

TEST CHANGE

Encephalitis Panel With Reflex to Herpes Simplex Virus Types 1 and 2 Glycoprotein G-Specific Antibodies, IgG, CSF

3017752, ENCEPH-CSF

Specimen Requirements:

Patient Preparation:

Collect: CSF.

Specimen Preparation: Transfer 5.0mL CSF to an ARUP standard transport tube. (Min: 2.5mL)

Transport Temperature: Refrigerated.

Unacceptable Conditions: Serum or plasma. Contaminated, heat-inactivated, or hemolyzed specimens.

Remarks:

Stability: Ambient: 8 hours; Refrigerated: 2 weeks; Frozen: 1 month

Methodology: Semi-Quantitative Enzyme-Linked Immunosorbent Assay (ELISA) / Semi-Quantitative Chemiluminescent Immunoassay (CLIA) / Semi-Quantitative Indirect Fluorescent Antibody (IFA)

Note: If HSV 1 and/or 2 IgG, CSF is 1.10 IV or greater, then HSV 1 G-specific IgG, CSF and HSV 2 G-specific IgG, CSF will be added. Additional charges apply.

CPT Codes: 86765 x2; 86735 x2; 86787 x2; 86789; 86788; 86694; if reflexed, add 86695; 86696

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:

Component	Interpretation
Measles (Rubeola) Antibody, IgG, CSF	13.4 AU/mL or less: Negative. No significant level of IgG antibody to measles (rubeola) virus detected. 13.5-16.4 AU/mL: Equivocal. Repeat testing in 10-14 days may be helpful. 16.5 AU/mL or greater: Positive. IgG antibody to measles (rubeola) detected, which may indicate a current or past measles (rubeola) infection.
Measles	<u>Less than 1:2:</u>

(Rubeola) Antibody, IgM, CSF <u>by IFA</u>	<p><u>Negative. No evidence of recent infection. False-negative results are possible if the specimen was collected too soon after exposure. 1:2 or greater: Positive. Indicative of recent primary measles infection. 0.79 AU or less: 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. 1.21 AU or greater: 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.</u></p>
Mumps Virus Antibody IgG, CSF	<p>8.9 AU/mL or less: Negative. No significant level of detectable IgG mumps virus antibody. 9.0-10.9 AU/mL: Equivocal. Repeat testing in 10-14 days may be helpful. 11.0 AU/mL or greater: Positive. IgG antibody to mumps virus detected, which may indicate a current or past</p>

Mumps Virus Antibody IgM, CSF	<p>mumps virus infection.</p> <p>0.79 IV or less: Negative. No significant level of detectable IgM antibody to mumps virus.</p> <p>0.80-1.20 IV: Equivocal. Borderline levels of IgM antibody to mumps virus. Repeat testing in 10-14 days may be helpful.</p> <p>1.21 IV or greater: Positive. Presence of IgM antibody to mumps virus detected, which may indicate a current or recent infection.</p> <p>However, low levels of IgM antibody may occasionally persist for more than 12 months post infection or immunization.</p>
Varicella-Zoster Virus Antibody, IgG, CSF	<p>Less than or equal to ≤ 0.99 S/CO: Negative. No significant level of IgG antibody to varicella-zoster virus detected.</p> <p>Greater than or equal to ≥ 1.00 S/CO: Positive. IgG antibody to varicella-zoster virus detected, which may indicate a current or past varicella-zoster infection.</p>
Varicella-Zoster Virus Antibody, IgM by ELISA (CSF)	<p>0.90 ISR or less: Negative. No significant level of IgM antibody to varicella-zoster virus detected.</p> <p>0.91-1.09 ISR: Equivocal. Repeat testing in 10-14</p>

	<p>days may be helpful. 1.10 ISR or greater: Positive. Significant level of IgM antibody to varicella-zoster virus detected, which may indicate current or recent infection. However, low levels of IgM antibodies may occasionally persist for more than 12 months post infection.</p>	
Herpes Simplex Virus Type 1 and/or 2 Antibodies, IgG, CSF	<p>0.89 IV or less: Negative. No significant level of detectable HSV IgG antibody. 0.90-1.09 IV: Equivocal. Questionable presence of IgG antibodies. Repeat testing in 10-14 days may be helpful. 1.10 IV or greater: Positive. IgG antibody to HSV detected which may indicate a current or past HSV infection.</p>	
West Nile Virus Antibody, IgG by ELISA, CSF	<p>1.29 IV or less: Negative. No significant level of West Nile virus IgG antibody detected. 1.30-1.49 IV: Equivocal. Questionable presence of West Nile virus IgG antibody detected. Repeat testing in 10-14 days may be helpful. 1.50 IV or greater: Positive. Presence of IgG antibody to West Nile virus detected,</p>	

West Nile Virus Antibody, IgM by ELISA, CSF	suggestive of current or past infection. 0.89 IV or less: Negative. No significant level of West Nile virus IgM antibody detected. 0.90-1.10 IV: Equivocal. Questionable presence of West Nile virus IgM antibody detected. Repeat testing in 10-14 days may be helpful. 1.11 IV or greater: Positive. Presence of IgM antibody to West Nile virus detected, suggestive of current or recent infection.
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Reference Interval:

Test Number	Components	Reference Interval				
	HSV 1/2 Antibody Screen IgG, CSF	0.89 IV or less				
	Measles, Rubeola, Antibody IgG CSF	16.4 AU/mL or less				
	Measles, Rubeola, Antibody IgM CSF	Less than 1:20.79 AU or less				
	Mumps Virus Antibody IgG CSF	10.9 AU/mL or less				
	Mumps Virus Antibody IgM CSF	0.79 IV or less				
	VZV Antibody IgG CSF	0.99 S/CO or less				
		<table><tr><td>≤0.99 S/CO</td><td>Negative—No significant level of IgG antibody to varicella-zoster virus detected.</td></tr><tr><td>≥1.00 S/CO</td><td>Positive—IgG antibody to varicella-zoster virus detected, which may indicate a current or past varicella-zoster infection.</td></tr></table>	≤0.99 S/CO	Negative—No significant level of IgG antibody to varicella-zoster virus detected.	≥1.00 S/CO	Positive—IgG antibody to varicella-zoster virus detected, which may indicate a current or past varicella-zoster infection.
≤0.99 S/CO	Negative—No significant level of IgG antibody to varicella-zoster virus detected.					
≥1.00 S/CO	Positive—IgG antibody to varicella-zoster virus detected, which may indicate a current or past varicella-zoster infection.					
	VZV Antibody IgM CSF	0.90 ISR or less				
	West Nile Virus Antibody IgG CSF	1.29 IV or less				
	West Nile Virus Antibody IgM CSF	0.89 IV or less				

