

Clinical Laboratory Test Update

SYPHILIS SCREENING ALGORITHM

Effective Date: Wednesday, 01/15/2025

Effective January 15, 2025, UHealth South Region Laboratories 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.

Test Name	Treponema pallidum antibody (TREPAB)
EPIC Order	LAB1197
Ordering Question <i>new</i>	"History of syphilis" (required): YES, NO or UNKNOWN
Sample Volume <i>updated</i>	2.0 mL serum (red w/ gel or gold SST)
Testing Algorithm	<pre> graph TD A[Diagnostic Strategy] --> B[Treponemal Antibodies (Immunoassay)] B --> C[Reactive] B --> D[Non-reactive] C --> E[Automatic reflex test] E --> F[RPR (Non-Treponemal Assay)] F --> G[Reactive] F --> H[Non-reactive] G --> I[Automatic reflex test] I --> J[RPR Titer] H --> K[Further consideration of patient's history/risk is necessary] K --> L["If 'History of syphilis' is NO or UNKNOWN Send out TP-PA"] K --> M["If 'History of syphilis' is YES No further testing, treated syphilis"] </pre>
CPT Codes	TREPAB- 86780, RPR- 86592, RPR Titer- 86953, TP-PA- 86780

For any questions about this test update, please contact:
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