Analyzers & Solutions for Laboratories

Explore the future

Hematology
Hemostasis
Clinical Chemistry

Automotive | Process & Environmental | Medical | Semiconductor | Scientific
The HORIBA Medical Segment designs, develops and distributes worldwide, in vitro diagnostic systems mainly destined for biological analysis in medical laboratories. HORIBA expertise in vitro diagnostics is one of the most respected in hematology worldwide and contribute today to the health of tomorrow.

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Giving dimension to your projects!

HELO*: Complete solution for hematology diagnostics.

* HORIBA Evolutive Laboratory Organisation
Mastering the analysis process to deliver reliable results

The new generation of HORIBA Medical automated hematology analyzer answers customers' expectations of solid and reliable diagnostic technology as well as rapid and consistent results.

- A real throughput of 120 samples per hour for CBC-DIFF, NRBC
- 110μL sampling only
- 5 (H1500) or 6 (H2500) reagents.
- Up to 56 parameters.
- PLT-Ox (optical extinction technology) and Reticulocyte parameters dedicated to H2500.
- White and red blood cell immature channels
- Low value cycle (LVC)
- Adaptable configurations: Benchtop, floor-standing or tracked to the Yumizen T6000 (HELO* solution).

* HORIBA Evolutive Laboratory Organisation
Hematology Everywhere and Beyond

Full Walk Away Hematology Solution
For Small Mid-Size Laboratories.

• Cost Effective Hematology Solution
• Compact 6-Diff Hematology Analyzer
• Open Tube & Closed Tube Versions
• Only 3 Reagents for Diff Analysis
• 27 parameters, CBC/DIFF Analysis

The new HORIBA Medical Hematology Middleware

to improve your laboratory workflow and to automate the results validation

Flexibility, Easily integrated, ergonomic software.

• Expert hematology validation station
• Multi site & Multi instruments. Centralize patient and quality control results
• TAT monitoring, remote access.
• Optimize the workflow (Perun, Reflex and automatic validation)
• Efficient and customizable rules engine. GFHC rules embedded

The Yumizen SPS offers an optimal blood smear quality in a completely secure enclosure

The reference in fully automated smearing and staining ensures.

• Slides compatible with digitalizers
• Standardized Quality blood smears
• Customizable staining protocols
• A real throughput of 120 slides/h

Option on Yumizen H2500 and H1500

Hematology Everywhere, for Everyone

Cost Effective Hematology Solution
For Small Mid-Size Laboratories.

• Compact 6-Diff Hematology Analyzer
• Open Tube & Closed Tube Versions
• Only 3 Reagents for Diff Analysis
• 27 parameters, CBC/DIFF Analysis

Pre and Post analytical compact sorter
Gain productivity and efficiency by improving tube workflow.

• Compliant with many barcodes, tubes and racks.
• Optimized sorting. Unlimited sorting destinations.
• Integrated automatic tube orientation. Throughput: 600 tubes/hour.
• Easy to use software.

The Yumizen P6000

The reference in fully automated smearing and staining ensures.

• Slides compatible with digitalizers
• Standardized Quality blood smears
• Customizable staining protocols
• A real throughput of 120 slides/h
Compact and reliable hematology platform including reticulocytes by fluorescence

Integrated Validation Station.
- 36 parameters: CBC (13), DIFF (14), RET (9)
- Approximately 80 tests/hour
- Large capacity auto-loader (100 tubes)
- Micro-sampling on whole blood (CBC, RET: 35 μL, CBC+DIFF: 53 μL)
- Customized Dilution Ratio (CDR)

Infection screening system
Exclusive full differential hematology count + CRP measurement on compact analyzer with dedicated workstation.
- DIFF + CRP results in 3 minutes (20 tests/hour)
- 27 parameters: CBC (12), DIFF (14), CRP (1)
- Micro-sampling on whole blood (DIFF: 26 μL, DIFF+CRP: 35 μL)
- Open tube sampling

Pentra XLR
ABX Pentra XL 80

Pentra MS
CRP

Pentra Range
Micros Range
Digitalisation Range

Exceeding laboratory’s expectations
More than 30,000 Users Worldwide


- Compact & robust analyzer
- 60 tests/hour, 19 parameters (CBC+LMG)
- Whole blood micro sampling of 10 μL
- Proven quality results
- Pack or bottle reagents
- Open tubes and closed tubes versions
- Also available for veterinary application

To go further in your diagnosis

Dedicated Workstation.

- 60 tests/hour
- 26 parameters: CBC (12), DIFF (14)
- Micro-sampling on whole blood (CBC: 30 μL, CBC+DIFF: 53 μL)
- Closed tube (for ABX Pentra 60C+) or open tube (for Pentra ES60)

CRP World exclusive concept
Simultaneous blood analysis + CRP measurement, along with data management.

