



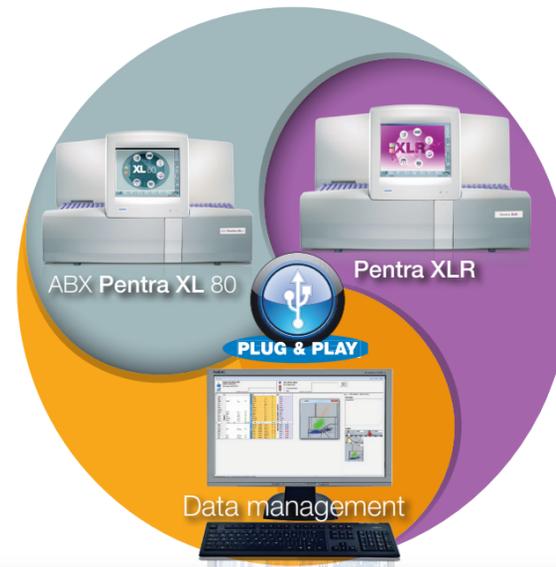
HORIBA
Medical

Yu & Mi
Solution

Yu & Mi Solution

Save time...

For your whole Hematology workload



... and increase efficiency

- Flexible ready to use solution : Plug and Play
- Safe solution avoiding routine interruption with integrated backup
- Capacity to absorb all the activity peaks : up to 160 tests/hour & 200 on board samples
- Centralization of results in one station making validation easy & efficient
- Cost effective solution with only 1 physical connection to the LIS
- Accreditation compliant solution



Traceability

Pre-Analytical

Environment

Analytical

Quality

Reflex test

Centralized validation

Post-Analytical



- Management of your workflow**
- Acknowledgement of EDTA tubes and tracking
 - Handles stat management
 - Demographic controls
 - Automatic archiving of patient report, QC and back-up of archives (in local or external media)



- 160 samples/hour solution with large walk-away capacity**
- Auto-loading with large capacity (200 tubes)
 - Onboard view of reagent levels
 - Micro sampling (35 µL CBC, 35 µL RET, 53 µL Diff)
 - Cap piercing stat mode



- Easy to use platform and intuitive software**
- Touch screen software
 - Direct access to interface by icons
 - Contextual toolbar and help online

Reference methods	CBC	DIFF	RET
Impedancemetry	○	○	○
Flow cytometry		○	○
Cytochemistry		○	
Fluorometry			○
MDSS***	○	○	○
DHSS***		○	○

- A concentration of technology**
- 6 recognized measurement principles included on a single analyser
 - 36 parameters with Reticulocytes



- Optimization of your quality**
- Hematology-dedicated QC (XB, Levey-Jennings graphs, etc.)
 - Simultaneous viewing of your controls at 3 different levels
 - Inter-instrument comparisons
 - Automatic QCP (Quality Control Program)



- Standardization of your laboratory guidelines**
- Auto-validation, re-run, dilution, reflex testing (ret, cytology), printing, comments, interpretation help, delta check etc.



- Reduction of slide review time**
- Automatic multi-criteria validation of results: Qualitative, Quantitative, Delta check, Demographics, etc.
 - Support for manual validation with centralization of key information (manual and instrument results, patient history, slide reports, etc.)
 - Inter-runs comparison



- Ongoing evolution**
- Compatibility with slide preparation system* and digitalization*
 - Internal Cytomorphological Quality Control QSP (Quality Slide Program)
 - Cytological Atlas : hematovision

* Option

PHYSICAL SPECIFICATIONS

Dimensions & Weight by instrument:

Height Width Depth Weight
 21.5 in 32.3 in 22.4 in 138 lb
 54 cm 82 cm 57 cm 62,5 kg

Printer: Laser

Complete Solution Throughput:

Up to 160 samples/hour in automatic mode

Up to 160 samples/hour in manual mode

Sound Pressure Level: < 60 dBa

Operating Temperature:

16 to 34°C (61 to 93°F) room temperature

Specimen Volume:

CBC 35 µL

CBC + DIFF 53 µL

RET 35 µL

Power Requirements:

Power supply from 100 V to 240 V (± 10%)
 50 Hz to 60 Hz

Power consumption Maximum 230 VA

Heat output Maximum 670 KJ/h

Reagents:

Only 5 reagents and 1 diluent : ABX Diluent 10 or 20L

ABX Lysebio (cyanide free)

ABX Cleaner

ABX Eosinofix

ABX Basolyse II

ABX Fluocyte

PARAMETERS

CBC:

WBC RBC HGB HCT MCV MCH MCHC PLT MPV PCT* PDW*

RDW-CV RDW-SD

Differential Leukocytes:

NEU# & NEU% LYM# & LYM% MON# & MON% EOS# & EOS%

BAS# & BAS% ALY*# & ALY*% LIC*# & LIC*%

Reticulocytes:

RET% RET# RETH%* RETM%* RETL%* CRC% IRF% MRV* RHCc*

CERTIFICATION

98/79/EC (IVD)

IEC 61010-1

cTUVus Mark

IEC 61010-2-81

IEC 61010-2-101

EN 61326-1

UL 61010-1

EN 61326-2-6

CAN/CSA-C22.2 61010-1

IEC 61000-3-2

IEC 61000-3-3



Operating IMS

SOFTWARE SPECIFICATION

Technical Specifications:

Processor: Core i5 2.9 GHz

Flat screen (LCD): 20 inch

On-line memory capacity:

25,000 results + graphics

100,000 results (without graphics)

Windows 7 external PC

RAM (8 Gb), Hard disk (320 Gb)

DVD reader

Parallel port + RS 232C (x6)

USB ports, Ethernet card

Bidirectional connections

ASTM protocol

PERFORMANCE DATA

Linearity:

Parameters	Standard	CDR ** Mode	CDR ** Visible range	Unit
WBC	0 - 120	120 - 360	360 - 550	10 ³ /µL
RBC	0 - 8	0 - 8	8 - 18	10 ⁶ /µL
HGB	0 - 24	0 - 24	24 - 30	g/dL
HCT	0 - 67	0 - 67	67 - 80	%
PLT (whole blood)	0 - 1 900	1 900 - 3 800	3 800 - 5 500	10 ³ /µL
PLT (concentrate)	0 - 2 800	2 800 - 5 600	5 600 - 7 500	10 ³ /µL
RET%	0 - 42			%
RET#	0 - 1.5			10 ⁶ /µL

Precision:

Parameters	CV (%)	Range	Unit
WBC	< 2.0	4.0 - 10.0	10 ³ /µL
RBC	< 2.0	3.6 - 6.2	10 ⁶ /µL
HGB	< 1.0	12.0 - 18.0	g/dL
HCT	< 2.0	36 - 54	%
PLT	< 5.0	150 - 500	10 ³ /µL
RET%	< 12.0	0.5 - 3.0	%
RET#	< 20.0	0.02 - 0.10	10 ⁶ /µL
CRC	< 15.0	0.75 - 2.3	%

* RUO parameters (Research Use Only)

** CDR: Customized Dilution Ratio



Comprehensive service to support your hematology accreditation



Inter-laboratories IQC comparison program



Cytomorphological and continuous training tool



Cytological Atlas



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