

ABX Micros 60

Process efficiency in Hematology



HORIBA
Medical

PHYSICAL SPECIFICATIONS

• **Dimensions & Weight:**

Height	Width	Depth	Weight
44 cm	36 cm	33cm	14 Kg
16.5 in	14.2 in	12.6 in	31 lb

• **Throughput:**

Up to 55 samples/hour in Closed or Open Tube

• **Specimen Volume:**

CBC - 10 µl / CBC 3 part DIFF - 10µl

• **Power Requirements:**

Power supply	from 90 Vac to 240 Vac
	50 Hz to 60 Hz
Power consumption	Maximum 230 VA

• **Reagents:**

Micros 60 bottle reagents:

Minidil
Alphalyse 360
Miniclean
Minilyse

Micros 60 Pack reagents:

Minipack

• **Sound Pressure Level:**

<60 dBa

• **Operating Temperature & Humidity:**

16 - 34°C (61 - 93°F) room temperature
Maximum relative humidity 80% for temperature up to 31°C (88°F)
decreasing linearity humidity at 40°C (104°F)

METHODS & TECHNOLOGIES

• **RBC/PLT detection principles**

Method	Impedance
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• **HGB measurement**

Method	Photometry
Wavelength	555 nm

• **HCT measurement**

Method	Numeric integration
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• **WBC measurement**

Method	Impedance
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• **3 part Differentiation**

Method	Impedance
	Specific lyse action

• **Calculated Parameters**

MCV, MCH, MCHC, RDW

CERTIFICATIONS

UL 61010-1:204 R7.05
CAN/CSA-C22.2 NO. 61010-1-0-4

SOFTWARE SPECIFICATIONS

• **Data Processing:**

LCD screen with 2 lines of 40 alphanumerical characters
Capacity: Last result + graphics
Optional memory smart card - 78 results
Unidirectional connection RS 232
QC and Patient results can be transmitted to LIS

• **Quality Control Management:**

Smart card based QC - standalone (31 data points x 3 levels)
Optional Lite DM™ data management software

PARAMETERS & PERFORMANCE DATA

• **16 Parameters**

WBC	RBC	RDW
GRA # & GRA%	HGB	PLT
MON# & MON%	HCT	MPV
LYM# & LYM%	MCV	
	MCH	
	MCHC	

• **Linearity:**

Parameters	Limits
WBC	0 - 100 x 10 ³ /mm ³
RBC	0 - 8 x 10 ⁶ /mm ³
HBG	0 - 26 g/dL
HCT	0 - 80%
PLT (A)*	0 - 2200 x 10 ³ /mm ³
PLT (B)*	0 - 4000 x 10 ³ /mm ³

• **Precision:**

Parameters	%CV	Nominal Values
WBC	< 2.5	10 x 10 ³ /µL
RBC	< 2.0	5 x 10 ⁶ /µL
HGB	< 1.5	15 g/dL
HCT	< 2.0	45%
PLT	< 5.0	300 x 10 ³ /µL

• **Carry-over:**

Parameters	%	Blood count level
WBC	< 0.5	63.0 x 10 ³ /mm ³
RBC	< 0.5	7.58 x 10 ⁶ /mm ³
HGB	< 0.5	23.4 g/dL
PLT	< 0.5	988 x 10 ³ /mm ³

*A for Hgb > 2 g/dL and RBC > 0.5 x 10⁶/mm³

*B for Hgb < 2 g/dL and RBC > 0.5 x 10⁶/mm³

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Subject to technical modifications / AD-041113-1 Rev.2 USA VERSION

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ABX Micros 60

Process efficiency in Hematology



- Up to 55 samples per hour
- CBC / 3 DIFF 16 Parameters
- Open or Closed tube
- Compact and lightweight
- Micro-sampling:
10µl of whole blood per cycle

Solutions adapted to your needs

> Concepts and Technology

- **CBC**
Impedance, selective lysing (LMG)
- **Liquid valves**
Precise volumes and reliability
- **No compressor**
Stepper motor and low noise

> Automatic Maintenance

Automatic cleaning of the sampling probe

> 16 parameters

WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT, MPV, RDW, LYM (% and #), MON (% and #), GRA (% and #), WBC, RBC and PLT histograms

> Flexible with a list of options

- **Lite DM software**
Comprehensive QC management
Customizable test panels
Cumulative reporting
EMR / LIS connectivity
- **Quality control management**
Smart card based QC-standalone
(31 data points x 3 control levels)
- **Sampling mode**
Open tube, or
Closed Tube (4 position tube holder)
- **Identification mode**
Alphanumeric (with internal keyboard)
Barcode reader (for patient's ID number)
- **Integrated Reagents**
Bottles / Minipack
- **Memory**
Last result + graphics
optional memory smart card - 78 results
(rewritable memory smart card)

• Simple and easy menu

• Fully-automatic analysis cycle

• Only 3 reagents (diluent, lyse, cleaner)



Comprehensive QC and Patient
Data Management



Micros 60
Open tube system available



Sample Tube Holder
Utilizes Multiple
Tube Sizes



Barcode reader



Keyboard



Self contained pack
for reagents/waste