



Fully automatic, discrete, STAT priority Throughput 600T/H for photometry tests, 1000 T/H with ISE Colorimetry, turbidimetry, ISE Test principle End-point, kinetics, fixed-time, etc. support single/double wavelength Analysis method Simultaneous analysis item 110 colorimetric items and 3 ISE items (K, Na, Cl optional)

Optical system	
Light source	20W/12V halogen lamps
Monochromator	Grating photometry
Photoelectron road	Rear spectrophotometry
Wavelength	340nm~800nm
Detector	Photodiode LED array
OD linear range	0~3.6Abs

115 sample positions
1.5μL~35μL, 0.1μL stepping
Standard cup, original blood tube, multi-specification
tube availabe (Φ 10~13) mm × (75~100) mm
code 128, code 39, code 93, I 2of5, UPC/EAN
Liquid level detection, clot detection and collision protection

Calibration and QC	
Calibration method	1 point linear method, 2 point linear method, multiple point linear
	method, non-linear method
Calibration tracking	Automatic description calibration K-value trends
QC method	Real-time QC, daily QC and monthly QC
Out of control processing	Alarming for out of control sample, record lost control reason

Reagent unit		
Reagent probe	Liquid level detection and collision protection	
Reagent volume	20μL~350μL, 1μL stepping	
Reagent position	Double reagent disk up to 112 positions	
Reagent barcode	Code128	

Operating system		V.
PC operating system	Windows 7/ Windows10 operating system	
Analysis control software	English version graphical operating software	
Report printing	Report formats support the user-defined mode	
	QC and state information etc.	
System connection	RJ45 network interface	

Reaction unit	
Reaction cuvette	120 positions optical plastic cuvettes
Total volume of reaction liquid	120µL~450µL
Reaction temperature	37°C±0.1°C
Reaction disk constant temperature	Circulating water
Mixing needle	Blending immediately after joining reagent
Reaction cuvette cleaning	7 stops 11 steps by warm water rinsing
Wastewater treatment	Two diffluence for high and low concentration waste water
	With the function of concentrated waste liquid level alarming

Others	
Volume	1060mm×790mm×1150mm(L×W×H)
Weight	300Kg
Power supply	Voltage AC 220±22V,50Hz±1Hz,power 2000VA





COMPACT SIZE WITH

DIRUI INDUSTRIAL CO.,LTD.

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·Specifications subject to change without notice.









EXCELLENT PERFORMANCE

- Automatically cuvette checkup ensure the cuvette clean
- Collision Protection

SAVE TIME AND COST

- Optical diameter 5mm
- Minimum reaction volume 120µL

HIGH RELIABILITY

- Large Absorbance Linear Range: Up to 3.6Abs
- High traceability with original reagents, calibrators and controls



SOFTWARE

DIRUI provides friendly software interface and easy-to-use for all staffs.

The result interface supports research results in real time, provides reaction analysis, and print result or transmit to LIS (Laboratory Information System). DIRUI refers to Westgards rules, and generates QC chart and QC statistics for reliable patients results. The monitor interface displays full sample test status real-time.



Search result easily by different conditions check the real time reaction process Print results and transmit result to LIS



Detect Reagent remain volume Automatically calculates the remain times. Online reagent refilling function



The Quality Control generates QC chart QC statistics and make it easy to identify QC errors.



Display full patient demographics. View the sample reaction status in real time.



THE ON-BOARD HEMOLYSIS FUNCTION

- NGSP certification of whole blood latex-agglutination method on analyzer
 Whole blood testing function for HbA1c to avoid artificial error
 Not necessary for centrifugation
 Automatically hemolysis function, easy operation and standardization for HbA1c test

HIGH CAPACITY

- Up to 115 elastic design sample positions, suitable for different size of tubes
 112 oblique design reagent positions for full use reagent to save reagent and cost

ACCURATE RESULT

- •340-800nm 12 wavelengths
- •Digital liquid level detection high sensitivity avoids bubbles' interference
- •Reagent inventory management, automatically calculate remaining volume and remaining number

REAGENT

Hepatic Panel	· ·
Alanine Aminotransferase	ALT
Aspartate Aminotransferase	AST
Alkaline Phosphatase	ALP
y-Glutamyl transferase	GGT
Cholinesterase	CHE
Total Bilirubin DSA Method	TB
Total Bilirubin VOX Method	TB-V
Direct Bilirubin DSA Method	DB
Direct Bilirubin VOX Method	DB-V
Bile Acids	TBA
Total Protein	TP
Albumin	ALB
Glutamate Dehydrogenase	GLDH
Iso-Citrate Dehydrogenase	ICDH
Leucine Aminopeptidase	LAP
Adenosine Deaminase	ADA
Prealbumin	PA
5'-Nucleotidase	5'-NT

Renal Panel	
Urea	BUN
Uric Acid	UA
Creatinine Enzyme Method	CRE-E
Cystatin C	CYS-C
MicroAlbumin	MALB
β2- Microglobulin	β2-MG
N-AcetylD-Glucosaminidase	NAG
Total Protein In Urine	TPU
Retinol-Binding protein	RBP
α1-Microglobulin	α1-MG

Immune Panel	
Immunoglobulin A	IgA
Immunoglobulin G	lgG
Immunoglobulin M	IgM
Complement C3	C3
Complement C4	C4

Pancreatitis Panel	
Amylase	AMY
Pancreatic Amylase	P-AMY
Lipase	LPS

Cardiac Panel		
reatinine Kinase	CK	
reatinine Kinase MB Isoenzyme	CK-MB	
actate Dehydrogenase	LDH	
-Hydroxybutyric dehydrogenase	HBDH	
lomocysteine	HCY	
ardiac Troponin I	cTnl	
lyoglobin Inorganic & Anemia	Mb	

	Inorganic & Anemia	
Calcium	Arsenazo III Method	Ca-ARS
Calcium	O-Cresolphthalein Complexone	Ca-CPC
Chloride		CL
/lagnesium		Mg
norganic Phosphorus		PHOS
Carbon Dioxide		CO,
inc		Zn
on		Fe
otal Iron-Binding Capacity		TIBC
ransferrin		TRF
erritin		FER

Lipid Panel	
Cholesterol	TC
Friglycerides	TG
High Density Lipoprotein-Cholesterol	HDL-C
ow Density Lipoprotein-Cholesterol	LDL-C
Apolipoprotein A1	APOA1
Apolipoprotein B	APOB
ipoprotein (a)	LP(a)

Rheumatism Panel			
Anti Streptolysin O	ASO		
Rheumatoid Factor	RF		
C-Reactive Protein	CRP		

Diabetes Panel				
Glucose	Oxidase Method	GLU-OX		
Glucose	Hexokinase Method	GLU-HK		
Glycohemoglobin A1C		HbA1c		
Fructosamine		FMN		