

News

Clinical Laboratory Test Update

Syphilis Screening Algorithm Update

The University of Colorado Hospital Clinical Laboratory has updated syphilis screening reflex testing. EPIC orders for TREPAB now include a required response regarding the patient's history of syphilis.

New: When ordering TREPAB, providers will answer: "History of syphilis?"

- If **NO or UNKNOWN**:
 - TREPAB reactive and RPR non-reactive: The sample will be sent to a reference lab for Treponema pallidum-particle agglutination (TP-PA) testing.
- If **YES**:
 - TREPAB reactive and RPR non-reactive: No further testing will be performed.
 - If RPR is reactive: An RPR Titer will be performed.

Refer to the algorithm below for additional details.

Test Name	Treponema pallidum antibody (TREPAB)
EPIC order	LAB1197
Ordering question New	"History of syphilis" required response: YES, NO or UNKNOWN
Minimum sample volume Updated	2.0 mL serum
Testing Algorithm	<pre> graph TD A[UCH Syphilis Diagnostic Strategy] --> B[Treponemal Antibodies (Immunoassay)] B --> C[Reactive] B --> D[Non-reactive] C -- "Automatic reflex test" --> E[RPR (Non-Treponemal Assay)] E --> F[Reactive] E --> G[Non-reactive] F -- "Automatic reflex test" --> H[RPR Titer] G --> I[Further consideration of patient's history/risk is necessary] I --> J[If "History of syphilis" is NO or UNKNOWN Send out TP-PA] I --> K[If "History of syphilis" is YES No further testing, treated syphilis] </pre>
CPT codes	TREPAB- 86780, RPR- 86592, RPR Titer- 86953, TP-PA- 86780

Effective January 15, 2025. Please call Melkon DomBourian, MD, medical director at 720-848-1551 if you have any questions or visit our test directory at <https://www.testmenu.com/universityhospital> for additional information.