

> Technical Specifications

Principle	Nephelometry, Colorimetry
Throughput	Up to 200 T/H
Sample Positions	50, auto-loading sample rack
Reagent Positions	40
Cuvette	32 reusable cuvettes
Sample Type	Whole blood, serum, plasma, urine
Dilution Unit	1 independent dilution position
Sample Dilution	1:1 to 1:40,000
Measuring Temperature	36±0.5 C
Emergency Position	Independent STAT position
Barcode Scanning	Built-in barcode scanning for sample and reagent
Data Storage	150,000 sample results
Data Transmission	Bi-directional LIS or HIS transmission
Calibration	Magnetic card & calibrator, multi-point calibration
Wavelength	Nephelometry: 630nm~690nm; Colorimetry: 340nm, 405nm, 450nm, 510nm, 546nm, 578nm, 630nm, 700nm
Water Consumption	2.4 L/H
Interface	6 USB ports, 1 RJ45 port, 1 serial port
Weight	85 KG
Dimensions	650 mm × 680 mm × 650 mm



480  
Fully-Auto Specific Protein Analyzer



Dedicated Specific Protein Analyzer  
Every Lab Can Trust

All rights reserved. Specifications subject to change without prior notice

Version 2.0

Genrui Biotech Inc.

4-10F, Building 3, Geya Technology Park,  
Guangming District, 518106, Shenzhen, China  
+86-755-26678255 +86 755 26678789  
info@genrui-bio.com www.genrui-bio.com



> Product Features



Cost effective

- 32 reusable cuvettes, 1 independent reusable dilution position
- Reagent kit comes standard with calibrator and quality control
- One set of reagents for blood and urine samples
- Long life light source, reduce the frequency of replacement
- Low water consumption, only 2.4 L/H



Reliable performance

- Advanced nephelometry technology, offer higher sensitivity and precision
- Three-step efficient cleaning, avoid cross-contamination
- Highly sensitive liquid level detection, auto depth adjustment, dirty cuvette detection and probe clogging detection, ensure results accuracy
- 24 hours non-stop reagent cooling, ensures on-board reagent stability



Comprehensive test menu

- Specialized reagents for specific proteins
- Combined biochemistry items provides a comprehensive solution for kidney diseases



High efficiency

- Up to 200 tests per hour
- Auto-dilution and retest for high value samples without user intervention, dilution rate up to 1:40,000
- Continuously loading without interruption
- Independent STAT position



Easy operation

- One-step quality control and calibration, calibration and quality control will start automatically once the barcode is scanned
- Auto barcode scanning for primary sample tubes and reagents, minimizes manual steps
- 10.4-inch touch screen
- Intelligent software with intuitive navigation
- Bi-directional LIS or HIS transmission

> Test Menu

Applications	Item	Sample type
Renal Function	α1-MG	S/U
	β2-MG	S/U
	mALB	U
	CREA	S/P/U
	NAG	U
	RBP	S/U
	KAP	S/U
	LAM	S/U
	NGAL*	S/U
	CYS-C	S/P/U
	α2-MG*	S/U
	UTP	U
Rheumatism	ASO	S/U
	RF	S/U
	CCP	S
	CRP	S/P/W
Coagulation	D-Dimer	P
Immunoglobulin	IgG	S/U
	IgA	S/P
	IgM	S/P
	IgG4	S/P
	C3	S/P
	C4	S/P
Inflammation	CRP	S/P/W
	SAA	S/P/W
	HBP	P
Glycometabolism	HbA1c	W
	ADP*	S/P
Nutrition	TRF	S/U
Pneumonia	KL-6*	S/P

\* Upcoming  
Sample type: W-Whole blood, P-Plasma, S-Serum, U-Urine