

CE

Genrui



Catalogue

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Version 2.0

Genrui

Genrui Biotech Inc.

Add:4-10F, Building 3, Geya Technology Park, Guangming District, 518106, Shenzhen, China
Tel:+86 755 26835560/1/2 Fax:+86 755 26678789
Website:www.genrui-bio.com



Management System
EN ISO 13485:2012
ISO 9001:2008



www.tuv.com
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COMPANY PROFILE

Genrui Biotech Inc. is one of the leading Chinese companies specialized in developing, manufacturing and marketing IVD equipment and reagents. Established in 2004, Genrui has experienced great progress in both product development and market presence. Product range covers Hematology, Chemistry, Specific Protein and Point-of-Care as well as associated reagents, while market presence spreads across whole of China and more than 100 countries worldwide.

Being a national high-tech enterprise and an ISO9001 & ISO13485 qualified company, Genrui has implemented high standards to every aspect from product development, manufacturing, quality control and customer relations. With the core value "Innovation, Quality, Service" rooted in mind, our vision is to become a worldwide reputable brand for IVD.

Genrui welcomes whoever shares same vision to collaborate and grow up together, and with such joint force, thrive to make an impact on the field of IVD.



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01 Hematology

5-Part Auto Hematology / 04
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Coagulation Analyzer / 08

KT 6610 5-Part Auto Hematology Analyzer



> COMPACT YET POWERFUL Ideal to be your first 5-part

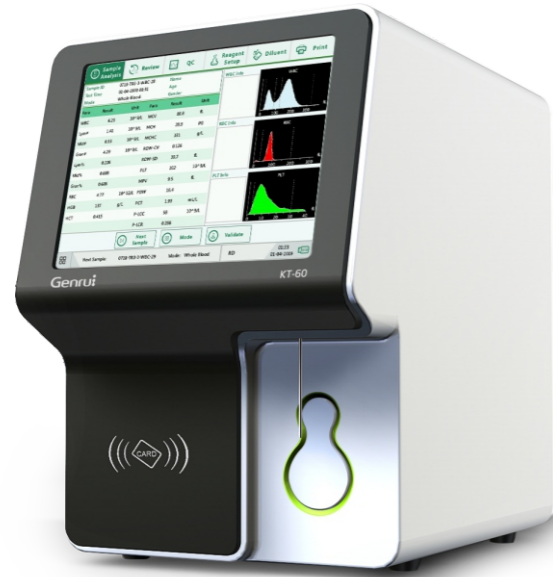
As an all-in-one solution, KT-6610 is equipped with a built-in system including 10.4-inch touch screen, reagent card reader, barcode scanner, thermal printer and reagent room for 2 lysers. It is designed as a versatile genius for small and medium labs, clinics or hospitals demanding for a hematology total solution meanwhile with high performance, novel technology and intelligent operating system.

> Product Features

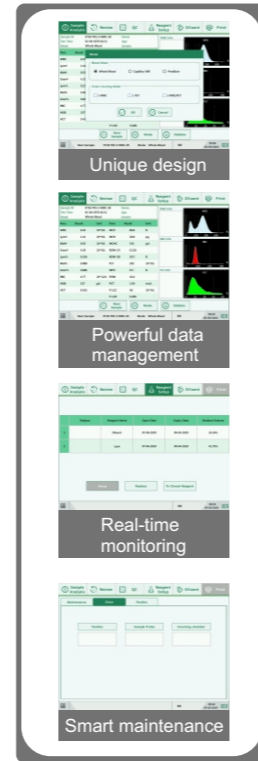
Throughput	60 tests/hour
Principle	Tri-angle laser scattering, flow cytometry for WBC differentiation and counting Impedance for RBC and PLT counting Colorimetric method for HGB
Items	25 + 4 Parameters, 4 Scattergrams + 2 Histograms
Communication	Support LIS, HL7 protocol
Storage	60,000 results with scattergrams and histograms

KT 60

3-Part Auto Hematology Analyzer



User-friendly



SMALL UNIT, MULTIPLE FUNCTIONS

Integrative solution for 3-Part

KT-60 is an up-to-date hematology analyzer providing smart counting mode for low value samples with only 9μL whole blood required. It is a wise choice for the small and medium labs, clinics or hospitals which require cost-effective solution by offering a complete solution with built-in system and reliable clinical support.

