

34 parameters

WBC, LYM%, MON%, NEU%, EOS%, BAS%, LYM#, MON#, NEU#, EOS#, BAS#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW_CV, RDW_SD, PLT, MPV, PDW, PCT, P_LCR, P_LCC, RETIC%, RETIC_ABS, IRF

6 research parameters: ALY#, ALY%, LIC#, LIC%, NRBC#, NRBC%

2 histograms for RBC and PLT

2 scatter grams: 5-part differential scatter gram

Eosinophils and Neutrophils scatter gram

Two 3-D stereograms

Principles of operation

WBC 5-part: flow cytometry(FCM) + 4 angles laser light scatter

WBC analysis: optical and impedance measurements

RBC/PLT analysis: impedance method

HGB test: cyanide-free reagent colorimetry

RETIC test: flow cytometry (FCM) + laser light scatter + chemical dye method

Reagent

Diluent, detergent, lyse, sheath, RETIC staining solution

Sampling modes

Auto loader 20 µL, manual mode 20 µL, pre-diluted mode 20 µL

Aperture diameter

WBC 100 µm, RBC/PLT 68 µm

Throughput

Auto & manual mode: up to 60 samples per hour, support STAT

Sampling device

Auto loader with 50 (10 x 5 racks) sample storage capacity

Built-in bar code reader

Data storage

Up to 200,000 sample results with all grams

Alarms

Error messages

Display

PC display with windows system, 17-inch color TFT display

LIS

Support, with HL7 protocol

Power

AC 100-240V, 50/60Hz, 300VA

Dimension & Weight

580 mm (L) x 750 mm (W) x 550 mm (H), about 73 kg

bt
products



bt-pro 2400

5-Part-Diff Hematology Analyzer

34 Parameters including RETIC_ABS, RETIC%, IRF

Flow Cytometry (FCM) + Multi Angle Scatter Separation (MASS)

Hourly throughput up to 60 samples

Resistant RBC mode

Multi-language software available (Tailor-Made)



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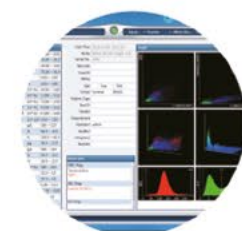
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- Reticulocyte test: RETIC_ABS, RETIC%, IRF
- 34 parameters, 2 histograms, 2 scatter grams and two 3D stereograms
- Hourly throughput up to 60 samples
- Auto loader with 50 sample storage capacity
- The combination of WIC and WOC for WBC counting
- Impedance method for RBC and PLT counting
- Cyanide free reagent for hemoglobin counting
- On board storage capacity of 200,000 samples with all grams
- Built-in bar code reader
- LIS and HIS available with HL7 protocol



Laser Scatter

- Multi angle scatter separation (MASS)
- Original cell morphology signal
- Stable and long-lasting



Sheath Flow Regulation

- Chemical dye free technology
- Only sheath reagent for WBC 5-Diff



Sample Aspiration Device

- Flexible sample aspiration blood collection tubes including: standard tube, capillary tube, disposable plastic tube and micro tube



Electronic and Mechanical Components

- Individual quality control management
- Military level
- 20 years filed-proven



2D+3D Grams

- Two 2D histograms: RBC and PLT
- Two 2D scattergrams: 5-part differential Eosinophil and Neutrophil
- Two 3D multi angle vision grams



Data Management

- On board storage capacity of 200,000 samples with all grams
- Professional data statistics query system



Operation Interface

- Simple operate with user friendly illustrated icons
- Handy tool tips
- Unique BT Products operation interface like all BT Products hematology series



Quality Control Solution

- BT Products original QC reagent with multi method as L-J, X, X-R, X-B, etc.
- Third party QC solution available