

» Technical Specifications

Principle	Tri-angle laser scattering, flow cytometry for WBC differential and countImpedance for RBC and PLT countCyanide-free method for HGB
Parameters	28 parameters: WBC, BAS#, BAS%, NEU#, NEU%, EOS#, EOS%, LYM#, LYM%, MON#, MON%, RBC, HGB, MCV, MCH, MCHC, RDW-CV, RDW-SD, HCT, PLT, MPV, PDW-CV, PDW-SD, PCT, P-LCR, P-LCC, NLR, PLR 8 research parameters: LIC%, LIC#, ALY%, ALY#, NRBC%, NRBC#, PLT Clumps%, PLT Clumps# 2 histograms for RBC and PLT4 scattergrams for WBC differential
Throughput	80 samples per hour
Calibration	Manual, auto and fresh blood calibration
Quality control	3 level QC, L-J graph, X-B
Sample volume(WB)	Open vial: ≤ 15μL, Auto-loading&pre-diluted: ≤ 20μL
Printout	Support USB color printer, Support external printer, PCL6
Maintenance	Sample probe auto-cleaning
Interface	4 USB ports, 1 Network port, HL7 protocol, support Bi-directional LIS
Blockage clear	High voltage, high pressure flush
Power	AC 100-240V, 50/60±1Hz
Dimension	685(D)mm x 580(W)mm x 560(H)mm
Weight	55kg
Display	10.4-inch color touch screen (LCD)
Storage	60,000 sample results with scattergrams and histograms

» Performance

Parameters	Whole blood precision (CV)		Parameters	Linearity range
WBC	≤ 2.0%	(4.0 - 15.0)×10 ⁹ /L	WBC	(0-500.0)×10 ⁹ /L
RBC	≤ 2.0%	(3.5 - 6.0)×10 ¹² /L	RBC	(0-8.00)×10 ¹² /L
HGB	≤ 1.5%	(110.0 - 180.0)g/L	HGB	(0-250)g/L
MCV	≤ 1.0%	(70.0 - 120.0)fL	PLT	(0-5000)×10 ⁹ /L
PLT	≤ 5.0%	(100.0 - 149.0)×10 ⁹ /L		
	≤ 4.0%	(150.0 - 500.0)×10 ⁹ /L		



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Genrui

EXCEED IN QUALITY AND MORE

KT 8000
5-Part Hematology Analyzer



Simply More Efficient

» Advanced Technology

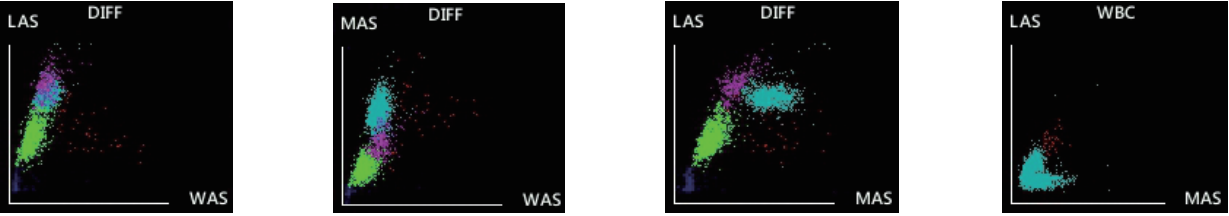
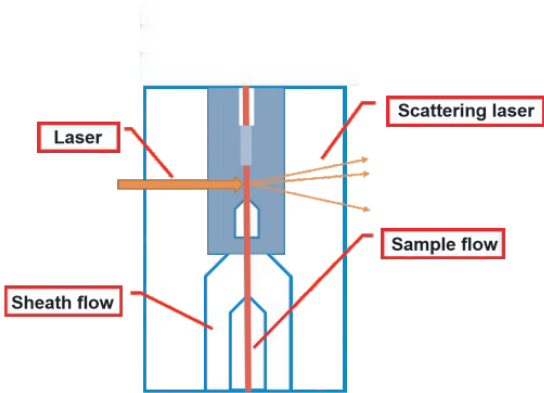
Reliable Innovation Tri-angle laser scattering and flow cytometry

KT-8000 is a real 5-Part auto hematology analyzer. It uses 3 reagents to differentiate and count blood cells.