Product Features

Throughput	60 tests/hour
Principle	Impedance for cell counting Colorimetric method for HGB
Items	21 Parameters, 3 Histograms
Counting mode	Smart WBC mode, smart PLT mode, smart WBC/PLT mode
Storage	600,000 results with histograms

KT 6400

3-Part Auto Hematology Analyzer



KT 6300

3-Part Auto Hematology Analyzer



- KT-6400 is a classic 3-Part hematology with proven marketing feedback at affordable price. It is suitable for small, medium labs or clinics which need easy operation, stable performance and robust system.
- KT-6300 is an economic option for those small and medium labs or clinics to fulfill their basic requirement as it is designed as a fundamental model.

Product Features

Throughput	60 tests/hour
Principle	Impedance for cell counting Colorimetric method for HGB
Items	20 Parameters, 3 Histograms
Blockage clear	High voltage, high pressure flush
Storage	100,000 results with histograms

Model Difference

Model	KT-6300	KT-6400
Display	8-inch touch screen	10.4-inch touch screen
Input	2 USB ports	4 USB ports
Dimension (D*W*H)	410mm*435mm*472mm	514mm*594mm*645mm
Weight	21kg	24.7kg

KT Reagents

> Reagents For KT-6610

Product	Specification
Dil Diluent	20L
DIFF Lyse	500ml
LH Lyse	200ml
Probe Cleanser	50ml



> Reagents For KT-60

Product	Specification
Diluent	20L
Lyse	500ml
Probe Cleanser	50ml



> Reagents For KT-6400&6300

Product	Specification
Diluent	20L
Lyse	500ml
Probe Cleanser	50ml



CA.51 Coagulation Analyzer

CA.52 Coagulation Analyzer

CA.54 Coagulation Analyzer



> CA series are semi-auto coagulation analyzers with 1, 2 or 4 independent working channels. Only small volume of sample and reagent is needed for tests to save cost, which can meet the requirement of small labs or clinics.

> Product Features

Parameters	PT, APTT, TT, FIB, etc.
Principle	Clotting, optical method
Wavelength	LED 470nm
Sample type	Plasma
Memory	10,000 results storage
Sample volum	20-40μL
Reagent volume	20-40μL

> Model Difference

Model	CA51	CA52	CA54
Testing channel	1	2	4
Display	4.3-inch screen	5-inch screen	5-inch screen
Cuvette incubation positions	5	12	24
Reagent incubation positions	2	5	6
Net weight	2.1kg	4.5kg	5.2kg

02 Chemistry

Auto Chemistry Analyzers / 10
Semi-auto Chemistry Analyzers / 14
Chemistry Reagents / 16
Electrolyte / 17
Urinalysis / 20

CS 480A Auto Chemistry Analyzer

- GS480A is a robust and powerful floor-standing chemistry analyzer with constant throughput of 400 tests per hour. It is an ideal product for medium sized laboratories with its high efficiency and excellent performance. The user-friendly software simplifies operation and provides precise and reliable results and comfortable testing experience.



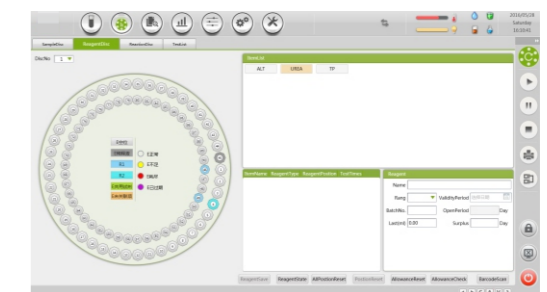
General Features

- Fully automatic, random access, STAT priority
- Constant 400 tests per hour
- Maintenance-free grating photometer with 13 wavelengths
- 90 reagent positions and 105 sample positions
- 120 reusable reaction cuvettes
- 2 probes and 2 mixers
- 8-step auto cuvette wash
- Carry-over setup
- Abnormal reaction detection
- Bi-directional LIS transmission

Robust hardware



Intuitive software



GS 300 Plus

Auto Chemistry Analyzer



GS 200

Auto Chemistry Analyzer



GS300 Plus is one of the best bench-top chemistry analyzers, which is flexible for small to medium sized laboratories. By utilizing latest innovations, it's a perfect combination of small footprint and outstanding performance.

