

## VITROS® ECiQ Immunodiagnostic System Specifications

**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	ENVIRONMENT	COMMUNICATIONS
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	Average Heat Output: 4,100 BTUs per hour Operating Temperature: 15°-30°C / 59°-86° F Ambient Relative Humidity: 15%-75% RH noncondensing 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	Bidirectional interface for ASTM and Kermit protocols, including broadcast download 4 RS 232 serial ports <b>e-Connectivity® Interactive System Management</b> <ul style="list-style-type: none"> <li>• Using a dedicated analog telephone line and a modem, a VPN establishes a secure connection between an enabled ECiQ System and Ortho-Clinical Diagnostics Technical Support</li> <li>• Automatic Two-Way Data Exchange to automatically send and retrieve data. Includes automatic download of system software updates.</li> <li>• Remote Connectivity provides the ability to enable Remote Diagnostics and Remote Control operation</li> </ul>

\*Some or all types of specimens or suggested reference interval or cutoff for these analytes are not approved or cleared for market in the United States  
 \*\*For Red Cell Folate

For more information contact your Ortho-Clinical Diagnostics representative or visit our website at [www.orthoclinical.com](http://www.orthoclinical.com).