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**KT 6610**  
Auto Hematology Analyzer



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# KT 6610

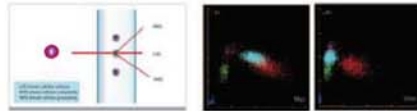
## Auto Hematology Analyzer



We understand 3 diff hematology analyzer has some limited functions compared with 5 diff hematology analyzer, for example, middle cells can't be distinguished, no flag information help diagnosis, etc.

With the development of healthcare, users demand more on the clinical reports help to know their body better, but 5 diff hematology analyzer is really a budget for small lab, hospital, clinics etc. That is why our KT6610 is developed. KT6610 is an innovative, economic, compact 5-diff hematology analyzer with 60 samples/ hour, it is designed to provide 25 parameters, 3 histograms and 3 scattergrams to help to diagnose disease. Users are able to clearly understand the clinical significance of flags and make a decision.

Small size, less reagents, low reagent consumption is another competitive features for the market. High-efficient operation procedure to help our users minimize their workload.



### High efficiency and convenience

60 samples per hour, minimize your workload  
 Built-in barcode scanner help you recognize sample and transfer patients information and results more efficiently  
 Running capillary blood directly is more convenient for pediatric diagnosis in children hospital.

### Complete diagnostic solution

3 reagents only (2 LYSEs, 1 DILUENT), cost-effective, less consumption  
 LYSEs are located in the machine to save more space

### Powerful software management

A totally new designed software help users to interact with instrument more friendly  
 Store 50,000 results, large memory  
 Real-time monitoring reagent, voltage, temperature status

### Intelligent design

Intelligent software menu for hardware diagnosis  
 Advanced high voltage and flush to remove blockage automatically

### Reliable results

Long life semi-conductor laser to differentiate WBC into 5 parts  
 Ceramic syringe to assure precise reagent or sample aspiration to get accurate results  
 Exported famous liquid parts to control liquid flow, simplified liquid system to lessen break-down rate

## Technical Specifications

### Principle

Impedance for RBC and PLT counting  
 Cyanide-free method for HGB  
 Tri-angle laser scattering  
 Flowcytometry for WBC differentiation and counting

### Parameters

25 parameters: WBC, Lym%, Mon%, Neu%, Bas%, Eos%, Lym#, Mon#, Neu#, Eos#, Bas#, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC.  
 4 research parameters: LIC#, LIC#, ALY%, ALY#  
 3 histograms for WBC, RBC and PLT  
 3 scattergrams for WBC differential

### Throughput

60 samples per hour

### Calibration

Manual and Auto-calibration

### Quality control

3 level QC,  
 LJ graph  
 XB

### Sample volume

CBC+ Diff mode: 20µL  
 Prediluted mode: 20µL

### Display

10.4-inch color touch screen  
 Liquid Crystal Display (LCD)  
 Resolution: 800×600

### Storage

50,000 sample results with histograms

### Reagent

3 Reagent (2 Lyse + 1 Diluent)  
 1 PB cleanser for maintenance

### Printout

Thermal printer, support external printer

### Sampling mode

Open mode, build-in barcode scanner

### Maintenance

Auto-cleaning of sample probe and tubes

### Temperature

10°C-30°C

### Interface

4 USB port, 1 LAN port  
 HL7 protocol, support LIS

### Blockage clear

High voltage, high pressure flush

### Power

AC 100-240V, 50/60±1Hz

### Dimension

350mm×450mm×420mm



## Performance

Parameters	Precision (CV)
WBC	≤ 2.0% (4.0-15.0×10 <sup>9</sup> )/L
RBC	≤ 1.5% (3.5- 6.0×10 <sup>12</sup> )/L
HGB	≤ 1.5% (110.0 - 180.0g)/L
MCV	≤ 1.0% (80.0-110.0) fL
PLT	≤ 4.0% (100.0-500.0×10 <sup>9</sup> )/L

Parameters	Measurement range
WBC	(0-200×10 <sup>9</sup> )/L
RBC	(0-18.0×10 <sup>12</sup> )/L
HGB	(0-300.0)g/L
PLT	(0-2000×10 <sup>9</sup> )/L