HORIBA
Medical

Hematology

Hemostasis

Clinical Chemistry

Analyzers & Solutions
for Laboratories

The HORIBA Medical Segment designs, develops and distributes worldwide, in vitro diagnostic systems mainly destined for biological analysis in medical laboratories.

HORIBA
Medical

These automated analyzers meet the needs of various users including patients, doctors, private laboratories, clinics and university hospitals.
HORIBA expertise in in vitro diagnostics is one of the most respected in hematology worldwide and contributes today to the health of tomorrow.
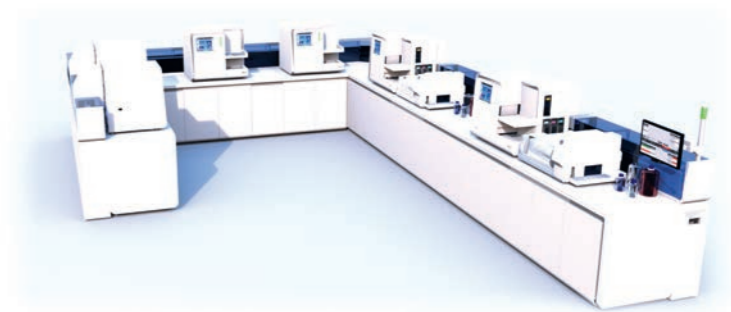
The angular configuration

The workcell configuration

The island configuration
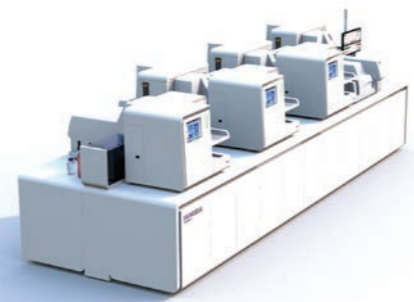
The linear configuration

HELO 2.0
HORIBA Evolutive Laboratory Organisation

Giving dimension to your projects...
with new generation solutions.

HELO* : Complete solution for hematology diagnostics.

* HORIBA Evolutive Laboratory Organisation

Yumizen
H2500

Yumizen
H1500

HELO
HORIBA Evolutive Laboratory Organisation
2.0

Faster diagnostic for an improved patient care

High end laboratory analyzers

Improve your medical laboratory operations

- Multiple continuous loading inputs with track
- Integrated 360° sample mixing
- CBC/DIFF/NRBC: 120 samples/hour
- Total immaturity measurement for leukocytes count in 1st intention
- Body fluids application
- Low Value cycles

Yumizen H2500:

- \+ a sixth reagent (ABX Fluocyte)
- \+ Orange thiazole for Reticulocytes counting
- \+ Fluorescent free measurement (PLT-Ox, LPF) for PLT

* HORIBA Evolutive Laboratory Organisation

Yumizen
H range

Exceeding laboratory's expectations

Yumizen T6000

The innovative HORIBA Medical Laboratory Automated Solution (LAS) specifically developed for our HELO* solution

Gain productivity and efficiency by improving tube workflow.
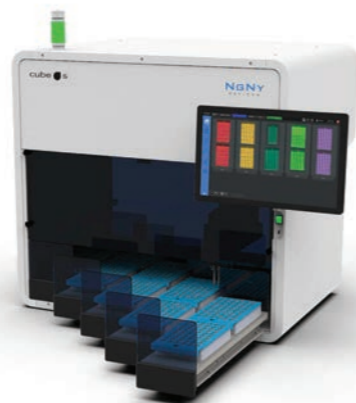
- Compact & suitable configurations
- Fully evolutive configuration
- Continuously optimized Turn Around Time (TAT)
- Immediate testing, efficient activity peak absorption
- Priority rack: direct loading on the track

cube s

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.

Yumizen SPS

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
- Natural drying process
- Customizable staining protocols
- A real throughput of 120 slides/h

Yumizen P8000

The new HORIBA Medical Hematology Middleware to improve your laboratory workflow and to automatize the results validation

Flexibility, Easily integrated, ergonomic software.

- Expert hematology validation station
- Gathers Yumizen H500/550 and H1500/2500 results in 1 screen
- Multi site & Multi instruments. Centralize patient and quality control results
- Optimize the workflow (Rerun, Reflex and automatic validation)
- Efficient and customizable rules engine. GFHC rules embedded

*Option on Yumizen H2500 and H1500

Yumizen H500 — Closed Tube

Yumizen H500 — Open Tube

Yumizen H550 — Auto Loader

Yumic@re

Delivering Safe Hematology Care
Affordable Hematology Solutions for Small-Mid Laboratories

Compact Hematology Solution

- Open Tube & Closed Tube versions
- CBC/DIFF Analysis
- 2 reagents use
- 37 parameters menu
- Optional Malaria and Dengue flagging

Full Walk Away Solution

- Auto loader version
- Integrated auto sampler
- Positive identification
- 40 tubes in continuous loading
- Urgent mode

Yumicare provides optimised remote support for our Yumizen H500 and Yumizen H550 users

- Increasing your analyzer uptime
- Easing your quality control
- Monitoring your hematology activity

Pentra **XLR**

ABX **Pentra XL** 80

Compact and reliable hematology platform including reticulocytes by fluorescence

Integrated Validation Station.

