

NEW RELEASE!
AIX 2.1



AIX1000®

Fully automated RPR for Syphilis Serology

The AIX1000® is a fully automated system for nontreponemal, rapid plasma reagin (RPR) testing designed to simplify the processing, analysis, and results interpretation for RPR screens and titers out to 1:2048. With a universal slide-in rack system accommodating a variety of tube sizes, sample loading has become even easier and faster.

Main Features / Key Updates

- **NEW:** Extra High Titer capability (1:512, 1:1024, 1:2048), bleach maintenance added, automatic next actions, reflex runs after worklist completion
- Runs RPR screens and titers – up to 192 samples in 90 minutes
- Full sample traceability: integrated barcode reading compatible with 1D and 2D barcodes
- Proprietary image recognition algorithm gives objective results
- Reduced labor overhead: reduced TAT and hands on
- Easy access to test results: save data and review on demand
- Improved Database Management cutting in half the time to perform backups
- Remote data archiving capabilities and an expandable status log
- For use with AIX1000 RPR Reagent kit (cat # GSD01-1600), AIX1000 RPR Reagent bulk kit (cat # GSD34-1600-R), GSD Bleach Kit (cat # SHW-20), and GSD RPR Diluent (cat # GSD01-1600-DIL)

TECHNICAL SPECIFICATIONS

Capacity

Sample Capacity	12 racks of 16 samples. Up to 192 samples total
Reagent Capacity	1 rack of 4 reagent positions and 2 control positions
MTP Positions	4 positions (4 reaction plates for screens, 3 reaction plates, and 1 predilution plate for titers)
System Fluid	1 x 1L external PBS solution
Liquid Waste	1 x 2L external waste bottle position

Worklist Set-up

Sample Loading	Slide-in Racks w/ integrated barcode reader accepting 1D/ 2D barcodes
Test Tube Size(s)	Accepts 12 to 16 mm diameter, up to 100 mm tall tubes

Liquid Handling

Probe Assembly	Single probe, dual needle system
Probe Tip	Fixed needle, washable stainless steel
Liquid Level Detection	Conductivity
Titer Range	RPR Low Titer - 1:2, 1:4, 1:8, 1:16 RPR High Titer - 1:32, 1:64, 1:128, 1:256 RPR Extra High Titer - 1:512, 1:1024, 1:2048

Hardware

Image capture	Probe-mounted high-resolution camera
LED	Long-life backlighting to support high-contrast images LED indicators for slide-in rack base plate
Orbital MTP Shaker	Amplitude: 10 mm, Speed: Up to 400 RPM, 4 MTP
Stirrer	Integrated into the reagent rack, Speed up to 400 RPMs

Software

Language	Multi-language support
User Interface	MS Windows 10 and 11 Graphical User Interface
Instrument Manager	Proprietary image recognition algorithm. Independent well tracking and timing. Results review. In-process controls & maintenance prompts. Remote data archiving. Worker-friendly time-efficient database backup. Expandable status log.
SW Package	AIX1000® Server, AIX1000® System Configuration Tool, and AIX1000® Instrument Manager
Data Server	Database of results, maintenance logs, lot/expiry information, etc. Connects multiple instruments and consolidates data, LIS integration: Bi-directional, RS232, USB, TCP/IP
LIS Integration	Bi-directional, RS232, USB, TCP/IP

General Information

Ordering No.	00400*
Power	Voltage: 100-265V. Frequency: 50-60Hz. Consumption: 12W w/o incubator, 120W max
Specifications	W: 25.2 in, D: 22.5 in, H: 17.7 in (W: 64 cm, D: 57 cm, H: 45 cm), H (open): 36 in (91.5 cm)
Dimensions Weight	62 lbs (28 kg)
FDA Cleared/CE Marked	Yes/No

*Software is backwards compatible with instrument. 2.1 software will work on Intelligent and Slide-In Rack hardware.