

VITROS® XT 7600 Integrated System¹ Specifications

Measurement Principle:

- Colorimetric/Rate
- Potentiometric (direct ISEs)
- Immuno-rate
- Turbidimetric
- Enhanced Chemiluminescence

Reagents:

- No preparation², no mixing or reconstitution required for Integrated Reagent Packs, Signal Reagent, Universal Wash Reagent, Electrolyte Reference Fluid (ERF), or Immuno-Wash Fluid (IWF)
- Onboard stability up to 84 days
- Shelf life stability up to 18 months from date of manufacture³
- Onboard test capacity:
 - Up to 11,440 tests (up to 16,780 tests with XT MicroSlides)
 - 150 reagent positions:
 - o 89 MicroSlide Cartridges (18, 50, 60, 100, or 120 tests/cartridge)
 - o 31 MicroWell Packs (50 or 100 tests/pack)
 - o 30 MicroTip Packs (50, 75, or 100 tests/pack)

User-Defined Channels:

- 20 available (MicroTip)

Consumables:

- VersaTips, MicroTips, Cuvettes, Signal Reagent and Universal Wash Reagent can be replenished without interrupting system operation. Reagents replenished without interrupting incubation. ERF and IWF can be replenished when all MicroSlides have completed
- Onboard capacity:

| | |
|---------------------------|-----------|
| - VersaTips: | 2000 |
| - MicroTips: | 384 |
| - Cuvettes: | 348 |
| - Signal Reagent: | 3 packs |
| - Universal Wash Reagent: | 5 liters |
| - ERF: | 800 tests |
| - IWF: | 300 tests |

Calibration:

- Up to 25 lots per assay with automatic lot switching
- MicroSlide and MicroTip assays stable up to lot change
- MicroWell stable for up to 28 days
- Random-access calibration
- Bar-coded calibrators for MicroSlide and MicroWell assays

System Startup:

- 24-hour ready mode
- No manual primes, purges, washes or tubing maintenance
- No daily calibrations or calibration checks
- Automatic integrated prime/purge for MicroWell assays

Time for Single Result:

- Potentiometric: ~2.5 minutes
- Colorimetric: ~6 minutes
- Immuno-rate: ~8 minutes
- MicroTip: ~8-16 minutes
- MicroWell: ~16-73 minutes
- Real-time results data stream to LIS available

Throughput*:

- Maximum theoretical throughput without XT slides: up to 945 tests per hour (TPH)
- Maximum theoretical throughput with XT slides: up to 1,320 TPH
- Actual throughput will vary by test mix and sample workflow

Sample Types:

- Serum, Plasma, Urine, CSF, Whole Blood,⁴ Amniotic Fluid⁵

Sample Volume:

- Per assay: 2-80µL
- 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

Intellitect® 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
- MicroSlide, MicroWell and Cuvette Dispense Verification
- Reagent and diluent aspiration and dispense verifications
- Onboard IntelliReport provides complete traceability and documentation of result quality
- Detection of Hemolysis, Icterus, and Turbidity

*Theoretical maximum. Individual results may vary.



VITROS® XT 7600 Integrated System¹ Specifications

Sample Containers:

- Universal Sample Trays accommodate:
 - 5mL, 7mL, 10mL collection tubes
 - 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 SSD 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 USB flash drive

System Dimensions:

- Width: 2.79 m/110 inches
- Depth: 0.89 m/34.9 inches
- Height: 1.73 m/68 inches
- Weight: 1070.5 kg/2360 pounds

Power:

- Line Voltage: two dedicated 20 amp power lines or one 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
- Altitude: up to 2,439 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, as a group, or as an entire sample
- Laboratory Automation System (LAS):
 - AT ready at launch
 - 2 LAS interfaces, point-in-space
- Ports:
 - RS 232 serial ports (for LIS and LAS)
 - USB ports (for printers)
 - Ethernet ports (for e-Connectivity®, LIS)

e-Connectivity® Interactive System Management:

- Using the facility's Internet connection or DSL, SSL technology 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

Acoustic Noise

- Idle: 57.7dB
- Operating: 60.4dB

VITROS® System
Integrated XT 7600

1. Availability is subject to local regulatory requirements

2. Except Caffeine

3. Gentamicin: 24 months; Caffeine: 36 months

4. For %Hemoglobin A1c and Red Cell Folate

5. Not commercially available in the United States

Not all products are registered or for sale in all markets

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