



## Auto Hematology Analyzer

# PKL PPC 1200H

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### Specifications

#### 28 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

2 Histograms for RBC and PLT

2 Scatter grams:

5-part differential scatter gram

Eosinophils and Moutrophils scatter gram

2 3-D stereograms

#### Principles of operation

WBC/DIFF: Flow Cytometry, Semi-conductor,Laser light multi-dimensional cell classification

WBC Analysis: Optical and impedance measurements

RBC/PLT Analysis: Impedance method

HGB test: Cyanide-free reagent colorimetry

#### Reagent

Diluent, Sheath, Detergent,Lyse

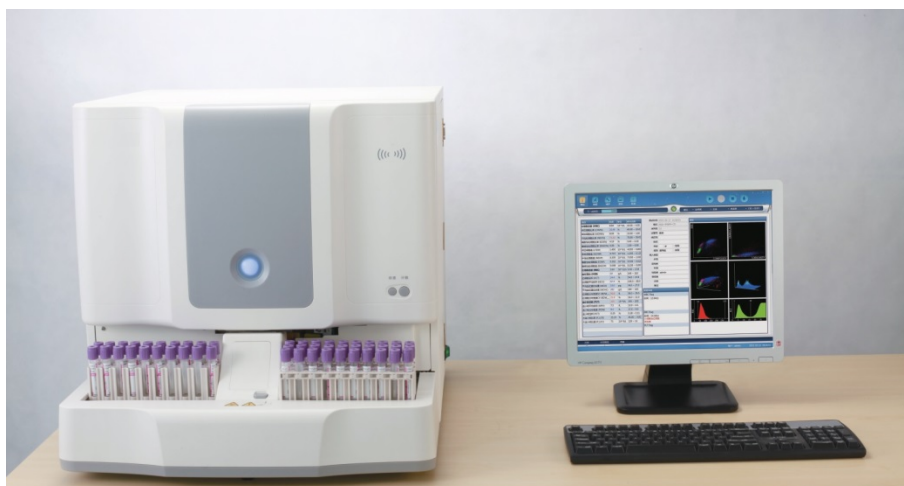
#### Sampling modes

Whole blood : 20μL

Pre-diluent : 20μL

#### Aperture diameter

WBC 100 μ m, RBC/PLT 68 μ m



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## Auto Hematology Analyzer

### Throughput

Up to 60 samples per hour with 50 autoloader positions

### Data storage

Up to 200,000 sample results with grams

### Alarms

Error messages

### Display

PC display

### Dimension

660MM (L) × 565MM (W) × 545MM (H)

### Power

220V, 50/60Hz 300VA

### Weight

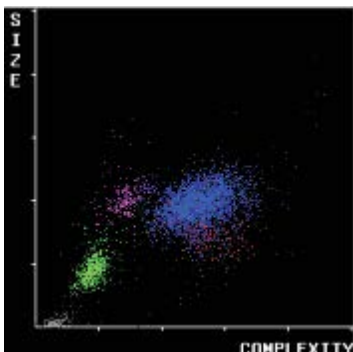
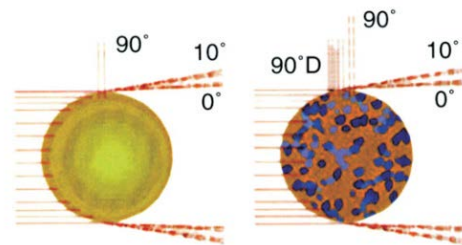
73kg



- Laser light multi-dimensional cell classification
- Resistant RBC mode
- WIC and WOC for WBC counting
- Up to 60 samples per hour throughput
- WBC 5 part diff with sheath reagent only
- Support both whole blood and capillary blood samples
- Four reagents for 25 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.



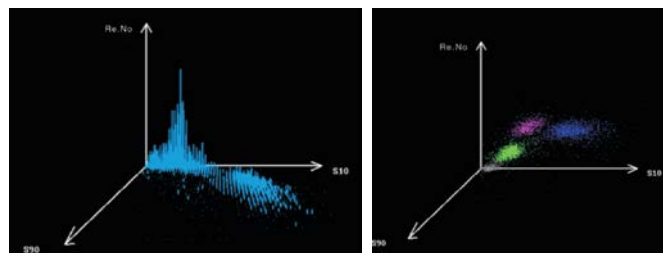
### One channel give complete differentiate WBC

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

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### 3D stereograms

Not only scatter grams but also 3D stereograms are provided by PKL PPC 1200H that the WBC differentiation would be presented on different views.



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ISO 9001:2015  
ISO 13485:2016