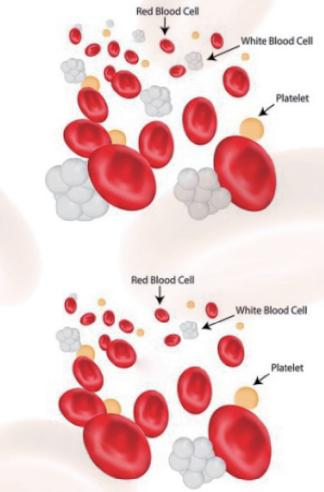
Diff lyse is added to differentiate 4 kinds of WBC(Lym, Mon, Neu and Eos), LH lyse is used to differentiate Bas and count WBC. Besides, there is a dedicated channel for Bas differentiation.

Surrounded with sheath fluid(diluent), blood cells pass through the center of the flow cell one by one at high speed.

The tri-angle laser scattering contributes to more accurate counting. When passing through the flow cell, blood cells are exposed to a laser beam. The intensity of scatter light reflects the blood cell size and intracellular density. The optical detector receives scatter light signals and converts them into electrical pulses. Pulse data is collected to generate a scattergram.



Unique Design Smart counting mode



Including L-WBC, L-PLT and L-WBC/PLT modes.

When the instrument has a “WBC decrease” or “PLT decrease” Flag alarm, select the Smart Counting Mode and retest the sample.

Use a larger amount of data to ensure measurement accuracy for low level samples.

Better repeatability for low WBC, low PLT sample

» Simply More Efficient



Reliable hardware, accurate results

Long-life semiconductor laser to differentiate WBC into 5 parts

Ceramic syringe to assure precise reagent or sample aspiration

Premium liquid parts (SMC valves and KNF pump) and simplified liquid system

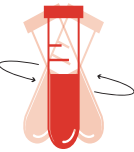


User-friendly design

Built-in vortical barcode scanner (Optional)

4 USB +1 Network ports

KT 8000



Auto sample mixer

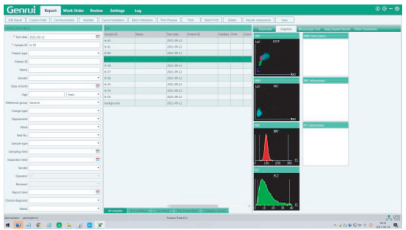


Auto loading track
Closed tube available
80 tests/hour

Emergency sample first
Support emergency sample insert
& open vial loading mode

Built-in operating system
No extra PC required
10.4-inch touch screen

» Smart Data management Unit

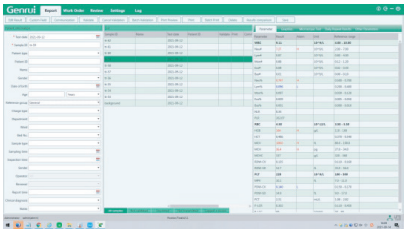


User-friendly interface

Patient information transmission by LIS

Hierarchical menu display

Validate/transmit/print classified review

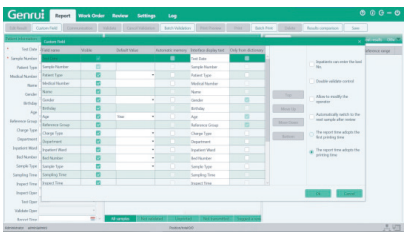


Powerful & High efficiency

Enhanced data management

Results transport & management in real time

iMessage& clinical flag information alarm



Flexible customization

Multiple parameter settings editable

User-defined print format

One-click QC input

» Applicable reagent

Only 3+1 reagents:

KT05A LD Lyse (500ml)

KT05A LH Lyse (200ml)

KT05A Diluent (20L)

Probe Cleanser (50ml)