- CBC+CRP results in 4 minutes (15 tests/hour)
- CBC results in 1 minute (55 tests/hour)
- 19 parameters
- Open Tube

ABX Pentra 60 C+

Pentra ES 60

Improve efficiency, optimize quality, strengthen connectivity, develop skills

Digitizers and digitized cell analyzers for hematology laboratories

- Reduced examination time through digital capture, automatic pre-classification of white blood cell count and characterization of erythrocyte morphology
- Standardized analysis process, full traceability
- Remote validation/control, creation of networks of several instruments for sharing the same image database
- Collaborative work environment for real-time communication between readers, supervisors and cytology experts
- Optional expertise modules

CellaVision® DM1200, CellaVision® DM9600 and CellaVision® DC-1 are registered trademarks of CellaVision AB.
HORIBA Medical offers 6 new analyzers and a comprehensive reagents menu from routine to specialized tests

The Yumizen G1550/G1500 automatic analyzer meets your daily expectations.

- System auto-verification
- Run Calibration / QC
- Load Samples
- Request tests
- Run and Validation
- Automatic maintenance
- 80% of the routine reagents liquid and ready-to-use
- Most of the tests pre-calibrated

*Optional cap-piercing

Exceeding laboratory’s expectations
Compact, 2-channel, semi-auto system for small laboratories to perform hemostasis screening and D-dimer testing

- 2 independent measuring channels, 4 incubation positions
- QC management
- LIS connection
- External data storage (USB device)
- Automated maintenance
- 80% of routine reagents liquid and ready-to-use
- Most of the tests pre-calibrated

Compact 4-channel semi-auto system designed for small laboratories to perform hemostasis screening and D-dimer testing

- 4 independent measuring channels, 20 incubation positions
- QC management
- LIS connection
- External data storage (USB device)
- Automatic maintenance
- 80% of the routine reagents liquid and ready-to-use
- Most of the tests pre-calibrated

The smallest analyzer for Emergencies rooms and satellite laboratories monitoring oral anticoagulant

- Whole Blood Point of Care System
- Smart Way to Test
- Reduce Cost of Care
- Increase Efficiency
- User Friendly Features
- Automatic maintenance
- 80% of the routine reagents liquid and ready-to-use
- Most of the tests pre-calibrated

Fully Automated Hemostasis System

- Smart way to test
- Comprehensive Security
- Increased efficiency
- User friendly features
- Automatic maintenance
- 80% of the routine reagents liquid and ready-to-use
- Most of the tests pre-calibrated
Big lab automation in a small footprint

- High efficiency & optimal workflow for medium to large sized laboratories
- 800 to 1200 tests/hour plus a dedicated STAT loader to guarantee the flexibility request in everyday use
- Large menu of assays to fulfill current laboratories needs and coming health requirements
- High speed and micro-volume technology for improved performance & cost efficiency
- Autoloader as an accessory: Yumizen C1200 AL
Clinical Chemistry

Choose Serenity and Experience for your Clinical chemistry

Pentra 400

Now, pass your Analysis with flying colours
From routine to specific tests, a single system for all your analyses.
• Up to 420 tests per hour with the ISE module
• 55 on-board parameters with backup possibility
• Innovative cassette format
• Integrated Validation Station

Pentra 200

The clinical chemistry system that offers more so you do less
The fully automated compact system.
• 90 tests/hour (Single or dual reagent)
• Up to 360 test/hour with ISE module
• 15 parameters on board + ISE
• Automatic cuvette loader
• Internal barcode reader
• Ergonomic and intuitive software
• Innovative cassette format
QUALITY CONTROL PROGRAM
Online Interlaboratory Comparison Program.
• 8 Reports generated in real time online
• 3 types of peer groups: World, Country and Specific
• 24 months online availability of reports and submitted data
• Online registration via QCP website
• Unlimited numbers of additional users with restricted access under the main user

QUALITY ACCREDITATION PROGRAM
A complete program (pre-installation, qualification, follow-up), document file support for accreditation in hematology.
• Documentation strategy with quality management file.
• Single document to provide relevant information required for the accreditation process.
• Knowledge enhancement and privileged support

QUALITY SLIDE PROGRAM
An Affordable Digital tool for “Skill Evaluation & Training” in Cytology.
• Cyto-morphological quality control.
• Personnel qualification tool.
Every month, 6 different cases (pathological or normal), reviewed by a college of experts, are downloadable in virtual slide format.

Quality Programs
Exceeding laboratory’s expectations