

**TESTING METHOD CHANGE: SYPHILIS SCREENING ALGORITHM
 WITH REFLEX, SERUM (Epic Test Codes: LAB1230000)**

EXPLANATION: In order to help standardize syphilis testing across WVU Medicine, the treponemal antibody screen is moving to a new instrument in the Ruby Laboratory. Treponemal antibody results will be reported as “Reactive” or “Non-reactive”. All “Reactive” samples will reflexively undergo confirmatory testing according to the most recent testing guidelines, which may include a manual RPR (with titer if positive) or a TP-PA (if RPR is negative). All results include an interpretation as shown in the table below. Serum remains the only acceptable specimen type.

Treponemal antibody	RPR Result	RPR Titer	TP-PA Result	SYPHILIS INTERPRETATION
Nonreactive	Not performed	NO	Not Performed	No serologic evidence of exposure to syphilis
Reactive	Reactive	YES	Not Applicable	Suggestive of active infection. Treponemal and non-treponemal antibodies detected.
Reactive	Nonreactive	NO	Reactive	Suggestive of remote infection with treatment/resolution OR late stage infection. The presence of treponemal antibody is confirmed, but no evidence of non-treponemal antibody is detected.
Reactive	Nonreactive	NO	Nonreactive	Suggestive of false positive treponemal antibody screening result. The presence of treponemal antibody is not confirmed, and there is no evidence of non-treponemal antibody detected.
Reactive	Nonreactive	NO	Indeterminate	Indeterminate. The presence of treponemal antibody is equivocal, and there is no evidence of non-treponemal antibody detected. Recommend repeat testing in 4-6 weeks.

QUESTIONS ABOUT THIS TESTING

Meranda Mancino, Technical Specialist, Auto Chemistry, 304-598-4241
meranda.mancino@wvumedicine.org

Jianbo Yang, PhD (DABCC), Section Director Auto Chemistry at 304-598-6393
jianbo.yang@hsc.wvu.edu

Carole Mahaffey, MT (ASCP), Technical Specialist, Special Chemistry at 304-598-3214
carole.mahaffey@wvumedicine.org

Danyel Tacker, PhD (DABCC), Section Director Special Chemistry at 304-598-4243
dtacker@hsc.wvu.edu

QUESTIONS

Contact WVUH Laboratories 304-598-4241 or
 UML Representatives 304-285-7201

ADDITIONAL INFORMATION AVAILABLE ONLINE: [WVU Medicine Online Test Catalog](#)