

TEST CHANGE

Herpes Simplex Type 1 and Type 2 Glycoprotein G-Specific Antibodies, IgG by CIA

0051152, HERP PAN 2

Specimen Requirements:

Patient Preparation:

Collect: Serum separator tube or plasma separator tube (PST).
Also acceptable: green (lithium heparin) or lavender (K2EDTA or K3EDTA).

Specimen Preparation: Separate serum from cells ASAP or within 2 hours of collection. Transfer 1 mL serum to an ARUP standard transport tube. (Min: 0.5 mL) Parallel testing is preferred and convalescent specimens must be received within 30 days from receipt of the acute specimen. Mark specimens plainly as "acute" or "convalescent."

Transport Temperature: Refrigerated.

Unacceptable Conditions: ~~Plasma or urine.~~ Contaminated, heat-inactivated, grossly icteric, hemolyzed, ~~or lipemic,~~ or severely icteric specimens.

Remarks:

Stability: After separation from cells: Ambient: 48 hours; Refrigerated: 14 Days-2 weeks; Frozen: 12 weeks (May have up to 5 freeze/thaw cycles.) ~~1 year~~

Methodology: Semi-Quantitative Electrochemiluminescent Immunoassay (ECLIA)

Note: For CSF, refer to Herpes Simplex Virus Type 1 Glycoprotein G-Specific Antibody, IgG by ELISA, CSF (ARUP test code 0050379) and Herpes Simplex Virus Type 2 Glycoprotein G-Specific Antibody, IgG by ELISA, CSF (ARUP test code 0050359).

CPT Codes: 86695; 86696

New York DOH Approval Status: This test is New York DOH approved.

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.

~~False positive results are possible. Consider additional testing for results less than or equal to 3.0 IV for type specific assays.~~

<u>HSV 1 Glycoprotein G Ab.</u>	<u>Interpretation</u>
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<u>IgG Component</u>	
<u>REFERENCE INTERVAL</u>	<u>INTERPRETIVE COMMENT</u>
<u>0.99 COI or Less</u>	Negative: No significant level of detectable IgG antibody to HSV type 1 glycoprotein G.
<u>1.00 COI or greater</u> Herpes Simplex Virus Type 1 Glycoprotein G-Specific Antibody, IgG by CIA	Positive: 0.89 IV or less: Negative. No significant level of detectable IgG antibody to HSV type 1 glycoprotein G. 0.90-1.09 IV: Equivocal. Questionable presence of IgG antibody to HSV type 1 glycoprotein G. Repeat testing in 10-14 days may be helpful. 1.10 IV or greater: Positive: IgG antibody to HSV type 1 glycoprotein G detected, which may indicate a current or past HSV infection.

HSV 2 Glycoprotein G Antibody, IgG

<u>REFERENCE INTERVAL</u>	<u>INTERPRETIVE COMMENT</u>
<u>0.99 COI or Less</u>	Negative - No significant level of detectable IgG antibody to HSV type 2 glycoprotein G.
<u>1.00 COI or Greater</u> Herpes Simplex Virus Type 2 Glycoprotein G-Specific Antibody, IgG by CIA	Positive - 0.89 IV or less: Negative. No significant level of detectable IgG antibody to HSV type 2 glycoprotein G. 0.90-1.09 IV: Equivocal. Questionable presence of IgG

antibody to HSV
type 2
glycoprotein G.
Repeat testing in
10-14 days may
be helpful. 1-10 IV
or greater:
Positive. IgG
antibody to HSV
type 2
glycoprotein G
detected, which
may indicate a
current or past
HSV infection.

Reference Interval:

Test Number	Components	Reference Interval
	HSV 1 Glycoprotein G Ab, IgG	≤0.99 COI
	HSV 2 Glycoprotein G Antibody, IgG	≤0.99 COI

HOTLINE NOTE: There is a unit of measure change associated with this test. Refer to the Hotline Test Mix for interface build information.