



SYPHILIS SCREENING and Monitoring Therapeutic Treatment in Confirmed Cases

May 15, 2018

PCL Alverno is pleased to announce the move to automated RPR testing and improved sensitivity of early syphilis infection detection. Our new Syphilis assay will detect both *Treponema pallidum* IgM and IgG antibodies and cardiolipin antibodies. The testing algorithms will remain the same with both treponemal (Syphilis antibody) and non-treponemal (RPR) testing first, followed by confirmation testing if required. Alverno is also introducing a new test built specifically for the monitoring of treatment for previously confirmed cases.

Syphilis Screening

Reverse Algorithm

Recommended for routine screening for syphilis. Sensitive for early syphilis infection.

| Initial Test | Confirmation Test | | Follow up |
|---|------------------------------------|--|---|
| SYPHB (Syphilis Screen), treponemal antibody | RPR cardiolipin antibody | RPR Quantitation , performed if RPR is Reactive | TP-PA performed if cardiolipin confirmation testing is inconclusive. |

Traditional Algorithm

Required screening for immigration (CDC protocol). Component of prenatal panels. Screening for patients < 1 year.

| Initial Test | Confirmation Test | | Follow up |
|--|--|--|-----------|
| RPR (RPR, Qualitative w/ Reflex to Titer) cardiolipin antibody | RPR Quantitation , performed if RPR is Reactive | Syphilis Antibody treponemal antibody | NONE |

New Test Therapeutic Monitoring

Response to Therapy

Order for confirmed syphilis patients undergoing treatment

| Initial Test | Confirmation Test | Interpretation |
|--|--|---|
| RPRMN (RPR Monitoring) cardiolipin antibody | RPR Quantitation , performed if RPR is Reactive | Treatment response is indicated by a 4-fold reduction in RPR titer (ex, from 1:32 to 1:8) within 6 months of initiation of therapy. |

IMPORTANT: Do Not Order RPR Quantitative. This is an automatic reflex assay that will be performed on all reactive RPR results. An RPR must be performed before a quantitative titer.

Find Us on Facebook, LinkedIn and Google Plus!

2434 Interstate Plaza Drive, Hammond, IN 46324
toll free 800.937.5521 · phone 219.989.3700 · fax 219.989.3900

www.PCLAlverno.com



Reverse Algorithm

Recommended for routine screening for syphilis. Sensitive for early syphilis infection.

| Initial Test | Confirmation Test | | Follow up |
|--|------------------------------------|--|---|
| SYPHB (Syphilis Screen) treponemal antibody | RPR cardiolipin antibody | RPR Quantitation performed if RPR is Reactive | TP-PA performed if cardiolipin confirmation testing is inconclusive. |

Traditional Algorithm

Required screening for immigration (CDC protocol). Component of prenatal panels. Screening for patients < 1 year.

| Initial Test | Confirmation Test | | Follow up |
|--|--|---|-------------|
| RPR (RPR, Qualitative w/ Reflex to Titer) cardiolipin antibody | RPR Quantitation performed if RPR is Reactive | Syphilis Antibody treponemal antibody | NONE |

Response to Therapy

Order for confirmed syphilis patients undergoing treatment.

| Initial Test | Confirmation Test | Interpretation |
|--|--|---|
| RPRMN (RPR Monitoring) cardiolipin antibody | RPR Quantitation performed if RPR is Reactive | Treatment response is indicated by a 4-fold reduction in RPR titer (ex, from 1:32 to 1:8) within 6 months of initiation of therapy. |