

Throughput
40 samples/hour

Principle
Impedance for WBC, RBC, PLT
Cyanide-free method for HGB

Parameters
22 parameters including: WBC, Neu#, Lym#, Mid#, Neu%, Lym%, Mid%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, MPV, PDW-SD, PDW-CV, PCT, P-LCR, P-LCC

Histograms
3 histograms (WBC, RBC, PLT)

Sample volume
Whole blood mode: 9µl
Capillary mode: 9µl
Prediluted mode: 20µl

Calibration
Manual calibration, auto calibration, fresh blood calibration

Quality control
3-level QC
L-J QC, X-B QC

Reagent
Diluent: 20L, Lyse: 500ml
Probe cleanser: 50ml

Print
Auto print, manual print

Communication
Support Bi-directional LIS

Language
English, Spanish, Italian, French, Russian, etc.

Input and output
8 inch touch screen
Internal printer, support external printer

Interface
USB port, Network port

Storage
400,000 results with histograms

Blockage clear
High voltage, high pressure flush

Dimension
430mm*280mm*400mm(D*W*H)

Net weight
17.5kg

Work environment
10-40°C, 10%-90%
100-240 AC, 50/60Hz, 160VA
70kPa-106.0kPa

KT-40
3-Part Hematology Analyzer



REDEFINE 3-PART HEMATOLOGY

Performance

	Parameter	CV	Measurement range
Precision	WBC	≤ 2.0%	(3.5-15.0)×10 ⁹ /L
	RBC	≤ 1.9%	(3.5-6.0)×10 ¹² /L
	HGB	≤ 1.9%	(110.0-180.0)g/L
	MCV	≤ 1.0%	(80.0-110.0)fL
	PLT	≤ 4.0%	(150.0-500.0)×10 ⁹ /L

	Parameter	Measurement range
Linearity	WBC	(0-200.0)×10 ⁹ /L
	RBC	(0-8.00)×10 ¹² /L
	HGB	(0.0-250.0)g/L
	PLT	(0-5000)×10 ⁹ /L



Real-time monitoring



Editable report



Color printing

Intelligent 4C Unit

Creative

Smart counting mode
For low WBC, PLT, or WBC/PLT samples
Better linearity for WBC and PLT

Closed

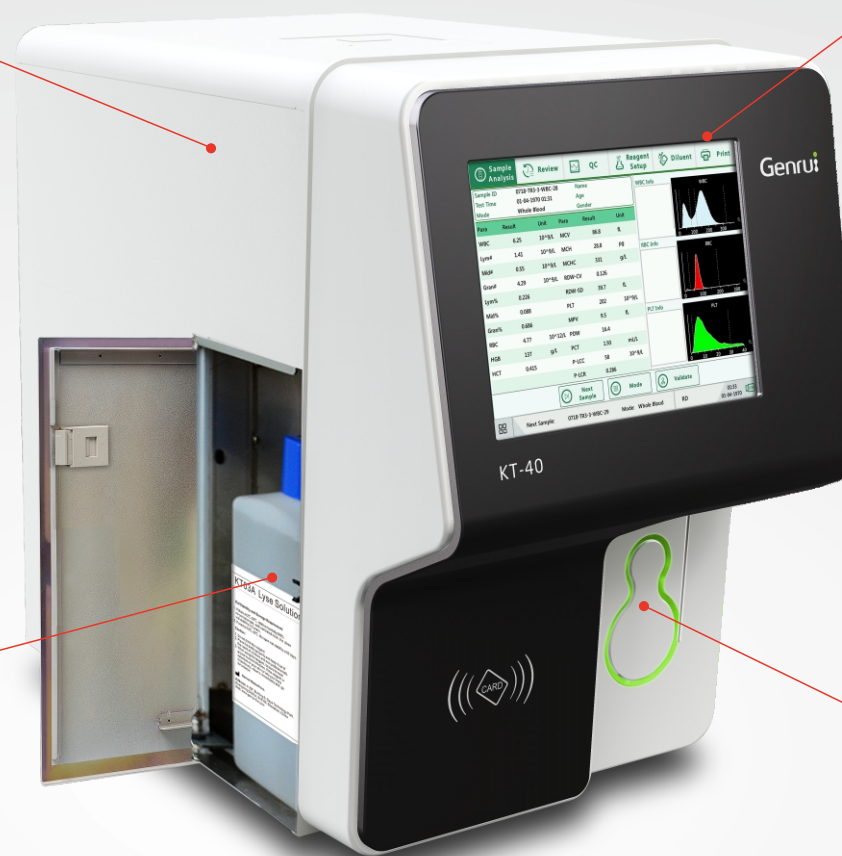
Built-in card reader
Lyse and diluent closed
Unique card for each bottle

Compact

Smaller and lighter design
8 inch touch screen
Reagent room for Lyse
Built-in and external printer

Considerate

Support Wi-Fi adaptor
Highlighted indicator light
Bi-directional LIS connection
Software update by USB drive



Sample ID	Test Time	Name	Age	Gender	WBC Info
1	08-28-2020 13:31	Whole Blood			
Para	Result	Unit	Para	Result	Unit
WBC	***	10 ⁹ /L	MCH	***	pg
Lym#	***	10 ⁹ /L	MCHC	***	g/L
Mid#	***	10 ⁹ /L	RDW-CV	***	%
Gran#	***	10 ⁹ /L	RDW-SD	***	fL
Lym%	***	%	PLT	***	10 ⁹ /L
Mid%	***	%	MPV	***	fL
Gran%	***	%	PDW-CV	***	%
RBC	***	10 ¹² /L	PDW-SD	***	fL
HGB	***	g/L	PCT	***	mL/L
HCT	***	%	P-LCC	***	10 ⁹ /L
MCV	***	fL	P-LCR	***	%

Powerful data management

Up to 400,000 results
Flag information for better diagnostics
Data export and QC file import by USB drive

Replace	Reagent Name	Open Date	Expiry Date	Residual Volume
1	Diluent	07-06-2019	09-04-2019	16.16%
2	Lyse	07-06-2019	09-04-2019	41.75%

Real-time monitoring

Reagent status (expiry date, residual, etc.)
Unit status (voltage, pressure, etc.)
Test number (amount in different modes)

Maintenance	Clean	Fluidics
Fluidics	Sample Probe	Counting chamber

Smart maintenance

Hardware self-checking
Multiple maintenance functions
Smart prompt and one-touch to remove error