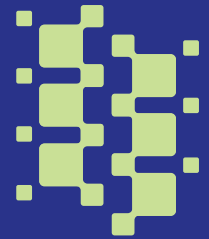


Vitros® XT 3400 chemistry system¹ specifications



Measurement principle:

- Colorimetric/rate
- Potentiometric (direct ISEs)
- Immuno-rate
- Digital imaging measuring technology

Reagents:

- No preparation, no mixing or reconstitution required for Cartridges, Electrolyte Reference Fluid (ERF), or Immuno-Wash Fluid (IWF)
- Onboard stability up to 35 days
- Shelf life stability up to 18 months from date of manufacture
- **Onboard test capacity:**
 - Up to 5,340 tests (up to 10,680 with XT MicroSlides)
 - 97 reagent/diluent positions:
 - 89 MicroSlide cartridges (18, 50, 60, 100, or 120 tests/cartridge)
 - 8 Diluent bottle/cup positions

Consumables:

- VersaTips and mixing cup arrays can be replenished without interrupting system operation. Reagents replenished without interrupting incubation
- **Onboard capacity:**

– VersaTips:	315
– Mixing Cups:	50
– ERF:	800 drops
– IWF:	300 drops

Calibration:

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

System startup:

- 24-hour ready mode
- No manual primes, purges, washes or tubing maintenance
- No daily calibrations or calibration checks

Time for single result:

- **Potentiometric:** ~2.5 minutes
- **Colorimetric:** ~6 minutes
- **Immuno-rate:** ~9 minutes
- Real-time results data stream to LIS available

Throughput*:

- **Maximum theoretical throughput without XT slides:** up to 755 tests per hour (TPH)
- **Maximum theoretical throughput with XT slides:** up to 1,130 TPH
- Actual throughput will vary by test mix and sample workflow

Sample types:

- Serum, plasma, urine, CSF

Sample volume:

- **Per assay:** 2.5–11uL
- **Dead Volume:** minimum 30 uL

Sample capacity:

- Continuous load and unload
- 80 samples in universal sample trays
- Priority STAT tray processing capability

Sample indices using MicroSensor technology

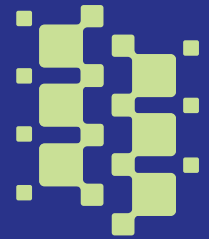
- Detection and flagging of results affected by common interferences (hemolysis, icterus, turbidity)
- No reagents or additional sample volume requirements.
- No additional consumables.
- No impact on system workflow

Sample and reagent management incorporating Intellicheck® Technology:

- Single-use tip metering verifies sample aspiration and dispenses, 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 and mixing cup array dispense verification
- Diluent aspiration and dispense verifications
- Onboard IntelliReport provides complete traceability and documentation of result quality

*Theoretical maximum. Individual results may vary.

Vitros[®] XT 3400 chemistry system¹ specifications



Sample containers:

• Universal sample trays accommodate:

- 5mL, 7mL, 10mL 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
- 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
- 10,000 sample programs
- 25,000 samples with ability to archive and retrieve through CD-ROM or USB flash drive

System dimensions:

- **Width:** 1.47 m/58.0 inches
- **Depth:** 0.87 m/34.2 inches
- **Height:** 1.33 m/52.6 inches
- **Weight:** 440 kg/970 lb

Power:

- **Line voltage:** one dedicated 15 amp power line, nominal 100-240V 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
- 1 LAS interface, 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 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:** 57.4 dBA
- **Operating:** 58.6 dBA

1. Availability is subject to local regulatory requirements. Not all products are registered or for sale in all markets.



We are transforming the power of diagnostics into a healthier future for all.

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