- 36 parameters: CBC (13), DIFF (14), RET (9)
- Approximatively 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)

Pentra Range
Micros Range
Digitalisation Range

Exceeding laboratory's
expectations

ABX **Pentra 60** C⁺

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

Pentra ES 60

Serving the Patient with Proven Technologies

Get Reliable Technology with Powerful Data Management
- 60 tests/hour
- 26 parameters: CBC (12), DIFF (14)
- Data Management Capability
- 3 histograms for RBC, BAS/WBC and PLT
- Open tube

ABX **Micros ES** 60

More than 30.000 Users Worldwide

The Gold Standard of 3 Diff Testing
- 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

Microsemi CRP
LC-767G

CRP World exclusive concept

Simultaneous blood analysis + CRPmeasurement, 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

RAL SmearBox®

Empowers your laboratory to make high-quality peripheral blood smears with consistency and control.

- Automated instrument
- Closed-vial smearing methodology
- Promotes efficiency, consistency, and safety
- Produces CellaVision compatible smearing
- Suitable for low-volume labs

RAL StainBox®

Ensures that all your smears are stained consistently and in accordance to your laboratory guidelines.

- Semi-automated instrument
- Utilizes the bath method
- Paired with methanolfree staining kits
- Promotes consistency and safety
- Produces CellaVision compatible staining
- Suitable for low-volume labs

RAL Stainer®

RAL Stainer is an automated bath staining unit, compact and efficient.

- Intelligent Pre-programmed, customisable protocols
- Efficient Low reagent consumption
- Safe Sealed staining vessels
- Simple Ready-to-use reagents

RAL SmearBox®, RAL StainBox® and RAL Stainer® are registered trademarks of CellaVision AB

CellaVision® DM1200   CellaVision® DM9600   CellaVision® DC-1

Improve efficiency, optimize quality, strengthen connectivity, develop skills

Digitalizers 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
- Collaborative work environment for real-time communication between readers, supervisors and cytology experts
- Optional expertise modules

CellaVision® DM9600, CellaVision® DM1200 and CellaVision® DC-1 are registered trademarks of CellaVision AB
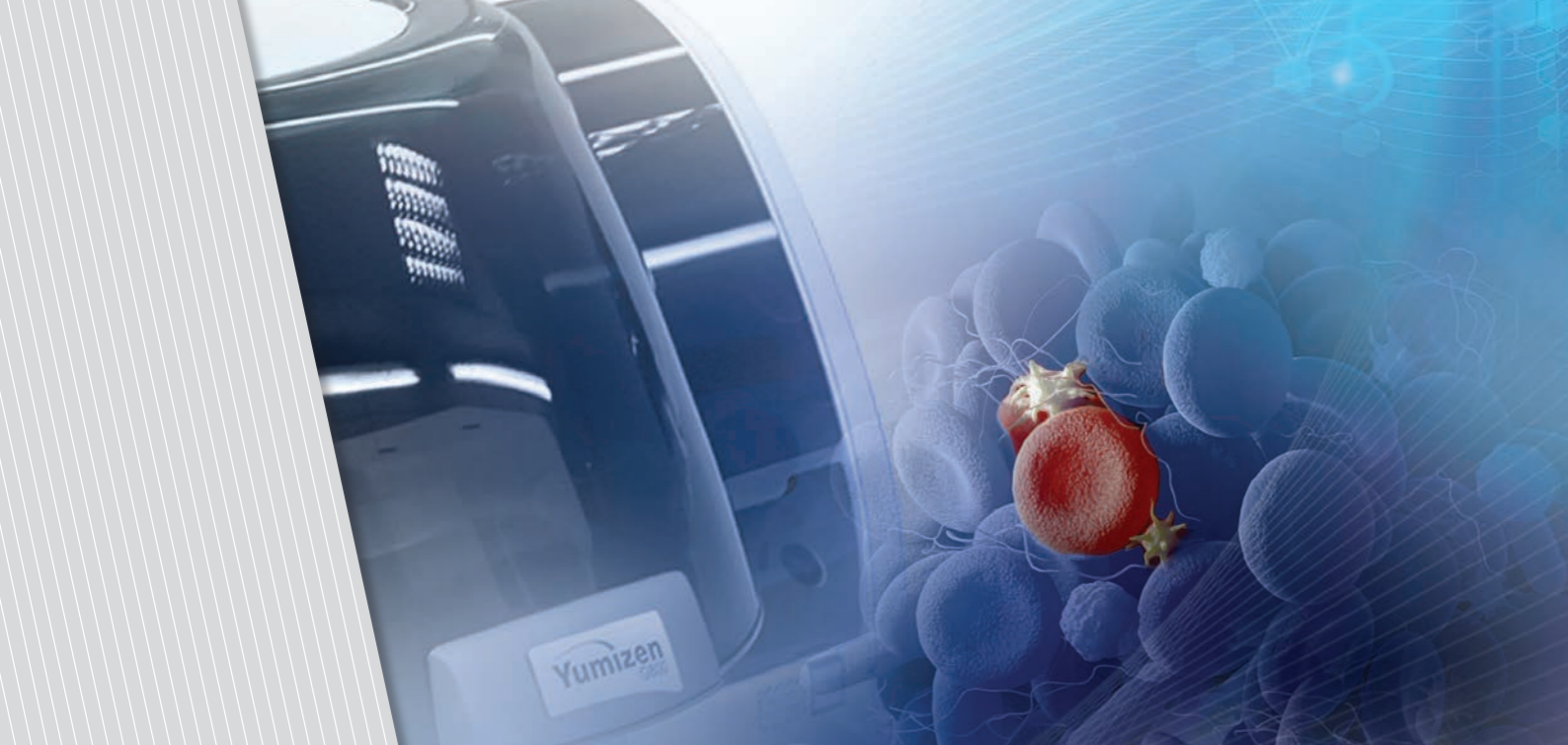
Yumizen G *h line*

