

# News

## Clinical Laboratory Test Update

### Syphilis Screening Algorithm

The University of Colorado Hospital Clinical Laboratory follows a reverse algorithm in Syphilis testing. Testing begins with the Treponema pallidum antibody (TREPAB), which is the recommended test for syphilis.

If the TREPAB test is reactive, a Rapid Plasma Reagin (RPR) is performed as noted below.

Test name	Treponema pallidum antibody (TREPAB)
EAP	LAB1197
Testing Algorithm	<p>Samples that test reactive by the TREPAB assay will automatically be tested by the rapid plasma reagin (RPR) method to help determine the timing of the infection. If the RPR test is reactive, RPR titer will also be performed.</p> <pre> graph TD     A([UCH Syphilis Diagnostic Strategy Treponemal Antibodies (Immunoassay)]) --&gt; B[Reactive]     A --&gt; C[Non-reactive]     B -- "Automatic reflex test" --&gt; D([RPR (Non-Treponemal Assay)])     D --&gt; E[Reactive]     D --&gt; F[Non-reactive]     E -- "Automatic reflex test" --&gt; G[RPR Titer]     F --&gt; H[Further consideration of patient's history/risk is necessary]     </pre>
CPT	TREPAB 86780. If TREPAB is reactive, RPR will be performed and billed (86592). If RPR is reactive, RPR Titer will be performed and billed (86953).

Please visit our test directory at <https://www.testmenu.com/universityhospital> for additional information.



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