



Outstanding user-interface

Only three reagents needed

100-sample Autoloader option

## Quintus 5-part hematology analyzer

In-depth, quality-controlled 26-parameter results

Quintus

# Premium system solution boosted by total quality control

## Complete trust in Quintus

In delivering 26 parameter results, including 5-part differential using laser-based optical method, Quintus hematology system provide a combination of innovative solutions and cost-efficient analysis. It's a complete hematology system comprising a high-quality instrument with a built-in workstation, specially-designed barcode-entry reagents and QC materials. And it's all backed up with a Total Quality Concept.

## The system that stands out

Quintus features a whole host of practical functions that are hard to find elsewhere. Its large 10.4-inch landscape view touch-screen with zoom control, for example, makes working with Quintus and viewing its results exceptionally straightforward. An integrated workstation with network and LIS connections further smoothes analysis and reporting, and avoids the need for extra hardware. Standardized HL7 protocol and storage capacity extends up to 100,000 easily-accessible sample files.

Quintus operates with just three specially-designed reagents, which again simplifies handling and logistics. What's more, shelf-life is up to 24 months.

The optional Autoloader adds yet another dimension to Quintus. Compact and simple to install, Autoloader can be pre-loaded with up to 100 samples. Its on-board mixing, internal barcode reader and cap recognition then take over the rest of the process.

## Quintus lacks nothing

Quintus brings together a high-quality instrument with integrated workstation, easy-to handle reagents and a large-format, user-friendly interface. It's a complete 5-part hematology system delivering accurate and reliable CBC results with the choice of work-saving walk-away automation.



Large, zoomable touch-screen  
for smooth, intuitive operation.



Quintus samples from a single-tube inlet for open or closed tubes, that also can handle micro tubes.

### Best measuring technologies plus flexible sampling

Quintus employs the most accurate and dependable measuring technologies available today; laser-based optical method for the 5-part WBC differential, impedance for RBC, PLT and total WBC, spectrophotometry for HGB. Sampling is via a single-tube inlet from open or closed tubes. You decide which. The single-tube inlet can also handle micro tubes and pre-diluted mode for small volume samples.

### Precise sample collection

Every Quintus analyzer comes equipped with a high-quality shear-valve. No other sampling technique collects blood as precisely as a shear-valve. It's a critical part of the measurement that you'll see reflected in the accuracy of every result you report.

### Autoloader option gives 100-sample capacity

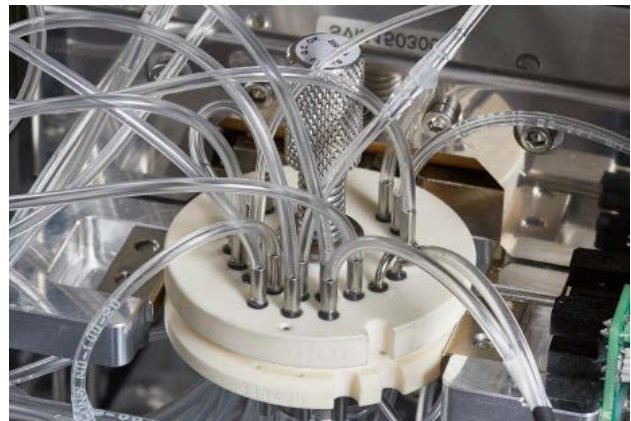
The Quintus Autoloader is a compact, easy-to-use option for users who value letting their instrument get on with the analyses. It makes Quintus the perfect walk-away system for laboratories with high workload. Just pre-load up to 10 x 10 samples and let it do the work. The Autoloader tilts and rotates every tube, to get a proper mixing, and reads its barcode. Most standard closed EDTA tubes fit and the cap will be detected by a cap recognition sensor. Note that emergency samples can easily be analyzed in the middle of an automated run.



The Quintus Autoloader has room for 100 samples and comes with an integrated barcode reader.

