

VITROS® ECiQ Immunodiagnostic System



ADVANCED PROCESSING CENTER

Ensures result integrity for quality result reporting

- Patient samples and reagents automatically metered into MICROWELLS
- INTELLICHECK Technology verification at each step
- Dual-logic processing optimizes assay performance and throughput

REAGENT MANAGEMENT CENTER

Optimizes labor by reducing operator intervention

- Up to 20 Integrated Reagent Packs loaded any time and stored on-board for continuous, random access operation
- Automatic Inventory Management monitors and verifies inventory, expiration, and calibration
- INTELLICHECK Technology verifies MICROWELL dispense and assay reagent aspiration and dispense

SAMPLING CENTER

Reduces errors for worry-free result reporting

- Unique Save-the-Sample Clot/Bubble Detection preserves the specimen and minimizes redraw
- Disposable Tip Sample Metering verifies sample aspiration and dispense, while addressing carryover and cross-contamination concerns
- Universal Sample Trays accommodate primary, secondary, and microcollection containers and sample cups without adapters or pour-off containers

e-CONNECTIVITY® CENTER

Maximizes system uptime and increases staff productivity

- Highly secure, real-time two-way communication between your system and our support teams
- Automatic Data Exchange and Remote Connectivity for immediate diagnostic and performance analysis
- Immediate resolution of technical issues without a service visit

SYSTEM COMMAND CENTER

Improves staff efficiency and enhances ease-of-use

- Exclusive INTELLIREPORT reports the quality of each result
- INTELLICHECK Monitoring reports key INTELLICHECK Technology verifications
- Ergonomically designed, flat touchscreen; keyboard platform; and support arm
- Intuitive, easy-to-use, color-coded graphical interface simplifies training

SUPPLY CENTER

Improves service levels and staff efficiency

- Supply management automatically monitors inventory for Universal Wash Reagent solid and liquid waste
- Automatic Integrated Prime/Purge eliminates primes during "ready state" and before sampling for faster turnaround times and cost savings
- No plumbing, water or drains

Measurement Principle:
Enhanced Chemiluminescence

MicroWell Technology:
Excellent assay sensitivity and precision, small sample volumes and minimal waste

Reagents:
No preparation; no mixing and reconstitution required for Integrated Reagent Packs, Signal Reagent and Universal Wash Reagent

On-Board Test Capacity:

- Up to 2000 assays
- Up to 20 different Integrated Reagent Packs
 - 100 assays each
 - Resident on-board simultaneously
 - Automatic, self-contained, temperature and humidity controlled Reagent Supply

Calibration:
Multiple lots may be pre-calibrated with automatic lot switching

- Up to 28 days
- Process: Random Access Calibration with Automatic Result Protection; 25 calibrations across 16 lots per assay

System Startup:
Automatic Integrated Prime/Purge

- No primes, purges, washes or tubing maintenance
- No daily calibrations or calibration checks

Throughput:
Up to 90 reportable patient results per hour

Sample Types:
Serum, Plasma, Urine, Amniotic Fluid*, Whole Blood**

Sample Volume:
10-80µL

Sample Capacity:
60 samples in Universal Sample Trays

Sample and Reagent Management:
Intellicheck® Technology

- Disposable Tip Metering verifies sample aspiration and dispense and addresses carryover and cross-contamination concerns
- Clot, bubble, low and high viscosity, thin layer fluid and short sample detection
- Save-the-Sample™ Clot/Bubble Management
- Liquid level sensing
- MicroWell Dispense Verification
- Reagent Aspiration and Dispense Verifications

Sample Containers:
Universal Sample Trays accommodate:

- 10mL, 7mL, 5mL collection tubes
- 1.5mL micro-collection containers
- VITROS Microsample cups and 0.5mL and 2.0mL cups

Sample Bar Code Identification:
Autodiscriminates by simultaneously recognizing all standard symbologies:

- Code 128
- ISBT 128
- Code 39
- Codabar
- Interleaved 2 of 5

Automatic Dilution:

- Reflex dilution
- Operator requested dilution
- Protocol and pre-treatment dilutions

Automatic Reflex Testing:

- Reflex to different assays
- Reflex to the same assay

Automatic Repeat Testing:
Repeats samples automatically after a result is not initially reported for the sample

Operator Interface:

Color-coded graphical user interface

- Ergonomic flat, low-glare, LCD, touchscreen monitor
- Keyboard platform and support arm
- Flexible, customized positioning
- On-board documentation and Help

System Dimensions:

Width: 111.8 cm / 44 inches

Depth: 73.7 cm / 29 inches

Height: 130.2 cm / 51.25 inches

Weight: 366 kg / 807 pounds

POWER

Line Voltage: Dedicated, single phase AC power line

North America: 120 V AC

Continental Europe: 200-240 V AC

Line Frequency:

North America: 50-60 Hz

Continental Europe: 50-60 Hz

ENVIRONMENT

Average Heat Output: 4,100 BTUs per hour

Operating Temperature: 15°-30°C / 59°-86° F

Ambient Relative Humidity: 15%-75% RH non-condensing

Altitude: -0.1524/2.439 km / -500/8000 feet

Plumbing: No water or drain required; Self-contained, on-board liquid waste management eliminates special requirements for off-board plumbing

COMMUNICATIONS

Bidirectional interface for ASTM and Kermit protocols, including broadcast download 4 RS 232 serial ports



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