Maximum ergonomics
Easy to use & easy to train
Automated maintenance
Less than five minutes a day
Cap piercing without maintenance
Time saving
Anteriority of 1 million analysis in memory
Extended traceability & Improved clinical validation
A-PSI : Auto-check HIL & of tubes overfilled and underfilled
Accurate results - Efficient workflow

Yumizen
G range

Exceeding laboratory's
expectations

Yumizen G1550h

Yumizen G1500h

Yumizen G850h

Yumizen G800h

Fully automated, high-capacity hemostasis analyzer including Advanced Pre-Analytical Sample Integrity (A-PSI) for clinical laboratories with mid to high workload

- Clotting, immunologic and chromogenic assays
- 8 independent measuring channels with combined nephelometric and turbidimetric
- Continuous access loading for sample racks, reagents, cuvettes
- Only one cuvette per test
- Real-time remote access
- Touch screen
- Complete traceability : 1 million results,reagents lot, calibration, QC, rerun, users login

Fully automated, benchtop hemostasis analyzer including Advanced Pre-Analytical Sample Integrity (A-PSI) for laboratories with mid-size workloads

- Clotting, immunologic and chromogenic assays
- 4 independent measuring channels with combined nephelometric and turbidimetric
- Continuous access oading for sample racks, reagents, cuvettes
- Only one cuvette per test
- Real-time remote access
- Touch screen
- Complete traceability : 1 million results,reagents lot, calibration, QC, rerun, users login

Yumizen G1550   Yumizen G1500

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

Yumizen G800

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

Yumizen G405

4-channel coagulometer designed to perform routine and specialized coagulation tests. Clotting, chromogenic, and immunoturbidimetric method.

- Large touchscreen, easy-to-use, innovative interface
- QC management with Levy-Jennings Chart and Westgard rules
- 75 possible open channels
- Maintenance-free
- Internal storage capacity of 10 000 results
- Clot waveform analysis (CWA)
- Barcode reading for sample, reagent and control
- Remote access / Predictive and curative interventions / Downloading eQC target values

Yumizen G200

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 connexion
- External data storage (USB device)
- Automated maintenance
- 80% of routine reagents ready to use in liquid formulation
- Most tests are pre-calibrated

Yumizen
C range

Exceeding laboratory's expectations

Yumizen
C1200

For US market only

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

Instrument and Reagent Synergy : The Workhorse!

- 400 t/h colorimetric Mono or Bi / 560 t/h with ISE
- 90 Samples /   80 Reagents on board
- Permanent Borosilicate (Quartz) Glass cuvettes
- Pre-installed/validated Methods with Barcoded reagents in pre-filled bottles

Instrument & Reagent Synergy: Compact and Cost Efficient!

- High number of Reagent (40) and Sample (40) positions
- Pre-installed/validated Methods with Barcoded reagents in pre-filled bottles
- Sample/Reagent probes equipped with collision protection & auto-recovery function
- Cuvette washing: Washing station with pre-warmed detergent and water

Instrument & Reagent Synergy: A perfect match!

- High number of Reagent (40) and Sample (40) positions
- Pre-installed/validated Methods with Barcoded reagents in pre-filled bottles
- Sample/Reagent probes equipped with collision protection & auto-recovery function
- Disposable cuvettes

CLINICAL CHEMISTRY

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 Programs

Exceeding laboratory's expectations

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 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 ASSURANCE 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

HORIBA
M e d i c a l

CE IVD

Certified
ISO 9001 :2015
ISO 14001 :2015
ISO 13485 :2016
MDSAP – Medical Device Single Audit Program

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