CMV AB, IGM

The Special Chemistry/Toxicology section of the Department of Pathology and Laboratory Medicine will begin performing the CMV Ab IgM test with the Wampole Laboratories ELISA II method on the Dynex DS2 analyzer on April 4, 2013. The testing moves from the Diamedix MAGO Plus ELISA method. CMV AB, IgG is the preferred test for assessing prior exposure to CMV; however, the CMV AB, IgM in combination with the CMV AB, IgG may be useful in discriminating between current and past cytomegalovirus infection.

Sample Requirements
Collect: One 4-mL SST (gold top) or serum (red top) vacutainer tube

Specimen Preparation: None

Storage/Transport: Separate serum and transport at 2-8°C if sample will not reach laboratory within 8 hours.

Stability: Unspun samples and separated serum samples are stable at room temperature for up to 8 hours. Separated serum is stable at 2-8°C for up to 48 hours, or at -20°C for longer storage.

Unacceptable Conditions: Any sample type other than as stated above is unacceptable. In addition, grossly contaminated, hemolyzed, lipemic, and icteric specimens are unacceptable.

Reference Interval: Negative

Routine Testing: Performed Thursdays on day shift

Interpretation of Results

Results for CMV Antibody IgM will be reported as follows:

<table>
<thead>
<tr>
<th>Result</th>
<th>Index Value</th>
<th>Interpretation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Negative</td>
<td>≤ 0.90</td>
<td>An index value ≤ 0.90 indicates no detectable IgM antibody to CMV. A negative result indicates no current infection with CMV. However, specimens taken too early during a primary infection may not have detectable levels of IgM antibody. If a primary infection is suspected, another specimen should be tested in 7 days.</td>
</tr>
<tr>
<td>Positive</td>
<td>≥ 1.10</td>
<td>An index value ≥ 1.10 is positive for IgM antibody to CMV. A positive value indicates a primary or reactivated infection with CMV. Such individuals are presumed to be at risk of transmitting CMV infection.</td>
</tr>
<tr>
<td>Equivocal</td>
<td>0.91-1.09</td>
<td>If clinically indicated, repeat collection and testing in 7 days.</td>
</tr>
</tbody>
</table>

If you have questions or need additional information please contact Laboratory Client Services at 734-7373 or email pathologyclientservices@ucdmc.ucdavis.edu.