### Large attractive-to-use touch-screen

Another Quintus plus that's hard to find on other analyzers is its big landscape-view touch-screen. This interface, combined with Window-based software specially-developed for easy navigation, makes sample processing and result viewing as user-friendly as possible. Quick-links give access to all main functions and the 10.4-inch display allows clear presentation of results, histograms and scattergrams. For closer inspection, just touch the screen to zoom in. What's more, the result bars shows at a glance whether result are within range or not.



High-quality shear-valve ensures accurate blood volume collection for highest precision on results.







Plenty of room to display all 26-parameter results plus scattergrams and histograms, warnings, messages and flaggings.

### Compact foot-print

With its compact design the Quintus Analyzer will be a great solution for laboratories with limited space. Together with Quintus Autoloader you get a high capacity walk-away system that only requires minimal bench space.

### Barcode-entry reagents simplify handling

Only three reagents are needed to operate Quintus (Diluent, Lyse\* and Stopper), with up to 24-month shelf-life. This greatly simplifies handling and logistics and helps reduce running costs.

The three reagents comprise a locked system with barcode entry. Simply scan the barcode on the reagent container and Quintus stores key information such as lot number, open date and expiry. This secures quality of results by preventing the use of non-Quintus solutions. To further simplify operation, each reagent is color-coded and its current status is always viewable by touching the lower section of the display.

\*For safety and environmental reasons, the lysing reagent is cyanide-free.



Simple reagent logistics, smooth operation and reduced running costs.



Barcode scanning of QC material assay sheets is easy to use and 100% secure.

### Complete quality control system

Every aspect of Quintus hematology analyzer – instrument and reagents plus related items – is part of a Total Quality Concept designed to increase the value of your reported hematology results. Controls and calibrators are a key element of this initiative.

Quintus QC materials ensure that the system performs accurately and delivers quality-controlled hematology results.

Like the reagents, both use barcode scanning for secure handling and assay sheet registration, which minimizes the risk of error when manually entering control reference values. Advanced quality control functions built into Quintus software include Levey-Jennings charts, XB-function and QC reports. Low need for daily maintenance makes the daily operation easy. Service and support is available from certified providers.



Advanced quality control functions include Levey-Jennings charts.

# Five good reasons for choosing Quintus!



1.

Outstanding user-interface

Large touch-screen displays all 26 parameters plus histograms and scattergrams.

2.

Compact foot-print

With compact design the analyzer requires minimal bench-space.

3.

100-sample Autoloader option

The optional Autoloader makes Quintus a perfect walk-away system.

4.

Long-life, high-quality reagents

Long-life, bar-coded reagents with up to 24-month shelf life.

5.

QC material with long stability

QC material with long in-use time. Easy-to-enter, easy-to-use.

# Technical Characteristics



## Parameters

26 parameters including 5-part WBC differential:  
WBC, LYM, MONO, NEU, EOS, BASO, LYM%, MONO%, NEU%  
EOS%, BASO%, RBC, HCT, MCV, RDWsd, RDWcv, HGB, MCH,  
MCHC, PLT, PCT, MPV, PDWsd, PDWcv, LPCR% and LPCRa

## Measuring principle

Laser-based optical method for 5-part WBC differential  
Impedance method for RBC, PLT and total WBC  
Spectrophotometric method for HGB

## Sample time

<60 seconds (60 samples/hour)

## Sample inlet

Open tube, Closed tube, Autoloader as an option

## Sample volume

~ 100 µl

## Sampling method

Shear valve

## Calibration

Manual and automatic mode

## User interface

10.4 inch color graphics LCD, touch screen

## Storage capacity

100,000 samples

## Peripheral ports

4 USB, Ethernet, PS/2 and RS232

## Reagents

3 environmental friendly Quintus reagents

## Size (WxHxD)

41 x 52 x 47 cm

## Weight

35 kg, with Autoloader 47 kg

## Quintus Reagents

501-292 Quintus 5-part Diluent, 20L

501-291 Quintus 5-part Lyse, 5L

501-293 Quintus 5-part Stopper, 1L

## Cleaner

501-036 Boule CBC Diff System  
Cleaning Kit 3x 500mL



## Control and calibrators

502-116 Quintus Hematology Calibrator 1x3.0mL

502-115 Quintus Hematology Controls 6x3.0mL

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# Quintus