General Features

- ❖ Fully automatic, random access, STAT priority
- ❖ Constant 240 tests per hour, up to 300 tests per hour
- ❖ 60 sample positions and 60 reagent positions
- ❖ 81 reusable reaction cuvettes
- ❖ Auto cuvette wash
- ❖ Carry-over setup
- ❖ Abnormal reaction detection
- ❖ Bi-directional LIS transmission
- ❖ Barcode scanner (optional)

GS200 is a compact bench-top chemistry analyzer, which is cost-effective, easy-to-use and reliable. It's an ideal choice for small sized laboratories, providing high standard performance.

General Features

- ❖ Fully automatic, random access, STAT priority
- ❖ Constant 100 tests per hour, up to 150 tests per hour
- ❖ 8 wavelengths with simultaneous dual-wavelength measurement
- ❖ 40 reagent positions and 40 sample positions
- ❖ 50 reusable reaction cuvettes
- ❖ Auto cuvette wash (optional)
- ❖ Bi-directional LIS transmission
- ❖ Barcode scanner (optional)
- ❖ Water consumption ≤ 2 L/H



GS 100

Auto Chemistry Analyzer



GS100 is one of the smallest and most integrated chemistry analyzer, and yet it makes no compromise on the performance. It fits in various healthcare settings, especially in primary care. By bringing automated testing to more laboratories, it makes healthcare more accessible.

General Features

- ❖ Fully automatic, random access, STAT priority
- ❖ Compact size
- ❖ Built-in operation system with touch screen
- ❖ Up to 120 tests per hour
- ❖ 8 wavelengths with simultaneous dual-wavelength measurement
- ❖ 54 reagent positions and 27 sample positions
- ❖ 81 reusable reaction cuvettes
- ❖ Auto cuvette wash
- ❖ Water consumption ≤ 1 L/H
- ❖ Built-in thermo printer

WP 21A

Semi-auto Chemistry Analyzer



WP21A is a NEW generation semi-auto chemistry analyzer, one of the best among its kind. The compact analyzer integrates incubators and timers. The large color touch screen and the intuitive software make it more user-friendly. The innovated WP21A brings better user experience for small laboratories and make their daily job much easier.

General Features

- ❖ Kinetic, end point, two-point (fixed time), absorbance
- ❖ 7-inch color LCD with touch screen
- ❖ Built-in 10 incubators and 3 timers
- ❖ Flow cell and cuvette mode
- ❖ Real-time display of reaction curve
- ❖ Substrate depletion detection
- ❖ Reliable optical system with long life lamp
- ❖ Light source auto sleep function
- ❖ ARM series high speed micro CPU
- ❖ Large data storage $\geq 10,000$ results
- ❖ Built-in printer
- ❖ LIS connectivity

WP 21B/E

Semi-auto Chemistry Analyzer



WP21 series are classic and robust semi-auto chemistry analyzers. It provides reliable performance for small sized laboratories. It is compact and easy to maintain.

General Features

- High performance with accurate optical source and robust hardware
- Real-time reaction curve display
- Built-in thermal printer, auto & manual print
- Support LIS and barcode scanner
- Flowcell & cuvette modes

Differences

Model	WP21A	WP21B	WP21E
Operation	Touch screen	Touch screen & keypad	Keypad
Screen	Color	Monochrome	Monochrome
Incubator	10	N/A	N/A
Timer	3	N/A	N/A
Wavelength	7 wavelengths and one free position	7 wavelengths and one free position	6 wavelengths and two free positions

CS Reagents

Hepatic

- ALT/GPT (Alanine Aminotransferase)
- AST/GOT (Aspartate Aminotransferase)
- ALP/AKP (Alkaline Phosphatase)
- GGT (γ -Glutamyl Transferase)
- ALB (Albumin)
- TP (Total protein)
- CHE (Cholinesterase)
- D-BIL (Direct Bilirubin)
- T-BIL (Total Bilirubin)

