Legacy Lab Alert
An Important Update from Legacy Laboratory Services

Update:  Measles (Rubeola) IgG Antibody

Effective September 17, 2019, the reference ranges for Measles (Rubeola) IgG will change. The change was made as a result of population studies conducted by the Center for Disease Control and Prevention that showed lower positive IgG responses may provide appropriate protection. Changes are summarized in Table 1.

Table 1: Significant changes are indicated in red font.

<table>
<thead>
<tr>
<th>Name</th>
<th>NEW (Starts September 17, 2019)</th>
<th>Current (Prior to September 17, 2019)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Test</strong></td>
<td>Measles (Rubeola) IgG Antibody</td>
<td>Measles (Rubeola) IgG Antibody</td>
</tr>
<tr>
<td><strong>Mnemonic</strong></td>
<td>MEASLE IGG</td>
<td>MEASLE IGG</td>
</tr>
<tr>
<td><strong>Collect</strong></td>
<td>Serum, one 5.0mL gold (SST) or 7.0 mL red top tube</td>
<td>Serum, one 5.0mL gold (SST) or 7.0 mL red top tube</td>
</tr>
<tr>
<td><strong>Handling</strong></td>
<td>Allow serum to clot completely at room temperature (minimum – SST: 30 minutes, red top tubes: 60 minutes). Centrifuge and separate serum from cells ASAP.</td>
<td>Allow serum to clot completely at room temperature (minimum – SST: 30 minutes, red top tubes: 60 minutes). Centrifuge and separate serum from cells ASAP.</td>
</tr>
<tr>
<td><strong>Preferred Volume</strong></td>
<td>0.5 mL Serum</td>
<td>0.5 mL Serum</td>
</tr>
<tr>
<td><strong>Minimum Volume</strong></td>
<td>0.25 mL Serum (0.75 mL minimum whole blood draw)</td>
<td>0.25 mL Serum (0.75 mL minimum whole blood draw)</td>
</tr>
<tr>
<td><strong>Transport</strong></td>
<td>Refrigerated (2-8°C)</td>
<td>Refrigerated (2-8°C)</td>
</tr>
<tr>
<td><strong>Rejection Criteria</strong></td>
<td>Grossly hemolyzed, icteric or lipemic specimens; heat inactivated specimens; plasma.</td>
<td>Grossly hemolyzed, icteric or lipemic specimens; heat inactivated specimens; plasma.</td>
</tr>
<tr>
<td><strong>Stability</strong></td>
<td>AFTER SEPARATION FROM CELLS: Room temperature (18 - 26°C): 9 days; Frozen (5 -10°C): 23 days (not more than 6 freeze/thaw cycles).</td>
<td>AFTER SEPARATION FROM CELLS: Room temperature (18 - 26°C): 9 days; Frozen (5 -10°C): 23 days (not more than 6 freeze/thaw cycles).</td>
</tr>
<tr>
<td><strong>Reference Ranges</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt; 13.5 AU/mL</td>
<td>Negative for measles (rubeola) IgG antibody.</td>
<td>≤ 24.9 AU/mL Negative for Measles (rubeola) IgG Antibody.</td>
</tr>
<tr>
<td>13.5 – 16.4 AU/mL</td>
<td>Equivocal for measles (rubeola) IgG antibody. Repeat testing in 7 – 14 days may be helpful.</td>
<td>25.0 – 29.9 AU/mL Equivocal for Measles (rubeola) IgG Antibody. Repeat testing in 7 – 14 days may be helpful.</td>
</tr>
<tr>
<td>≥ 16.5 AU/mL</td>
<td>Positive for measles (rubeola) IgG antibody. A positive result generally indicates exposure to measles virus or previous vaccination.</td>
<td>≥ 30.0 AU/mL Positive for Measles (rubeola) IgG Antibody</td>
</tr>
</tbody>
</table>

NOTE: The best evidence for current infection is a significant change on two appropriately timed specimens, where both tests are done in the same laboratory at the same time.
<table>
<thead>
<tr>
<th>Name</th>
<th>NEW (Starts September 17, 2019)</th>
<th>Current (Prior to September 17, 2019)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Name</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Performed</td>
<td>Monday - Friday</td>
<td>Monday - Friday</td>
</tr>
<tr>
<td>Reported</td>
<td>24 – 72 hours</td>
<td>24 – 72 hours</td>
</tr>
<tr>
<td>Method</td>
<td>Chemiluminescent Immunoassay</td>
<td>Chemiluminescent Immunoassay</td>
</tr>
</tbody>
</table>

For additional information, please contact your account representative, client services or consult our website. Legacy Laboratory Client Services: 503-413-1234, 877-270-5566
Legacy Laboratory Services website: [www.legacyhealth.org/labservices](http://www.legacyhealth.org/labservices)