimen Requirements:

Patient Preparation:

Collect: CSF.

Specimen Preparation: Transfer 0.5 mL CSF to an ARUP standard transport tube. ~~Standard Transport Tube~~. (Min: 0.2 mL)
New York State Clients: 1 mL (Min: 0.075 mL)

Transport Temperature: Refrigerated. Also acceptable: Frozen.
New York State Clients: Refrigerated

Unacceptable Conditions: Bacterially contaminated, heat-inactivated, hemolyzed, or xanthochromic specimens.

Remarks:

Stability: Ambient: ~~48~~ hours; Refrigerated: 2 weeks; Frozen: 1 ~~month~~
New York State Clients: Ambient: 1 week; Refrigerated: 2 weeks; Frozen: 1 month

Methodology: Semi-Quantitative Indirect Fluorescent Antibody (IFA) ~~Enzyme-Linked Immunosorbent Assay (ELISA)~~

Note:

CPT Codes: 86765

New York DOH Approval Status: Specimens from New York clients will be sent out to a New York DOH approved laboratory, if possible.

Interpretive Data:

The detection of antibodies to rubeola in CSF may indicate central nervous system infection. However, consideration must be given to possible contamination by blood or transfer of serum antibodies across the blood-brain barrier.

~~This test was developed and its performance characteristics determined by ARUP Laboratories. It has not been cleared or approved by the US Food and Drug Administration. This test was performed in a CLIA-certified laboratory and is intended for clinical purposes.~~

~~Less than 1:20.79 AU or less~~

~~Negative: No evidence of recent infection. False-negative results are possible if the specimen was collected too soon after exposure. Negative -No significant level of IgM antibodies to measles (rubeola) virus detected.~~

0.80-1.20 AU	Equivocal—Repeat testing in 10-14 days may be helpful.	
1:2.21 AU or greater	<p>Positive: <u>Indicative of recent primary measles infection.</u></p> <p>Positive—IgM antibodies to measles (rubeola) virus detected. Suggestive of current or recent infection or immunization. However, low levels of IgM antibodies may occasionally persist for more than 12 months post-infection or immunization.</p>	

Reference Interval:

Test Number	Components	Reference Interval
	Measles, Rubeola, Antibody IgM CSF	<u>Less than 1:20.79 AU or less</u>