

TEST CHANGE

Herpes Simplex Virus Type 1 Glycoprotein G-Specific Antibody, IgG by ELISA, CSF
0050379, HERPICSF

Specimen Requirements:

Patient Preparation:

Collect: CSF.

Specimen Preparation: Transfer 0.5 mL CSF to an ARUP Standard Transport Tube.
(Min: 0.2 mL)

Transport Temperature: Refrigerated.

Unacceptable Conditions: Specimen types other than CSF. Contaminated, heat-inactivated, icteric, or hemolyzed specimens.

Remarks: Indicate source on test request form.

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

Methodology: Semi-Quantitative Chemiluminescent Immunoassay (CLIA) ~~Enzyme-Linked Immunosorbent Assay~~

Performed: Mon, Wed, Fri

Reported: 1-5 days

Note:

CPT Codes: 86695

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:

Individuals infected with HSV may not exhibit detectable IgG antibody to type-specific HSV antigens 1 and 2 in the early stages of infection. Detection of antibody presence in these cases may only be possible using a nontype-specific screening test.

The detection of antibodies to herpes simplex virus 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.

Fourfold or greater rise in CSF antibodies to herpes on specimens at least 4 weeks apart are found in 74-94 percent of patients with herpes encephalitis. Specificity of the test based on a single CSF testing is not established. Presently PCR is the primary means of establishing a diagnosis of herpes encephalitis.

~~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.~~

Reference Interval:

0.89 IV or less	Negative - No significant level of detectable IgG antibody to HSV type 1 glycoprotein G.
0.90-1.10 IV	Equivocal - Questionable presence of IgG antibody to HSV type 1. Repeat testing in 10-14 days may be helpful.
1.11 IV or greater	Positive - IgG antibody to HSV type 1 glycoprotein G detected, which may indicate a current or past infection.