

## Treponemal Antibody Analyzer

Order Name: **Treponemal AB AN**  
Test Number: 5500607  
Revision Date: 12/01/2025

| TEST NAME                            | METHODOLOGY             | LOINC CODE |
|--------------------------------------|-------------------------|------------|
| Treponemal Antibody for the Analyzer | Chemiluminescence Assay | 4726-5     |
| Treponemal Antibody Index            | Calculation             | n/a        |

### SPECIMEN REQUIREMENTS

|              |                                                                 |               |                           |                       |
|--------------|-----------------------------------------------------------------|---------------|---------------------------|-----------------------|
| Specimen     | Specimen Volume (min)                                           | Specimen Type | Specimen Container        | Transport Environment |
| Preferred    | <b>3 mL (0.6 mL)</b>                                            | <b>Serum</b>  | <b>Clot Activator SST</b> | <b>Refrigerated</b>   |
| Instructions | Stability: Ambient 3 days. Refrigerated 7 days. Frozen 30 days. |               |                           |                       |

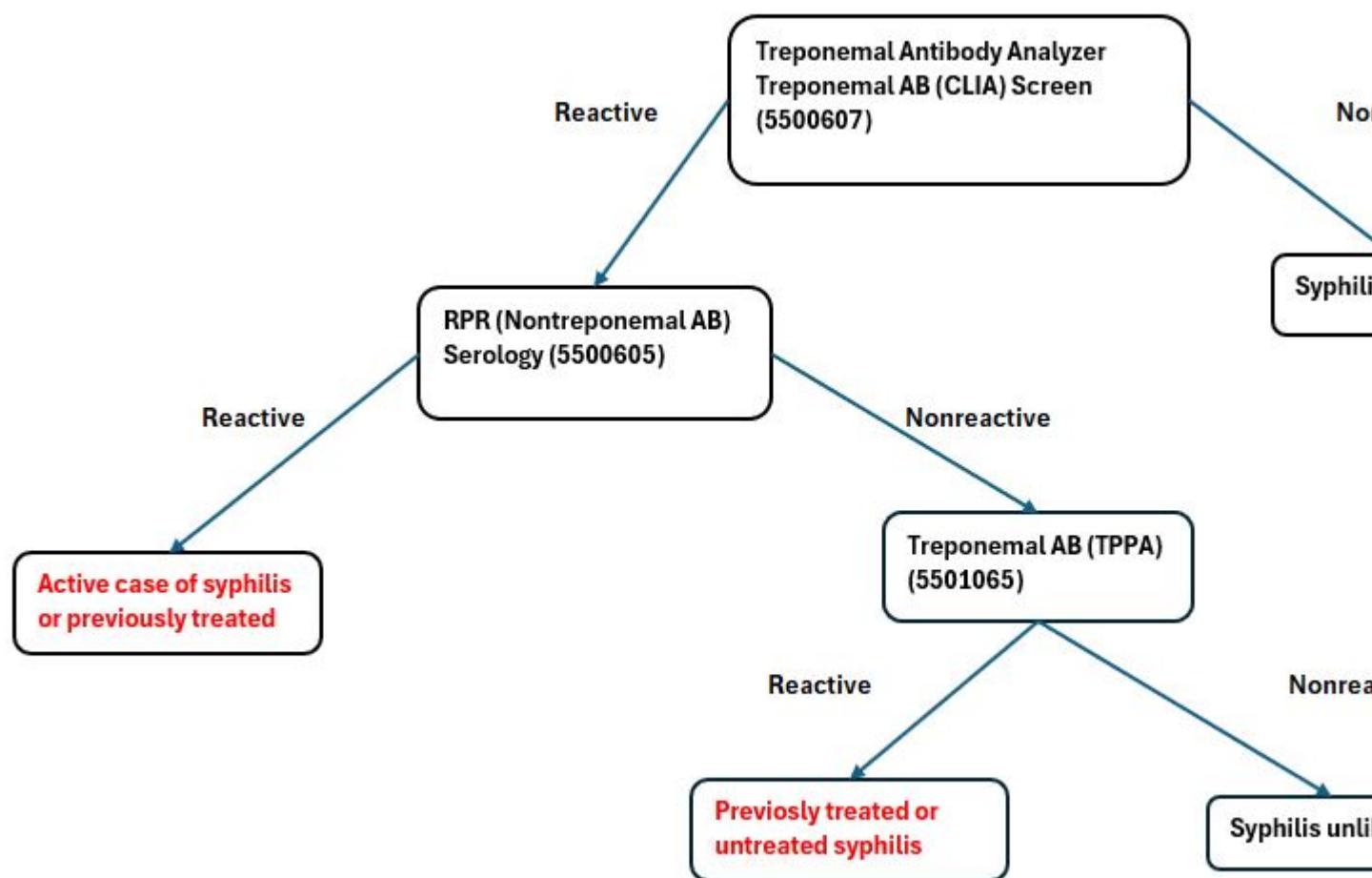
### GENERAL INFORMATION

Testing Mon - Sat  
Schedule

Expected 1-2 Days  
TAT

Clinical  
Use

| TREPON<br>EMAL<br>ANTIBO<br>DY<br>(CLIA) | NON-<br>TREP<br>ONEM<br>AL<br>(RPR) | TREPON<br>EMAL<br>ANTIBO<br>DY<br>(TPPA) | RESULT LONG NAME                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------|-------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Non-<br>Reactive                         | Not<br>Perfo<br>rmed                | Not<br>Perform<br>ed                     | No laboratory evidence of syphilis. If recent exposure is suspected, submit a new sample for testing in 2-4 weeks                                                                                                                                                                                                                                                                                                                           |
| Reactive                                 | Non-<br>React<br>ive                | Non-<br>React<br>ive                     | If the Treponemal Antibody detected has a low antibody index (<4.05) by the CLIA method with the absence of confirmation by it is due to either a patient with a very early Syphilis infection or a false positive. The                                                                                                                                                                                                                     |
