HIV Serologic Test Result Interpretive Guide

Test Ordering Guidelines

Asymptomatic
- High-risk group or possible exposure: Order Test #1. If Test #1 is negative, consider HIV-1 RNA detection/quantification test (HIVDQ).

Symptomatic
- Acute HIV infection: Order Test #1. If Test #1 is negative, consider HIV-1 RNA detection/quantification test (HIVDQ).
- AIDS-related opportunistic infections: Order Test #1. To predict HIV-1 disease progression, order HIV-1 RNA detection/quantification test (HIVDQ).

Automatic reflex testing
- Test #2 will be performed if Test #1 result is Reactive.
- Test #3 will be performed only if Test #2 result is Indeterminate only for HIV-1 Ab.
- Both Tests #3 and #4 will be performed if Test #2 result is Reactive or Unreadable for both HIV-1 and HIV-2 Ab.
- Test #5 will be performed if Test #2 result is Reactive only for HIV-2 Ab.

<table>
<thead>
<tr>
<th>Test Number</th>
<th>HIV-1/-2 Ag and Ab Screen</th>
<th>HIV-1/-2 Ab Differentiation</th>
<th>HIV-1 Ab Western Blot</th>
<th>HIV-2 Ab Confirmation</th>
<th>Interpretation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>HIV-1 Ab</td>
<td>HIV-2 Ab</td>
<td>NT</td>
<td>NT</td>
<td>No</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td>NT</td>
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</tr>
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<td>3</td>
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<tr>
<td>4</td>
<td></td>
<td></td>
<td>NT</td>
<td>NT</td>
<td>No</td>
</tr>
</tbody>
</table>

Ab=Antibody; Ag=Antigen; IND=Indeterminate; NT=Not tested; R=Reactive; U=Unreadable

1 Consider HIV-1 RNA detection / quantification test in high-risk individuals who may have acute or very early HIV-1 infection (ie, <14 days from exposure).
2 Presumptive HIV-1 infection. Submit another specimen for HIV-1 RNA detection/quantification test (HIVDQ) (preferred) and/or HIV-1 Ab Western blot.
3 Possible dual HIV-1 and HIV-2 infection. Submit another specimen for both HIV-1 RNA detection/quantification test (HIVDQ) and HIV-2 DNA/RNA qualitative test (FHV2Q).
4 Probable HIV-2 infection. Submit another specimen for HIV-2 DNA/RNA qualitative test (FHV2Q).
5 Consider HIV-2 DNA/RNA qualitative test (FHV2Q) in high-risk individuals who may have acute or very early HIV-2 infection (ie, <14 days from exposure).