

FDA Cleared For Diagnostic, Blood Donor and Cadaveric Tissue Screening



ASI Evolution® Syphilis Analyzer and Automated RPR Test

- Fully-automates CDC recommended algorithm
- Enables workflow efficiencies
- Processes, analyzes, reports and archives results
- Consistent, dependable and objective results

Clinical Value

- Standardized methodology
- Fewer false-positives
- Detect, diagnose and monitor

Operational Value

- Walk-a-way system
- 190 tests per hour per analyzer
- Titters up to 1:2048

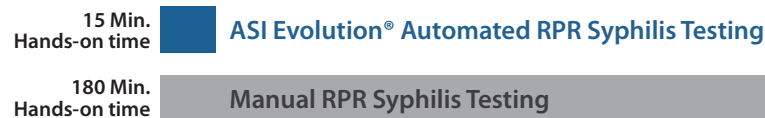
Financial Value

- Lowest cost automated syphilis test
- Minimal consumables required

The ASI® AUTOMATED RPR (rapid plasma reagin) Test for syphilis is a qualitative and semiquantitative nontreponemal flocculation test for the detection of reagin antibodies in human serum and plasma as a screening test for serological evidence of syphilis for use on the ASI Evolution® Analyzer. The ASI® AUTOMATED RPR Test for Syphilis is for professional use only.

Time Saving Advantages

Now labs can utilize Lab Techs more efficiently and simplify their syphilis screening workload with the ASI Evolution.



In a study comparing the hands-on time required to run 900 tests on the ASI Evolution vs manually, it was found that the ASI Evolution required 92% less hands-on time vs the manual process. A lab tech using 30 well cards was able to perform 900 samples manually in 3 hours, 2 minutes and 3 seconds. For the Evolution®, samples were placed into 5 racks (4x192 + 1x132) prior to running the samples. Total hands-on time to run 5 racks of samples was 15 minutes and 28 seconds, 1/12 the hands-on time required to perform the test manually.

VWR Cat. Number	Evolution Analyzer
76203-518	Syphilis Analyzer
76354-002	Waste System
76354-000	Extra Sample Racks

VWR Cat. Number	ASI® Brand Automated RPR Test Kits
76543-942	480 Tests (Blood Bank)
76543-946	480 Tests (Diagnostic)
76543-944	4800 Tests (Blood Bank)
76543-948	4800 Tests (Diagnostic)

VWR Cat. Number	Automated RPR Controls
76203-514	2.5 mL Control Set
76203-516	5.0 mL Control Set
76203-512	EPT Diluent 20 ml

Why Nontreponemal?

Better Science, Better Technology, Better Efficiency, Better Outcomes, Better Medicine!

The ASI Evolution® is the standard for automated RPR syphilis screening. The Evolution is the world's first and only fully-automated system for nontreponemal RPR diagnostic/clinical screening and blood donor and cadaveric tissue screening. Simply load your reagent and samples, then walk-away. The Evolution automates the processing, analysis, reporting and archival of results for RPR screens.

Advantages of Nontreponemal RPR Testing

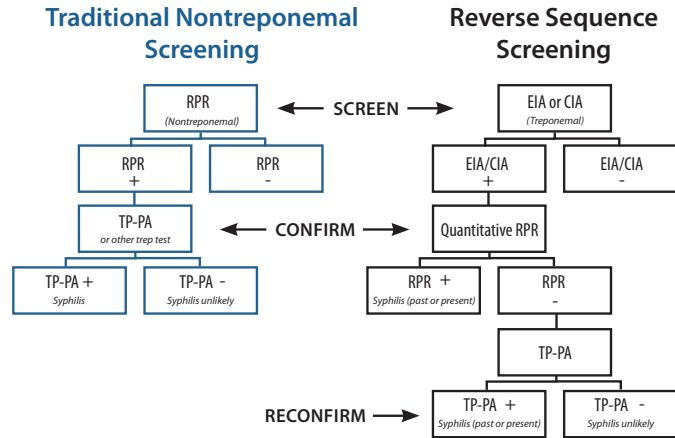
"The CDC continues to recommend the traditional screening algorithm using a nontreponemal test (e.g., RPR or VDRL), with reactive nontreponemal tests confirmed by treponemal testing."

Gail Bolan, MD; Director, Division of STD Prevention; National Center For HIV/AIDS, Viral Hepatitis, STD, and TB Prevention

Competitive Matrix		
	Trep	Nontrep
Determines active infection		✓
Can monitor response to therapy		✓
Lowest cost per result		✓
Can provide titers of sample	✓	✓
Can be automated for high throughput		✓
Earliest detection of infection method		✓
Recommended for prenatal screening*		✓

*American Academy of Pediatrics, American College of Obstetricians and Gynecologists, and March of Dimes Birth Defects Foundation. Guidelines for Perinatal Care. 6th ed. Elk Grove Village, Ill.: American Academy of Pediatrics; 2008.

<https://www.aafp.org/afp/2010/0115/od1.html#afp20100115od1-b3>



A 2015 CDC study determined that nontreponemal tests can detect infection up to 14 days earlier than treponemal tests.*

Day since 1st Bleed	Nontreponemal Test			Treponemal Test				
	ASI RPR	BD RPR	NT EIA	Treponema	PK TP	Serodia	Trinity Biotech	
				Syphilis	Syphilis	TPPA Syp	Syphilis IgG	Syphilis IgM
Day 0	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG
Day 5	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG
Day 10	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG
Day 13	NEG	NEG	NEG	NEG	NEG	NEG	NEG	NEG
Day 31	POS	POS	NEG	NEG	NEG	NEG	NEG	NEG
Day 45	POS	POS	POS	POS	POS	POS	IND	POS
Day 48	POS	POS	POS	POS	POS	POS	IND	POS
Day 52	POS	POS	POS	POS	POS	POS	IND	POS
Day 59	POS	POS	POS	POS	POS	POS	POS	POS

NEG = Negative, POS = Positive, IND = Indeterminate, Syphilis Seroconversion panel PSS901

*Courtesy of Centers for Disease Control and Prevention

For use in

- IDN's and Hospital labs	- Acute Care	- Military	- Tissue Transplant Centers
- Reference Labs	- Physician labs	- University Health Centers	- OB/GYN Labs/Centers
- Independent Reference Labs	- Public Health Labs	- Blood banks	



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