

Safe Blood Testing with ABX Micros 60/ES60 CT Pack Hematology System



Providing additional protection to laboratory staff when performing blood sample analysis, especially when dealing with highly infectious patients and blood-borne pathogens.

SAMPLING

- Self-contained closed tube sampler
- No exposure to blood
- Self-contained reagent pack with disposable waste

HANDLING

- Minimum self-operators' training
- Easy-to-use analyzer
- Utilize inside patient isolation units

CLEANING

- Safe removal of pack without exposure to infectious waste
- Minimal surfaces allowing for easy external cleaning
- Automatic cleaning of sample needle
- Concentrated cleaning with ABX Minocclair reagent for decontamination



Features

- Integrated barcode reader (samples, QC and reagents) and thermal printer (full data printout and graphs)
- User-friendly interface (color touch screen, virtual keyboard)
- Complete Quality Control Program (3 QC levels import in one time, Levey-Jennings, XB, overlapping)
- Embedded Data Management: Data transfer with USB key to archive or download data, high results capacity, customized reports.
- Compatible with innovative reagent pack or bottle systems

Offering a CBC with 3-part Diff to aid in differentiating between bacterial and viral infections

- ✓ CBC plus 3-part Diff
- ✓ 18 or 19 parameters : WBC, RBC, MCH, PDW*, HGB, MCHC, PLT, MCV, RDW-CV, RDW-SD*(1), PCT*, HCT, MPV, LYM (# & %), MON (# & %), GRA (# & %) *RUO (Research Use Only) (1) available on MES60
- ✓ Technologies : Impedance, Photometry (HGB), Selective lyse (3 part-Diff)
- ✓ Throughput : 50 tests/hour
- ✓ Specimen Volume : 10 µL
- ✓ Reagents : Self-contained pack with reagents and waste container
- ✓ Identification mode : Alphanumeric (internal or virtual keyboard), Optional barcode reader

Specification

Technical

Weight:	(OT) 30.9 lbs / 16 k, (CT) 35.7 lbs / 17 kg
Power supply:	100 V to 240 V - 50 Hz to 60 Hz
Dimensions (HWD):	(in) 16.9 x 14.2 x 14.2 / (cm) 43 x 36 x 36
Printer:	Built-in thermal printer
Throughput	50 tests/hour (CT) - 60 tests/hour (OT)
Data Management:	Complete QC menu, logs (reagents, calibration, maintenance, errors, blank cycle), easy data transfer (USB), Transmission of patient & QC results to LAN (local area network), Mono-directional connection, All-in-one QC import, overlapping
Memory:	1000 patients results with histograms
Screen:	LCD colour touch screen (8.4")

Samples

Parameters (19)	<i>WBC, RBC, RDW CV, HGB, MPV, HCT, MCV, PLT, MCH, MCHC, LYM# & LYM%, MON# & MON%, GRA# & GRA%, PDW*, PCT*, RDW SD*.</i>
Graphics:	PLT, RBC, WBC curves
Blood volume:	CBC + 3DIFF mode: 10 µL
Stability:	48 hours post-draw stability(at refrigerated temperature)
Operating sample mode:	Open tube or Closed Tube
Identification:	Alphanumeric, Integrated barcode reader

* RUO (Research Use Only)

Results

Parameters	Precision (cv %)	Linearity
WBC	< 2.5 (at 4 - 10.0 x 10 ³ /µL)	0 - 100 x 10 ³ /µL
RBC	< 2.0 (at 4-7 x 10 ⁶ /µL)	0 - 8 x 10 ⁶ /µL
HGB	< 1.5 (at 12-18 g/dL)	0 - 26 x g/dL
HCT	< 2.0 (at 36-54 %)	0 - 80%
PLT (whole blood)	< 5.0 (at 200-500 x10 ³ /µL)	0 - 2200 x 10 ³ /µL (whole blood) 0 - 4000 x 10 ³ /µL (PLT concentrate)

Blood Controls & Calibrators

Blood Controls

Reference	Description	
2042208	ABX Minotrol 16 - 2L	2 x 2.5 mL vial
2042202	ABX Minotrol 16 - 2N	2 x 2.5 mL vial
2042209	ABX Minotrol 16 - 2H	2 x 2.5 mL vial

Calibrators

Reference	Description	
2032002	ABX Minocal	2 mL vial

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

* Recommended by HORIBA Medical