

ABX **Micros 60**

Process efficiency in Hematology



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

• Simple and easy menu

• Fully-automatic analysis cycle



Comprehensive QC and Patient
Data Management



Micros 60
Open tube system available



Sample Tube Holder
Utilizes Multiple
Tube Sizes

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**
31 data points x 3 control levels
- **Sampling mode**
Closed Tube (4 position tube holder)
- **Identification mode**
Alphanumeric (*with internal keyboard*)
Barcode reader (for patient's ID number)
- **Integrated Reagents**
Bottles / Minipack
- **Memory**

- Only 3 reagents (diluent, lyse, cleaner)



Barcode reader



Keyboard



Self contained pack for reagents/waste

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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

• 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

• HGB measurement

Method Photometry
Wavelength 555 nm

• HCT measurement

Method Numeric integration

• WBC measurement

Method Impedance

• 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

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Operating IMS

SOFTWARE SPECIFICATIONS

• Data Processing:

LCD screen with 2 lines of 40 alphanumeric characters
Capacity: Last result + graphics
Unidirectional connection RS 232
QC and Patient results can be transmitted to LIS

• Quality Control Management:

31 data points x 3 control levels
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
HGB	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