ABX Micros 60
Process efficiency in Hematology
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ABX Micros 60

- 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

- Simple and easy menu
- Fully-automatic analysis cycle

Optional LiteDM provides Comprehensive Patient and QC Data Management

Micros 60
Closed 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**
  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**
  Alphanumerical (with internal keyboard)
  Barcode reader (for patient’s ID number)
- **Integrated Reagents**
  Minipack / Bottles
- **Regenerative Medicine testing**
  Platelet Rich Plasma (PRP)
  Linearity up to 4 million using plasma samples

* Only 3 reagents (diluent, lyse, cleaner)
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PHYSICAL SPECIFICATIONS

• Dimensions & Weight:
  Height Width Depth Weight
  44 cm 36 cm 33 cm 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 - 10 µl

• 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

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/mm³
  RBC 0 - 8 x 10^6/mm³
  HGB 0 - 26 g/dL
  HCT 0 - 80%
  PLT (A)* 0 - 2200 x 10^3/mm³
  PLT (B)* 0 - 4000 x 10^3/mm³

• Precision:
  Parameters %CV Nominal Values
  WBC < 2.5 10 x 10^3/µL
  RBC < 2.0 5 x 10^3/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/mm³
  RBC < 0.5 7.58 x 10^3/mm³
  HGB < 0.5 23.4 g/dL
  PLT < 0.5 980 x 10^3/mm³

* A for Hgb > 2 g/dL and RBC > 0.5 x 10^6/mm³ (WB)
* B for Hgb < 2 g/dL and RBC > 0.5 x 10^6/mm³ (PRP)

CERTIFICATIONS

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