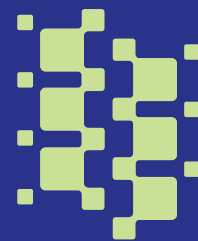


Vitros® 5600 integrated system¹ specifications sheet



Measurement principle:

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

Reagents:

- No preparation*, 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 manufacture†
- **Onboard test capacity:**
 - Up to 11,440 assays
 - 150 reagent positions:
 - 89 MicroSlide cartridges (18, 50, or 60 tests/cart)
 - 31 MicroWell packs (50 or 100 tests/pack)
 - 30 MicroTip packs (50 or 100 tests/pack)

User-defined channels:

- 10 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 calibration frequency:** 28 days for most reagents, some between 40-90 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 is up to 945 tests per hour (TPH)
- Actual throughput will vary by test mix and sample workflow

Sample types:

- Serum, plasma, urine, CSF, whole blood, † amniotic fluid

Sample volume:

- **Per assay:** 2-80 uL
- **Dead volume:** minimum 35 uL

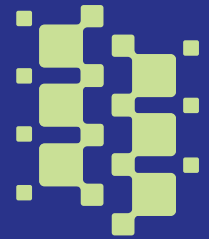
Sample capacity:

- 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 aspiration and dispense verifications
- Onboard IntelliReport provides complete traceability and documentation of result quality

Vitros[®] 5600 integrated system¹ specifications sheet



Sample containers:

- **Universal sample trays accommodate:**
 - 5 mL, 7 mL, 10 mL collection tubes
 - 1.5mL 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 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 USB flash drive

System dimensions:

- **Width:** 2.79 m/110 inches
- **Depth:** 0.91 m/34.9 inches
- **Height:** 1.73 m/68 inches
- **Weight:** 1062 kg/2341 pounds

Power:

- **Line voltage:** 2 dedicated 20 amp power lines 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
- **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 internet connection, VPN 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

¹ Availability is subject to local regulatory requirements.

* Except caffeine.

* Theoretical maximum. Individual results may vary.

† Gentamicin: 24 months; caffeine: 36 months.

‡ For %Hemoglobin A1c and red cell folate.