Renal Panel:

- CREA (Creatinine, enzymatic)
- UREA (Urea)
- UA (Uric Acid)
- CO₂ (Carbon Dioxide)

Cardiac

- LDH (Lactate Dehydrogenase)

Diabetes

- GLU (Glucose, oxidase)

Pancreatitis

- α -Amylase (α -AMY)

Anemia

- Fe (Iron)

Lipids

- TG (Triglycerides)
- CHOL/TC (Total Cholesterol)
- HDL-C (High-density Lipoprotein Cholesterol)
- LDL-C (Low-Density Lipoprotein Cholesterol)

More reagents are under development, please contact the sales representative for details.





➤ GE500 is a quickest-to-the-best system that is fast and accurate, offering automation and reliable performance with minimal hands-on time. Its proven quality and easier operation give you a pleasant testing experience. It is perfect for small to medium sized labs.

➤ General Features

- ❖ Whole blood, serum, urine (diluted), other
- ❖ 7-inch color touch screen
- ❖ Minimum sample volume 80 ul
- ❖ Closed system, easy reagent management
- ❖ Multi-functional reagent pack with 2 years shelf-life
- ❖ Auto interior and exterior probe cleaning
- ❖ Liquid level detection
- ❖ Auto loader (optional) with 32 positions and built-in barcode scanner

➤ Various Combinations

- ❖ K⁺, Na⁺
- ❖ K⁺, Na⁺, Cl⁻
- ❖ K⁺, Na⁺, iCa²⁺
- ❖ K⁺, Na⁺, iCa²⁺, Cl⁻
- ❖ K⁺, Na⁺, iCa²⁺, pH, Cl⁻
- ❖ K⁺, Na⁺, Li⁺, Cl⁻
- ❖ K⁺, Na⁺, Li⁺, pH, Cl⁻
- ❖ K⁺, Na⁺, Li⁺, iCa²⁺, pH, Cl⁻

➤ Electrolyte Reagents

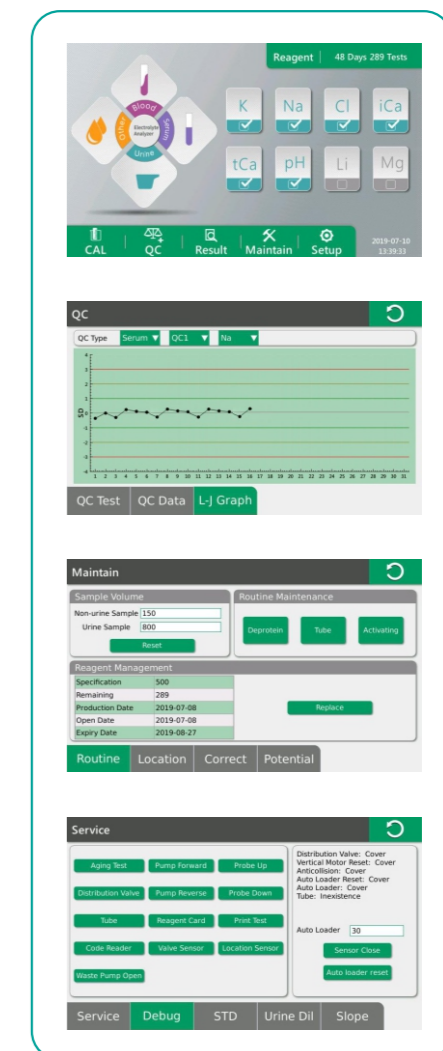
- ❖ GE-1 Reagent Pack (500T)
- ❖ GE-2 Reagent Pack (300T)
- ❖ 3-level QC (3×10mL)
- ❖ Urine diluent (50mL)

➤ Maintenance Reagents

- ❖ DS-ISE Filling Solution (10mL)
- ❖ DS-Ref-Filling Solution (10mL)
- ❖ Deproteinizer (50mL)



User-friendly UI



GE 300

Electrolyte Analyzer



➤ This easy-to-use GE300 electrolyte analyzer is not only highly efficient with 60 samples per hour, but it is also equipped with user-friendly software. It allows electrolyte tests to be easily performed in small laboratories.

