

Pentra ES 60



Hematology Analyzer

Open tube analysis with a dedicated workstation ensuring complete convenience and flexibility

- Ideal for clinical research
- Data management on stand-alone PC.
- Micro-sampling from whole blood (CBC : 30 μ L - DIFF: 53 μ L)
- Cytochemistry, Impedance (real cell volume measurement) & Optical (analysis of the internal cellular structure by measuring light absorbance) - DHSS* Technology.
- Perfect homogenization of blood samples with reagents - MDSS** Technology.
- Open Tube
- 26 parameters
- CBC / 5 Part DIFF
- Data Management

FEATURES

Throughput: Up to 60 samples/hour

- Reagents: Only 4 onboard reagents and 1 diluent
- Perfect differentiation of the 5 WBC sub-populations with DHSS* Technology
- 3 histograms for RBC, BAS/WBC and PLT together with the 5 DIFF Matrix.
- Basophils counted through specific channel
- High resolution matrix includes the determination of 2 additional subpopulations (% and #): Atypical Lymphocytes (ALY***) and Large Immature Cells (LIC***)

SPECIFICATION

Technical

Weight	77 lbs / 35 kg
Power supply	100 to 240 V (± 10%) - 50 to 60 Hz.
Dimensions	20.3 x 17.5 x 19 in / 51,5 cm x 44,5 cm x 48 cm
Printer	Laser printer
Throughput	60 tests/hour.
Data management	Colour screen: 15 in. monitor (800 x 600px) Windows XP Prof.™ User-defined flagging limits Transmit patient & QC to LIS Uni-directional or bi-directional connection Communication Protocols: ABX / ASTM CD-ROM drive / Floppy disk 2 serial ports minimum USB Keyboard / USB Mouse
Memory	10,000 results + Graphics
Quality Control Management	12 selectable QC files XB: 60 Operator selectable batches with statistics (20 samples per batch) Within run Levey-Jennings Graphs
Logs	Reagents, calibration, maintenance, errors, blank cycle

Results

Parameters	Precision (%CV)	Linearity
WBC	< 2.0	0-120 x 10 ³ /μL
RBC	< 2.0	0-8 x 10 ⁶ /μL
HGB	< 1.0	0-24 g/dl
HCT	< 2.0	0-67%
PLT (whole blood)	< 5.0	0-1900 x 10 ³ /μL
PLT (PLT concentrate)	< 5.0	0-2800 x 10 ³ /μL

Blood Controls & Calibrators

Blood Controls

Reference	Description	
2062207	ABX Diffrol - 2L + floppy	2 x 3 mL vial
2062203	ABX Diffrol - 2N + floppy	2 x 3 mL vial
2062208	ABX Diffrol - 2H + floppy	2 x 3 mL vial
2042208	ABX Minotrol 16 - 2L	2 x 2.5 mL vial
2042209	ABX Minotrol 16 - 2H	2 x 2.5 mL vial
2042202	ABX Minotrol 16 - 2N	2 x 2.5 mL vial

Calibrators

Reference	Description
2032002	Minocal Calibrator 1x2 mL

N: normal level, H: high level, L: low level

* Recommended by HORIBA Medical