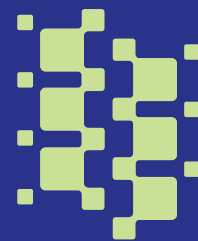


Vitros® XT 7600 integrated system¹ specifications



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:
 - 89 MicroSlide cartridges (18, 50, 60, 100, or 120 tests cartridge)
 - 31 MicroWell packs (50 or 100 tests/pack)
 - 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 drops
– IWF:	300 drops

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 and amniotic fluid

Sample volume:

- **Per assay:** 2–80 µL
- **Dead volume:** minimum 35 µL

Sample capacity:

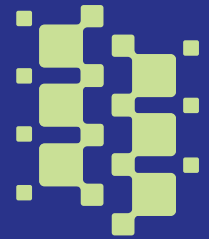
- Continuous load and unload
- 80 samples in universal sample trays
- 10 samples in dedicated STAT lane

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
- 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:**
 - 5 mL, 7 mL, 10 mL collection tubes
 - Micro-collection containers
 - Vitros microsample cups and 0.5 mL and 2.0 mL 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
- Onboard 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:** 1062 kg/2360 lb

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® Technology, LIS)

E-Connectivity interactive system management:

- Using the facility's DSL or other internet connection, SSL technology establishes a secure connection between system and QuidelOrtho 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:** 60 dBA
- **Operating:** 65 dBA

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