**Attention:** Previously announced go live date of February 21, 2019 for this test will be delayed. An updated announcement will be provided at a later date.

**Syphilis IgG Antibody with Reflex, Serum**

**Test ID:** SYPGR

**Explanation:**
Due to a manufacturer reagent kit change, Syphilis IgG Antibody with Reflex, Serum, test code SYPGR, will become obsolete and will be replaced with Syphilis Total Antibody (IgG and IgM), with Reflex, Serum, test code SYPHT.

**Recommended Alternative Test:**

**Syphilis Total Antibody with Reflex, Serum**

**Test ID:** SYPHT

**Useful for:**
Detects both IgG and IgM antibodies (does not differentiate) to aid in the diagnosis of recent or past Treponema pallidum infection.
This assay can also be used for prenatal screening.

**Reflex Tests:**

<table>
<thead>
<tr>
<th>Test ID</th>
<th>Reporting Name</th>
<th>Available Separately</th>
<th>Always Performed</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPRS</td>
<td>RPR Screen w/ Reflex, S</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>RTPPA</td>
<td>Syphilis Ab, TP-PA, S</td>
<td>Yes (Order TPPA)</td>
<td>No</td>
</tr>
<tr>
<td>RRPRQ</td>
<td>RPR Titer, S</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

**Testing Algorithm:**
If syphilis total (SYPHT) is reactive or equivocal, then rapid plasma reagin (RPRS) will be performed at an additional charge.
If RPRS is reactive, then RPR titer (RRPRQ) will be performed at an additional charge.
If RPRS is nonreactive, then syphilis antibody (RTPPA) will be performed at an additional charge.

**Methods:**
SYPHT, RPRS: Multiplex Flow Immunoassay
RRPRQ: Flocculation/Agglutination
RTPPA: Particle Agglutination

**Reference Values:**
Syphilis Total Antibody:
Nonreactive
Rapid Plasma Reagin Screen:
Nonreactive

Rapid Plasma Reagin Titer
Negative

Syphilis Antibody, TP-PA
Negative

Reference values apply to all ages

**Specimen Requirements:**

**Container/Tube:** Serum gel

**Acceptable:** Red top

**Submission Container/Tube:** Plastic vial

**Specimen Volume:** 0.5 mL

**Collection Instructions:** Centrifuge and aliquot serum

**Minimum Volume:** 0.4 mL

**Specimen Stability Information:**

<table>
<thead>
<tr>
<th>Specimen Type</th>
<th>Temperature</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serum</td>
<td>Refrigerated (preferred)</td>
<td>14 days</td>
</tr>
<tr>
<td></td>
<td>Frozen</td>
<td>14 days</td>
</tr>
</tbody>
</table>

**Cautions:**

- Despite active syphilis, serologic tests may be negative in severely immunosuppressed patients such as those with AIDS.
- In very early cases of primary syphilis (i.e., presence of chancre), serology tests for syphilis may be negative.
- In cases of untreated, late or latent syphilis, the result of rapid plasma reagin (RPR) may be negative. However, the syphilis screening test multiplex flow immunoassay (MFI) and TP-PA should be positive. A thorough clinical and historical evaluation should be performed to determine if treatment for latent syphilis is required.
- Results should be considered in the context of all available clinical and laboratory data.

**CPT Code:**

86780
86592-RPR Screen w/ Reflux, S (if appropriate)
86780-Syphilis Antibody by TP-PA (if appropriate)
86593-Rapid Plasma Reagin Titer (if appropriate)

**Day(s) Setup:** Monday through Saturday; 9 a.m  
**Analytic Time:** Same day/1 day

**Questions**

Contact Dunisha Messmer, Laboratory Technologist Resource Coordinator at 800-533-1710.