

Siemens Medical Solutions Diagnostics offers a broad portfolio of performance-driven diagnostic solutions that provide more effective ways to assist in the diagnosis, monitoring, and management of disease. Our products and services bring together the right balance of science, technology, and practicality across the healthcare continuum to empower medical professionals with the vital information they need to deliver better, more personalized care to patients around the globe.

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Product availability may vary from country to country and is subject to varying regulatory requirements. Please contact your local representative for availability.

*Claim not yet received for the ADVIA 2400 Chemistry System.

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Very Accurate. Very Efficient. VeriSmart.

ADVIA Chemistry Systems

Siemens Medical Solutions Diagnostics

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VeriSmart Technology. Advanced System for Reliability, Only from ADVIA Chemistry

The VeriSmart Way to Test

VeriSmart™ Technology is the combination of hardware and software checks that work in harmony to ensure accuracy of test results without interrupting workflow.



Designed for Superior Performance



Sample Tray, and Calibrators and Controls Tray for Optimum Efficiency

- Sample tray holds up to 84 bar-coded primary tube containers
- Refrigerated calibrators and controls tray hold up to 61 containers
- Auto-calibration on lot number switch
- Auto-quality control (QC) at specific intervals throughout the day
- Weekly auto-start and auto-shutoff maintenance



ISE System for High-throughput Productivity

- Simultaneous measurement of all three ISEs (sodium, potassium, and chloride) with 22 µL of sample
- Up to 600 tests/hour and up to 200 tubes/hour

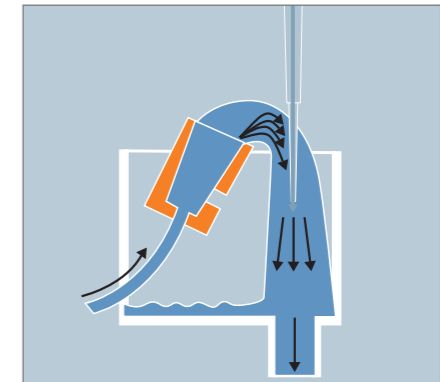
Microvolume Technology for Peak Productivity

- 30 µL positive displacement syringe acts as a volumetric pipette for accurate sample delivery at 0.1 µL intervals
- 1:5 dilution with isotonic saline will yield 150 µL, enough for up to 15 tests; especially beneficial for a geriatric or pediatric population
- Cuvette design for minimal reaction volume of 60-80 µL



Smart Probe Design for Accuracy and Reliability

- Liquid level sensing to ensure probe accuracy of sample aspiration
- Crash protection to increase reliability and prevent downtime
- Short sample detection to ensure correct volume aspiration
- Point-in-space technology for automation readiness



Sample Carryover Minimization for Accurate Results

- Clot/clog detection; probe will self-clear clogs on the wash station
- The efficient probe wash system minimizes sample-to-sample carryover to less than 0.1 part per million (<0.1 ppm),* providing the benefit of allowing sharing of the primary tube with immunodiagnosics systems

Ensuring Accuracy at Every Stage

Introducing VeriSmart Technology, a processing verification system that brings new levels of accuracy to chemistry testing. By integrating hardware and software checks at every stage of sample processing, VeriSmart delivers results you can rely on test after test. And because it's coupled with all the advanced features of ADVIA Chemistry, you also get unmatched efficiency, reliability, and productivity. Make a VeriSmart choice for your lab—choose ADVIA Chemistry.



Point-in-space technology: primary probe can swing out 225° for sampling without requiring additional robotic interface

Results You Can Rely On, Test After Test



Automatic Sample Retain for Optimum Efficiency

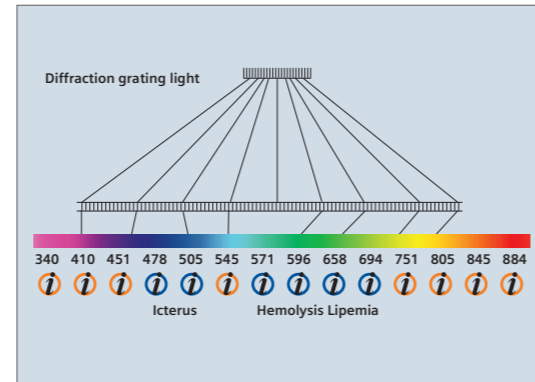
- Auto-dilution of over-range samples to ensure accurate results
- Auto-rerun laboratory-defined limits that can trigger automatic retesting
- Auto-reflex testing can trigger secondary testing upon results of a primary test

Incubation Oil Bath for Easy Efficiency

- Efficient equalization of temperature—oil bath heats up quickly to 37°C and minimizes the energy needed to maintain temperature
- Density of oil bath will not mix with water or other foreign material
- Minimizes maintenance associated with conventional water bath incubation
- Higher diffraction index minimizes loss of light and increases sensitivity
- Eliminates adhesion of bubbles to sides of the cuvette

Cuvette Integrity Verification for Confidence in Results

- Minimization of sample-to-sample contamination through efficient cuvette washing
- Cuvette integrity check after every use



Lamp Voltage Verification for Reliable Test Processing

- Fixed diffraction grating photometer
- No moving parts for increased reliability
- Simultaneous measurement of all 14 wavelengths at once
- Advantage of qualitative measurement of serum indices
- Lamp voltage check during every cell blank check and after each assay is run



Dynamic Reagent Inventory for Accurate Inventory Management

- System calculates the number of tests remaining in inventory every time the reagent probe aspirates reagent for testing
- Liquid surface verification for accurate reagent aspiration
- Capability to dilute concentrated reagents



Make a VeriSmart Move

Choose ADVIA Chemistry with VeriSmart Technology and you can be sure of quality, reliability, and optimum performance for every test. What could be smarter than that?

ADVIA® Clinical Chemistry Methods

General Chemistry
 Specific Proteins
 Drugs of Abuse/Toxicology
 Special Chemistry
 Therapeutic Drug Monitoring (TDM)
 Open Channel Applications