

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	1:3-4 AU/mL or less: Negative. No significant level of IgG antibody to measles (rubeola) virus detected. 1:3.5-16.4 AU/mL: Equivocal. Repeat testing in 10-14 days may be helpful. 1:6.5 AU/mL or greater: Positive. IgG antibody to measles (rubeola) detected, which may indicate a current or past measles (rubeola) infection.
Measles	Less than 1:2:

Deleted Cells
Deleted Cells

(Rubeola) Antibody-IgM, CSF by IFA	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.
Mumps-Virus Antibody-IgG, CSF	8-9 AU/mL or less: Negative. No significant level of detectable IgG mumps-virus antibody. 9-10- 10.9 AU/mL: Equivocal. Repeat testing in 10-14 days may be helpful. 11-10 AU/mL or greater: Positive. IgG antibody to mumps-virus detected, which may indicate a current or past mumps-virus infection.
Mumps-Virus Antibody-IgM, CSF	0-79 IU or less: Negative. No significant level of detectable IgM antibody to mumps-virus. 0-80-1-20 IU: Equivocal. Borderline levels of IgM antibody to mumps-virus. Repeat testing in 10-14 days may be helpful. 1-21 IU or greater: Positive. Presence of IgM antibody to mumps-virus detected, which may indicate a current or recent infection. However, low levels of IgM

	antibody may occasionally persist for more than 12 months post infection or immunization.
Varicella-Zoster Virus Antibody, IgG, CSF	Less than or equal to 0.99 S/CO: Negative: No significant level of IgG antibody to varicella-zoster virus detected. 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.
Varicella-Zoster Virus Antibody, IgM by ELISA (CSF)	0.90-ISR or less: Negative. No significant level of IgM antibody to varicella-zoster virus detected. 0.91-1.09-ISR: Equivocal. Repeat testing in 10-14 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.
Herpes Simplex Virus Type 1 and/or 2 Antibodies, IgG, CSF	0.89-IV or less: Negative. No significant level of detectable HSV IgG antibody. 0.90-1.09-IV: Equivocal. Questionable

<p>West Nile Virus Antibody, IgG by ELISA, CSF</p>	<p>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. 1-20 IV or less: Negative. No significant level of West Nile virus IgG antibody detected. 1-30-1-40 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, suggestive of current or past infection.</p>
<p>West Nile Virus Antibody, IgM by ELISA, CSF</p>	<p>0-80 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.</p>

Reference Interval:

Test Number	Components	Reference Interval
	HSV 1/2 Antibody Screen IgG, CSF	0.89 IV or less
	Measles, Rubeola, Antibody IgG CSF	Less than or equal to 13.4 AU/mL
	Measles, Rubeola, Antibody IgM CSF	Less than 1:2
	Mumps Virus Antibody IgG CSF	Less than or equal to 8.9 AU/mL
	Mumps Virus Antibody IgM CSF	0.79 IV or less
	VZV Antibody IgG CSF	0.99 S/CO or less
	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