

VITROS® 3600 Immunodiagnostic System¹

Specifications Sheet

VITROS[®] System
Immunodiagnostic 3600

- **Measurement Principle:**
 - + Enhanced Chemiluminescence using MicroWell technology
- **Reagents:**
 - + No preparation, no mixing or reconstitution required for Integrated Reagent Packs, Signal Reagent and Universal Wash Reagent
 - + Onboard stability up to 84 days
 - + Shelf life stability up to 12 months from date of manufacture
 - + Onboard test capacity:
 - Up to 3,100 assays
 - 31 reagent positions
 - 100* assays per pack
- **Consumables:**
 - + VersaTips, Signal Reagent and Universal Wash Reagent can be replenished without interrupting system operation. Reagents replenished without interrupting incubation
 - + Onboard capacity and typical replenish frequency:

• VersaTips:	2000	24 hours
• Signal Reagent:	3 packs	48 hours
• Universal Wash Reagent:	5 liters	72 hours
- **Calibration:**
 - + 25 lots per assay may be calibrated with automatic lot switching
 - + Stable for up to 28 days
 - + Random-access calibration
 - + Bar-coded calibrators
- **System Startup:**
 - + 24-hour ready mode
 - + No manual primes, purges, washes or tubing maintenance
 - + No daily calibrations or calibration checks
 - + Automatic integrated prime/purge
- **Time for Single Result:**
 - + MicroWell: ~16-73 minutes
 - + Real-time results data stream to LIS available
- **Sample Types:**
 - + Serum, Plasma, Urine, Whole Blood,**
Amniotic Fluid***
- **Sample Volume:**
 - + Per assay: 10-80µL
 - + Dead volume: minimum 35µL
- **Sample Capacity:**
 - + Continuous load and unload
 - + 80 samples in Universal Sample Trays
 - + 10 samples in dedicated STAT lane
- **Sample and Reagent Management Incorporating IntelliCheck® Technology:**
 - + Single-use Tip Metering verifies sample aspiration and dispense, eliminates carryover and addresses 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
 - + Onboard IntelliReport provides complete traceability and documentation of result quality
- **Sample Containers:**
 - + Universal Sample Trays accommodate:
 - 5mL, 7mL, 10mL 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
- **Dilution Capabilities:**
 - + Auto reflex dilution
 - + Operator requested dilution
 - + Off-board dilution calculation
- **Automatic Reflex Testing (based on user-configuration):**
 - + Reflex to different assays
 - + Reflex to the same assay
- **Operator Interface:**
 - + Color-coded graphical user interface
 - + Ergonomic flat, low-glare, LCD, 17-inch touchscreen monitor
 - + Numeric keypad on monitor
 - + Detached keyboard for maximum flexibility
 - + Onboard documentation and animated Help (V-Docs)
 - + Onboard maintenance documentation
- **Data Storage:**
 - + Read/write disk drive for data input and archiving
 - + USB flash drive (memory stick) capabilities
 - + 5,000 sample programs
 - + 25,000 samples with ability to archive and retrieve through CD-ROM or memory stick
- **System Dimensions:**
 - + Width: 2.12 m/83.5 inches
 - + Depth: 0.85 m/33.5 inches
 - + Height: 1.64 m/64.5 inches
 - + Weight: 717 kg/1580 pounds
- **Power:**
 - + Line Voltage: 1 dedicated 20 amp power line, or 1 dedicated 30 amp power line with UPS, nominal 200-240V AC
 - + Line Frequency: 47-63 Hz
- **Environment:**
 - + Operating Temperature: 15°-30°C/59°-86°F
 - + Ambient Relative Humidity: 15%-75% RH non-condensing
 - + Altitude: up to 2,438 m/8,000 feet
 - + Plumbing: No water or drain required; self-contained onboard waste management eliminates special requirements for off-board plumbing
- **Communications:**
 - + Laboratory Information System (LIS):
 - Bidirectional interface for ASTM and HL7 protocols
 - Broadcast download and Host Query
 - Results can be uploaded individually or as an entire sample
 - + Laboratory Automation System (LAS):
 - AT ready at launch
 - 1 LAS interface, point-in-space
 - + Ports:
 - RS 232 serial ports (for LIS and LAS)
 - USB ports (for printers)
 - Ethernet ports (for e-Connectivity®)
- **e-Connectivity® Interactive System Management:**
 - + Using the facility's Internet connection or DSL, VPN establishes a secure connection between system and Ortho Clinical Diagnostics Technical Support to enhance troubleshooting and increase uptime
 - + Automatic two-way data exchange to automatically send and retrieve data
 - + Automatic download of system software updates
 - + Remote connectivity provides the ability to enable remote diagnostics and remote control operation
 - + Enhance uptime with predictive alerts