➤ General Features

- ❖ 60 tests/hour
- ❖ 5.6-inch touch screen
- ❖ LCD colour touch screen
- ❖ Closed system with original reagents
- ❖ Real-time display reagent volume
- ❖ L-J graph for QC management
- ❖ Easy to maintain

➤ Various Combinations

- ❖ K⁺, Na⁺
- ❖ K⁺, Na⁺, Cl⁻
- ❖ K⁺, Na⁺, Cl⁻, iCa²⁺, TCa, pH
- ❖ K⁺, Na⁺, Cl⁻, Li⁺
- ❖ K⁺, Na⁺, C⁺, iCa²⁺
- ❖ K⁺, Na⁺, Cl⁻, iCa²⁺, pH, TCa, TCO₂, AG, KT

➤ Electrolyte Reagents

- ❖ DS-I (NO.3) STD A & STD B (390/160 mL)
- ❖ 3-level QC (3*10 mL)

➤ Maintenance Reagents

- ❖ Cleaning Solution (250 mL)
- ❖ PVC Electrode Activating Solution (50 mL)
- ❖ DS-ISE Filling Solution (10 mL)
- ❖ DS-Ref Ref. Filling Solution (10 mL)
- ❖ Deproteinizer (50 mL)

BA 600

Urine Analyzer



➤ BA600 is a compact semi-auto urine analyzer with touch screen, user-friendly software and built-in thermal printer. printer allows user to print results automatically.

➤ General Features

Principle	Dual wavelength reflectance method
Parameters	Glucose, Bilirubin, Ketone, Specific Gravity, Blood, pH, Protein, Urobilinogen, Nitrite, Leukocyte, Vitamin C
Sample type	Urine
Test mode	Auto, manual
Throughput	100 tests/hour
Wavelength	520nm, 640nm, 660nm
Display	5-inch touch screen
Memory	10,000 results storage
Dimension	360mm(D)×225mm(W)×160mm(H)
Net weight	2.5kg

➤ Test Strips



03 Specific Protein

PA.120 Fully-auto Specific Protein Analyzer

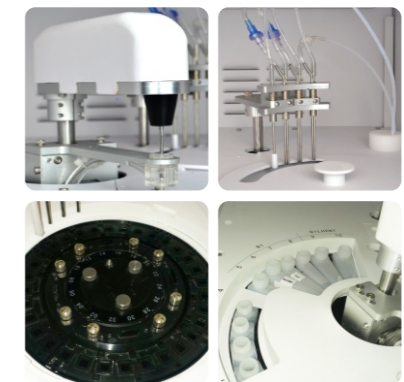



PA120 is an auto specific protein analyzer with high efficiency and accuracy. Based on proven nephelometry, PA120 has great performance. Also, the large touch screen, one-press operation and multi-item combinations will offer you a fast and convenient testing experience.

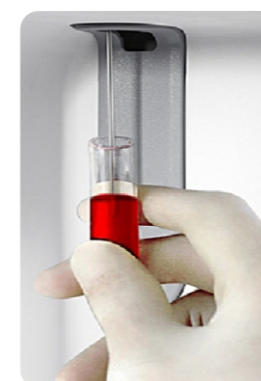
Product Features

- ❖ H.U.M.A.N. Solution
 - High-Efficiency&Sensitivity
 - User-friendly software&UI
 - Modular-Design
 - Accurate
 - Nephelometry
- ❖ Up to 60 tests/hour
- ❖ FDA Certified
- ❖ One-click, multi-results
- ❖ Comprehensive test menu

