



Auto Hematology Analyzer 5 part-diff

PKL PPC 1100H

Auto Hematology Analyzer

Specifications

34 parameters

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

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

2 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

RET test: Flow Cytometry(FCM)+laser light

scatter+Chemical dye method

Reagent

Diluent, Sheath, Detergent,Lyse

Sampling modes

Auto loader 160µL, Manual mode 160µL, Pre-diluted mode 40ul

Sampling device

Automatic sampling device with a capacity of 120 samples,10 samplesX12 racks, auto built-in barcode reader



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Throughput

Auto loader up to 110 samples per hour

Manual mode up to 100 samples per hour

Aperture diameter

WBC 100µm, RBC/PLT 80µm

Data storage

Up to 200,000 sample results with grams

Alarms

Error messages

Display

PC display with Linux system,
14 inch color TFT display

Dimension

760mm x 684mm x 676.5mm

Power

220V,50/60Hz 300VA

Weight

73kg

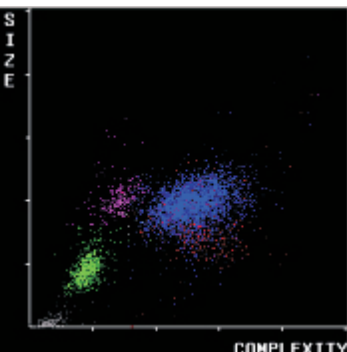
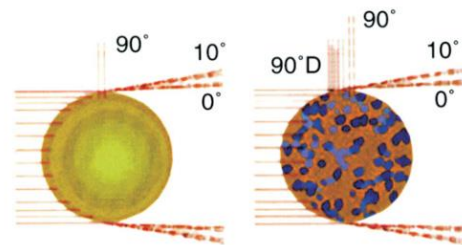


- Laser light multi-dimensional cell classification
- Resistant RBC mode
- WIC and WOC for WBC counting
- Up to 110 samples per hour throughput
- WBC 5 part diff with sheath reagent only
- Support both whole blood and capillary blood samples
- Four reagents for 34 parameters

Semi-conductor laser

Auto Hematology Analyzer uses semi-conductor laser for the flow cytometry system. Through calculations of different angles via laser scatters, the instrument provides complete analysis including cell size,

granularity and complexity.

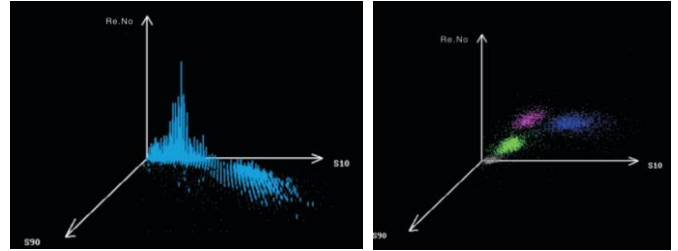


One channel give complete differentiate WBC

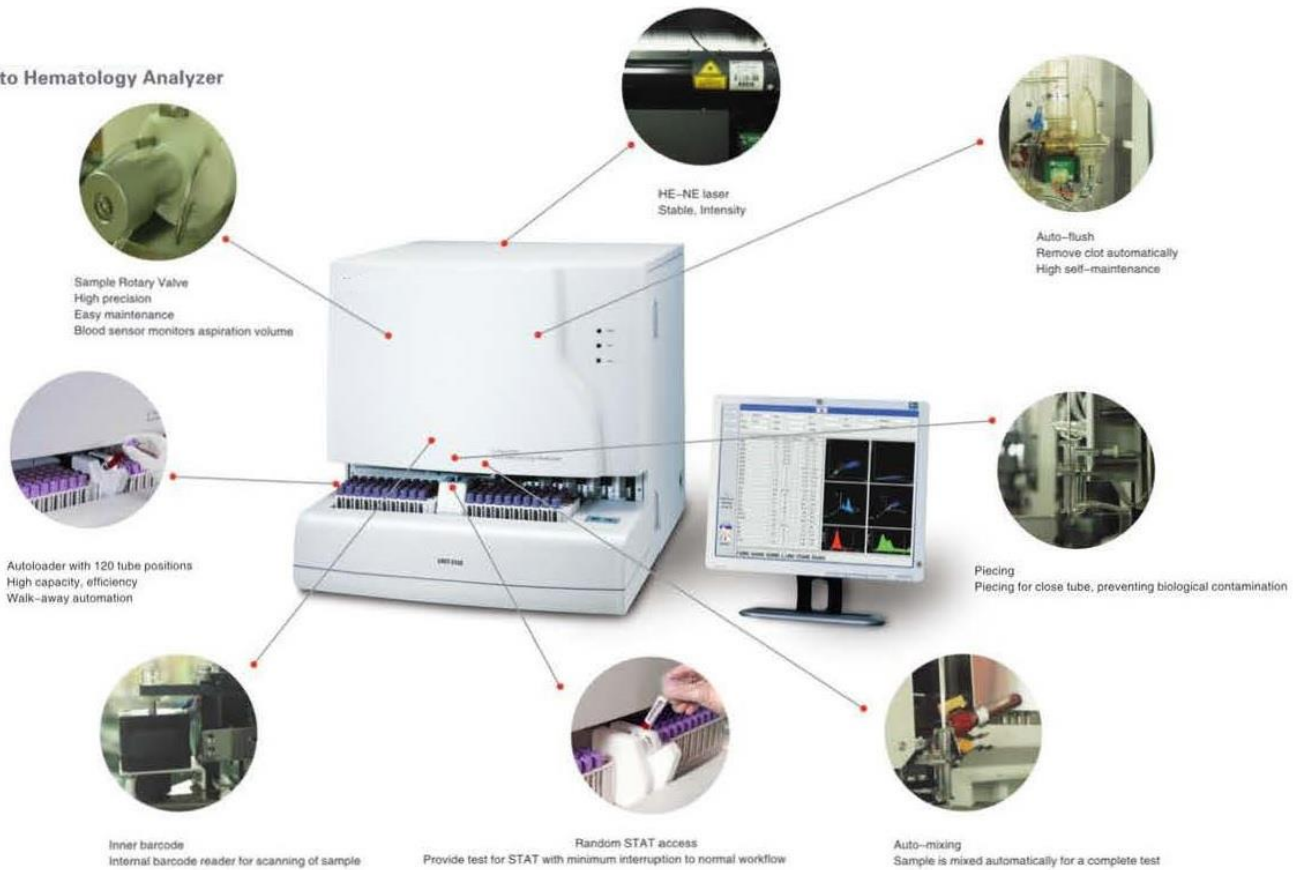
counts lymphocyte, monocyte, neutrophil, eosinophil and basophil in WOC channel

3D stereograms

Not only scatter grams but also 3D stereograms are provided by PKL PPC 1100H that the WBC differentiation would be presented on different views.



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