Importance of Herpes-1 IgG and Herpes-2 IgG diagnosis:

• HSV may cause serious infection in newborns and immunocompromised individuals.¹
• Detecting women at risk of HSV infection during pregnancy and near birth may improve outcomes.⁵
• Type-specific diagnosis can guide duration and dosage of antiviral therapy.⁵

ADVIA Centaur Herpes-1 IgG and Herpes-2 IgG Assays

Automate Type-Specific Herpes Testing

Herpes simplex virus (HSV) causes acute and recurrent infections, which are often subclinical,² however, it may cause generalized and fatal infection in newborns and immunocompromised people. Two types of HSV are serologically distinguishable: herpes simplex virus type 1 (HSV-1) and herpes simplex virus type 2 (HSV-2).²

Neonatal infection occurs during delivery, and may result in neurological damage and death. The greatest risk of newborn disease comes with late-pregnancy acquisition of HSV genital infection in a previously unexposed woman.³ Detection of women at risk of infection and prevention of viral shedding near time of birth can contribute to improve outcomes.⁴

The distinction between HSV-1 and HSV-2 infection is important to guide duration and dosage of antiviral therapy, evaluate efficacy of HSV vaccine candidates, and help clinician counseling of couples where one has genital herpes.⁵

Type-specific serological diagnosis has been technically challenging. The use of the recombinant HSV-1 glycoprotein G (gG1) and recombinant HSV-2 glycoprotein G (gG2) enables detection of HSV-1 or HSV-2 type-specific antibodies.² ⁶ ⁷

Serological testing can provide an accurate diagnosis and information in managing at-risk populations, such as pregnant women.

ADVIA Centaur Herpes-1 IgG and Herpes-2 IgG assay benefits:

• Detect HSV-1 or HSV-2 specific IgG antibodies with recombinant type-specific glycoproteins
• Consolidate TORCH and routine assay testing onto one platform to improve lab productivity
• Automate manual TORCH testing to reduce hands-on labor and increase efficiency

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ADVIA Centaur CP/XP Herpes-1 IgG and Herpes-2 IgG Assays specifications

ADVIA Centaur® Immunoassay Systems offer easy consolidation and automation of routine, specialty, and STAT testing. Make your lab efficient by consolidating Herpes-1 IgG and Herpes-2 IgG testing onto the ADVIA Centaur system.

<table>
<thead>
<tr>
<th>Assay</th>
<th>Sample Type</th>
<th>Sample Volume</th>
<th>Assay Range</th>
<th>Cutoff</th>
<th>Calibration Interval</th>
<th>Onboard Stability</th>
<th>Time to First Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>HSV1</td>
<td>Human serum, plasma (EDTA and lithium heparin)</td>
<td>20 µL</td>
<td>HSV1: 0.01-20.00 HSV2: 0.01-10.00</td>
<td>1.00 Index Value</td>
<td>28 days</td>
<td>60 days</td>
<td>XP/XPT: 57.25 min CP: 53 min</td>
</tr>
</tbody>
</table>

## Additional Specifications

### Number of tests

**100**

### Interpretation of Results

The system reports human IgG anti-HSV1 and anti-HSV2 results in Index Value and as reactive or nonreactive.
- Reactive ≥ 1.00 Index
- Non reactive < 1.00 Index

**NOTE:** There is no equivocal zone

### Assay Format

Qualitative, 2-step sandwich immunoassay using indirect chemiluminimetric technology

### Relative Sensitivity

HSV1: 97.3%; HSV2: 97.6%

### Relative Specificity

HSV1: 96.0%; HSV2: 97.4%

### Resolved Sensitivity

HSV1: 99.1%; HSV2: 100%

### Resolved Specificity

HSV1: 97.7%; HSV2: 100%

## Ordering Information

<table>
<thead>
<tr>
<th>SMN No.</th>
<th>Contents</th>
</tr>
</thead>
<tbody>
<tr>
<td>10720846</td>
<td>• 1 ReadyPack primary reagent pack containing Lite Reagent, Solid Phase, and Ancillary Well Reagent</td>
</tr>
<tr>
<td>10720849</td>
<td>• 1 vial low calibrator</td>
</tr>
<tr>
<td></td>
<td>• 1 vial high calibrator</td>
</tr>
<tr>
<td></td>
<td>• Master Curve card</td>
</tr>
<tr>
<td></td>
<td>• Calibrator Assigned Value card and barcode labels</td>
</tr>
<tr>
<td>10720847</td>
<td>ADVIA Centaur Quality Control</td>
</tr>
<tr>
<td>10720850</td>
<td>• 1 x 7.0 mL negative control</td>
</tr>
<tr>
<td></td>
<td>• 1 x 7.0 mL positive control</td>
</tr>
</tbody>
</table>

System availability: ADVIA Centaur CP/XP/XPT Immununoassay Systems

### References:


*Not available for sale in the U.S.*

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Product availability may vary from country to country and is subject to varying regulatory requirements. Please contact your local representative for availability.

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