Date: January 10, 2018

Syphilis Screening Update

Effective January 16, 2018, MCL will move syphilis screening to an automated assay on the Abbott Architect i1000SR. This automated platform will provide clear interpretation by specifically screening for anti-*T. pallidum* IgG and IgM antibodies via chemiluminescent (CIA) technology. This assay improves sensitivity and specificity while increasing throughput. Automatic reflexing to confirmatory tests will occur as indicated in the Reverse Testing Algorithm below. Reflex testing will be referred to Mayo Medical Laboratories.

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1. Non-treponemal tests measure levels of IgG and IgM antibodies produced by the host in response to lipids (mostly cardiolipin) released from damaged host cells associated with *T. pallidum* infection.
2. Treponemal tests detect either IgG or IgM antibodies produced by the host in response to specific *T. pallidum* antigens; the tests use either whole cells or antigens derived from cells of *T. pallidum*.
3. RPR- or VDRL-based screening may miss some cases of early untreated, previously treated, and late latent syphilis. If clinically indicated, a treponemal test should be performed.

Source: Dianaニックoll, Chuanly Mark Lu, Stephen J. McPhee
Guide to Diagnostic Tests, Seventh Edition,
www.accessmedicine.com
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Test Name: Syphilis
Performing Laboratory: MCL
CPT: 86780
Specimen Requirements: Gold, Red
Minimum Volume: 2 mL of serum
Stability: Room temp: 3 days; 2-8°C: 7 days; frozen: 30 days
Rejection Criteria: Gross hemolysis
Test Methodology: Abbot Architect i1000SR CMIA (chemiluminescent microparticle immunoassay)
Normal Range: Non-Reactive
Reportable Range: Non-Reactive vs Referred for Confirmatory Testing
Client List Price: $19.00
Patient/Insurance Price: $19.00
Other Notes: Testing may be reflexed to Mayo for confirmatory testing (SYPGR).

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<tr>
<th>Test Description</th>
<th>Order Code</th>
<th>Order Code</th>
<th>CPT Code</th>
<th>Result code</th>
<th>Result 9 character translation code</th>
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Test Name: Syphilis IgG Antibody with Reflex, Serum (SYPGR)
Performing Laboratory: Mayo Medical Laboratories
CPT:
86780 - Syphilis IgG Antibody
86592 - Rapid Plasma reagin (if appropriate)
86780 - Syphilis Antibody by TP-PA (if appropriate)
86593 - Rapid Plasma Reagin Titer (if appropriate)
Specimen Requirements: Gold, Red
Minimum Volume: 1 mL of serum
Stability: 2-8°C: 14 days; frozen: 14 days
Rejection Criteria: Gross hemolysis or lipemia
Test Methodology:
Syphilis IgG Ab – BioRad BioPlex (multiplex flow immunoassay)
RPR – Flocculation
Syphilis Ab, TP-PA – Agglutination
RPR Titer – Flocculation
Normal Range: Non-Reactive
Reportable Range: Non-Reactive vs Reactive
Client List Price:
Syphilis IgG Antibody $30.00
Rapid Plasma reagin (if appropriate) $35.00
Syphilis Antibody by TP-PA (if appropriate) $15.00
Rapid Plasma Reagin Titer (if appropriate) $15.00
Patient/Insurance Price:
Syphilis IgG Antibody $30.00
Rapid Plasma reagin (if appropriate) $35.00
Syphilis Antibody by TP-PA (if appropriate) $15.00
Rapid Plasma Reagin Titer (if appropriate) $15.00

Other Notes:

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The American Medical Association 2017 CPT code specifically states that the obstetric panel cannot be offered if the treponemal antibody test is utilized. The obstetric panel will no longer be available to order from MCL. Please order the individual test codes.

If you have any questions, comments or concerns, please contact Andrea Jones, Core Lab Manager, at 515-247-4484.

Thank you for choosing Mercy Clinical Laboratory.