|                                          |                                     |                                          | Treponemal Antibody assay using the CLIA method is more sensitive than either the Nontreponemal Antibody (RPR) or the TP is also a Treponemal Ab assay. The clinical history is key in determining whether it is a false positive or a very early stage of in recent exposure is suspected, submit a new sample for testing in 2-4 weeks; however, if the clinical suspicion is low, it is most positive, and no further testing is needed. |
| Reactive                                 | React<br>ive                        | Not<br>perform<br>ed                     | Treponemal with Nontreponemal antibodies indicate a current or recent past infection. A thorough clinical evaluation is recom<br>for active signs and symptoms or a history of a recent infection.                                                                                                                                                                                                                                          |
|                                          |                                     |                                          | Approximately 84-90% of infected patients will remain positive for Treponemal antibody for life and the other 10-16% will be po<br>years. Post-treatment monitoring should be performed using only the Nontreponemal antibody (RPR) assay to evaluate treatm                                                                                                                                                                                |
| Reactive                                 | Non-<br>React<br>ive                | Reactive                                 | Only Treponemal antibodies detected, thus most likely consistent with past syphilis infection. Clinical evaluation should be per<br>current signs and symptoms or past history of infection. If past history of treatment is reported, no further management is need<br>recent exposure is suspected, submit a new sample for testing in 2-4 weeks.                                                                                         |



**Notes** The Treponemal Antibody Analyzer screen reactive specimens will reflex to an **Non-Treponemal Antibody (RPR)** and titer (Test Code **5500605**), at additional charge(s). A Non-Reactive **Non-Treponemal Antibody (RPR)** assay is performed to distinguish recent/active from past infection. A Non-Reactive **Non-Treponemal Antibody (RPR)** assay will reflex to a treponemal assay **Treponemal Antibodies, TPPA** (Test Code **5501065**), at additional charge(s). The presence of maternal Treponemal Antibody (Syphilis specific Antibodies) can be detected up to 15-18 months. Therefore, only a **Non-Treponemal antibody (RPR)** (**5500605**) assay will be performed on babies <18 months.

**CPT Code(s)** 86780 (possible 86780 and 86592)

**Lab Section** Immunology - Serology