Reliable Hardware



One-press Operation



Powerful Software

ID	Item	Result	Response	Unit	Ref. Range	Test Time
16	hs-CRP	10.00	842	mg/L	0.50 - 10.00	11:20:19
15	hs-CRP	10.00	840	mg/L	0.50 - 10.00	11:19:19
14	hs-CRP	23.11 ↑	862	mg/L	0.50 - 10.00	11:18:19
13	hs-CRP	10.00	829	mg/L	0.50 - 10.00	11:17:19
12	hs-CRP	10.00	846	mg/L	0.50 - 10.00	11:16:19
11	hs-CRP	10.00	825	mg/L	0.50 - 10.00	11:15:19
10	hs-CRP	22.97 ↑	859	mg/L	0.50 - 10.00	11:14:19
9	hs-CRP	6.20	841	mg/L	0.50 - 10.00	11:13:19
8	hs-CRP	20.61 ↑	806	mg/L	0.50 - 10.00	11:12:19
7	hs-CRP	0.50	855	mg/L	0.50 - 10.00	11:11:19

Auto Specific Protein / 22
 Semi-auto Specific Protein / 23

PA. 50

Specific Protein Analyzer

PA. 54

Specific Protein Analyzer

FDA NGSP

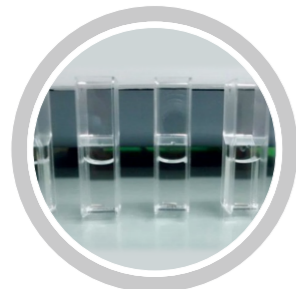


PA series are semi-auto analyzers for quantitative determination of specific proteins in blood and urine. It's an ideal instrument designed for small to medium sized labs.

Product Features

- ❖ FDA Certified
- ❖ 5.6-inch coloured touch screen
- ❖ Calibration by magnetic card to increase efficiency and avoid extra cost
- ❖ Built-in thermal printer to support auto & manual printing
- ❖ Support LIS and barcode scanner
- ❖ Comprehensive test menu

Test procedure



Step 1
Pipette the buffer into the cuvette



Step 2
Pipette the sample into the cuvette



Step 3
Pipette anti-serum into the cuvette

Model Difference

Model	PA50	PA54	PA120
Type	Semi-auto	Semi-auto	Fully-auto
Throughput	/	/	60 tests/hour
Test Channel	1	4	32
Operation	5.6-inch touch screen	5.6-inch touch screen	10.1-inch touch screen

Reagents

Applications	Item	Sample type
Diabetes monitoring	HbA1c	Whole blood
Inflammation, bacterial infection	CRP SAA	Whole blood/plasma/serum Whole blood/plasma/serum
Clotting monitoring	D-Dimer FDP	Plasma Plasma
Renal function	mALB Cys-C	Urine Serum/plasma
Rheumatoid monitoring	ASO RF Anti-CCP	Serum/plasma Serum/plasma Serum
Immunological disease	IgA/IgM/IgG/IgE/C3/C4	Serum/plasma
Cardiovascular disease	hs-CRP Lp-PLA2	Whole blood/plasma/serum Serum/plasma

Tests/Kit: 2×25T (semi-auto), 50T (auto)

*More items are under development, please contact sales representative for details.



04

POCT

Point Of Care Testing

FA.50 **FDA**
Quantitative Immunofluorescence Analyzer



FA50 is a simple, innovated and accurate POCT analyzer that certified by FDA. It is integrated with magcard calibration and capable to perform tests over different sample types including whole blood, serum and plasma. It uses immunofluorescence and provides reliable and quantitative results rapidly. This product is applicable in clinics and doctors' offices, as well as different hospital departments including ICU, CCU, etc.

General Features

Principle	Quantitative immunofluorescence
Incubation time	3-15 min
Measurement time	10 seconds
Sample type	Whole blood, serum, plasma
Calibration	Magcard
Memory	50,000 results
Input	5.6-inch touch screen
Output	Built-in thermal printer Support LIS and barcode scanner

Test Cassettes



Test Menu

Panel	Test	Panel	Test
Infection	PCT	Thyroid	T3
Diabetes	HbA1c		T4
	hs-CRP		TSH
Cardiac	cTnI	Hormone	β-HCG*
	Myo		LH*
	CK-MB		FSH*
	cTnI/CK-MB/Myo		PRL*
	NT-proBNP		PROG*
	D-Dimer		TESTO*

*More items are under development, please contact sales representative for details.