



QuidelOrtho Vitros

High-volume, integrated in vitro diagnostic systems for clinical chemistry and immunoassay testing, featuring waterless technology and built-in intelligence.

<https://www.quidelortho.com/>

Overview

The VITROS Systems are a family of high-performance, integrated in vitro diagnostic (IVD) analyzers from QuidelOrtho. They are designed for high-volume clinical laboratories, offering a comprehensive menu of over 160 assays for clinical chemistry and immunoassay testing on a single, consolidated platform. The systems are built on proprietary waterless technology (MicroSlide, MicroTip, MicroWell), which eliminates the need for plumbing, drains, and water maintenance, simplifying lab layout and reducing operational complexity and cost.

Key Software and Intelligence Capabilities:

VITROS™ Intellicheck Technology with Smart Metering: Uses advanced algorithms for real-time monitoring, automatically checking for clots and bubbles, and fully documenting sample traceability to protect result integrity and minimize manual intervention.

LabLink xL™ Quality Assurance Software: Integrates with the analyzers via E-CONNECTIVITY™ Technology to automate QC data transmission, provide interactive Levey-Jennings charts, electronic signature verification, and use Westgard rules to flag results requiring attention.

Automation and Connectivity: The systems support total lab automation with an open architecture platform that allows connection to pre- and post-analytical modules and analytical systems from multiple disciplines.

Performance and Reliability:

The VITROS systems are known for their reliability, boasting industry-leading uptime (e.g., 98% for the VITROS 5600) and a high first-pass yield (96.5% of tests complete the analytical process the first time without intervention). The target users are lab professionals in medium to enterprise-sized hospital networks and reference laboratories who require fast, accurate, and reliable results for critical diagnostic testing.

Key Features

- Waterless Technology (no plumbing/drains)
- VITROS Intellicheck Technology (real-time clot/bubble detection)
- MicroSlide/MicroTip/MicroWell Technology
- High Throughput (e.g., 900+ tests/hour)
- LabLink xL QC Software (automated QC, Westgard rules)
- High First-Pass Yield (96.5%)
- Open Architecture Automation Platform
- Comprehensive Test Menu (160+ assays)

Pricing

Model: enterprise

The VITROS Systems are high-cost capital equipment (e.g., VITROS 350 at ~\$222,000 USD, VITROS 5600 at ~\$644,000 USD) and require ongoing purchase of proprietary reagents/consumables and service contracts. Pricing is negotiated directly with the vendor.

Starting at: USD \$222245.3

Target Company Size: medium, enterprise

Integrations

LIS (Laboratory Information System), Middleware (e.g., Thermo Scientific MAS Quality Controls)

Compliance & Certifications

FDA 510(k) Clearance, FDA 21 CFR Part 11

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