

CLINICAL CHEMISTRY



The new VITROS[®] 350 Chemistry System is designed to be efficient, dependable, and — above all — easy to use. FACT: In a recent survey of 535 laboratory professionals, "simplified operation that reduces error" was the most frequently chosen (73%) and valued criteria in selecting a new chemistry system.* And customers rate VITROS Chemistry Systems as the easiest to use and most reliable.** Whether you use it as a primary, STAT, or backup system, the VITROS 350 Chemistry System will get the job done right the first time. IT'S THAT SIMPLE. For more information, contact your Ortho-Clinical Diagnostics Representative or visit our Web site at www.orthoclinical.com.

* CaseBauer[™] Chemistry and Immunoassay Analyzers, North America and Europe 2002 ** EAC U.S. Hospital Clinical Chemistry and Immunoassay Survey 2003 (VITROS 950 and 250 Systems) and Frost & Sullivan European Clinical Laboratories Analysers Market 2004





VITROS® 350 Chemistry System Specifications

Labor Saving Ease of Use

- The VITROS 350 doesn't require highly-trained operators simple procedures allow around-the-clock availability to all members of the lab staff
- Easy to train and cross train operators
- Walk-away operation
- Quality control procedures are required just once each day and calibration intervals up to 6 months
- Process monitoring

Operator Interface

- · Ergonomically designed, flat low-glare LCD touch screen monitor
- Keyboard platform and support arm
- Flexible, customized positioning
- On-board documentation and help function

Versatile and Efficient

- Up to 300 results per hour
- On-board capacity for all 45 assays
- Primary tube sampling
- On-board dilution
- · Optional positive patient identification via barcode scanner
- Flexible processing for manual, stat or automated testing

Secure Results

- Unique sample processing capabilities like disposable tips, bubble and clot detection assure confidence in results
- Self-monitoring alerts operators to prompt action, avoiding testing delays

Environment Friendly

 No plumbing, drains, vents, deionized water is required; all "waste" is contained in used test slides which are disposed daily

Cost-effective VITROS MicroSlide[™] Technology

Delivers low cost per reportable result and high reagent efficiency without the costs, maintenance, preparation, carryover, and interference associated with traditional water-based and indirect ISE systems.



- Measurement Principles: Potentiometric (direct ISE), Colormetric/Rate, Immuno-rate
- On-Board Test Capacity: 3600 tests
- Sample Types: Serum, Plasma, Urine, CSF
- Sample Volume: 5-11 μL
- Sample Capacity: 40 samples (4 trays of 10 samples)
- Time for Single Results: ~ 2.5 to 8 minutes
 - Potentiometric: ~ 2.5 minutes
 - Colormetric: ~ 5 minutes
 - Immuno-rate: ~ 8 minutes
- Sample Containers: 10mL, 7mL, 5mL, 2-4mL Collection Tubes, 1mL Microtube, Microsample cup and .5mL and 2mL
- Sample Management: Clot Detection, Bubble Detection, Liquid Level-Sensing (Pressure Transducer), Short-Sample Detection
- Automated Technology (optional): Includes automatic tip loading and deep tube sampling
- Calibration: Extended; multiple lots supported

VITROS MicroSlide Tests

Acetaminophen	Cholesterol/HDL	Lactate	Total Bilirubin
Alanine Aminotransferase	Chloride	Lactate Dehydrogenase	Total Protein
Albumin	Cholinesterase	Lipase	Triglyceride
Alcohol	Creatinine	Lithium	Unconjugated/Conjugated
Alkaline Phosphatase	Creatine Kinase	Magnesium	Bilirubin
Ammonia	Creatine Kinase MB	Phenobarbital	Urea Nitrogen
Amylase	CSF Protein	Phenytoin	Uric Acid
Aspartate Aminotransferase	Digoxin	Phosphorus	Urine Protein
C-Reactive Protein	Gamma Glutamyl Transferase	Potassium	
Calcium	Glucose	Salicylate	
Carbamazepine	dHDL*	Sodium	
Carbon Dioxide	Iron/Total Iron Binding Capacity	Theophylline	*under development

For more information contact your Ortho-Clinical Diagnostics representative or visit our website at www.orthoclinical.com.

