

TEST CHANGE

Herpes Simplex Virus Type 1 and/or 2 Antibodies, IgG, CSF

0050394, HER1/2CSF

Specimen Requirements:

Patient Preparation:

Collect: CSF.

Specimen Preparation: Transfer 1 mL CSF to an ARUP standard transport tube. Standard Transport Tube. (Min: 0.5 mL)

Transport Temperature: Refrigerated.

Unacceptable Conditions: Specimens 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

Performed: Sun-Sat

Reported: Within 24 hours

Note:

CPT Codes: 86694

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 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% 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.~~

False positive results are possible. Consider additional testing for HSV-2, particularly if the result for HSV-2 is **less than or equal to** \leq 3.0 IV.

Reference Interval:

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.