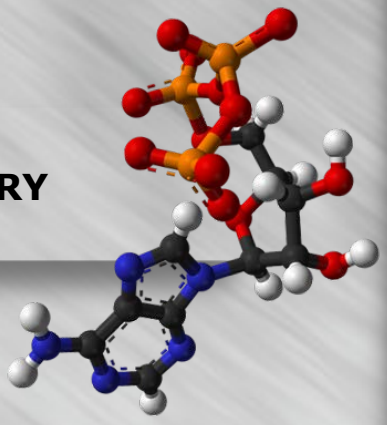
CUBI-530

Full automatic biochemistry analyzer

LABORATORY

BIOCHEMISTRY



- *Random access, discrete, fully automatic, STAT priority*
- *300T/H(single/double reagent)*
- *Friendly interface, easy operation*
- *Stable system supported by multiple patents*
- *50nm polished probe, full digital intelligent liquid level detection and collision protection*
- *Intelligent resource management, remote maintenance*
- *Reagent bottle designed uniquely, residual volume less than 0.3ml*
- *Multi-language support*

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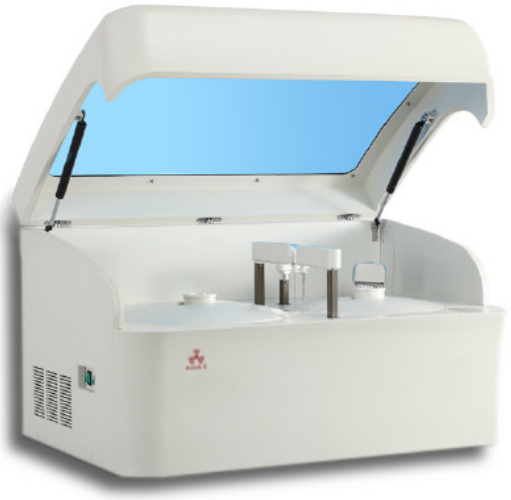


Cod. CUBI-530

Sample / Reagent system

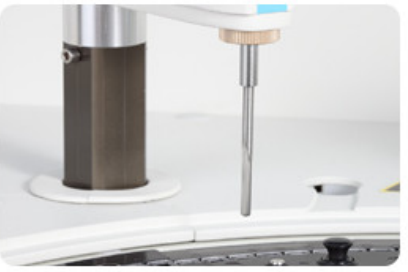
- Syringe assembly innovatively designed extend the working life by 50%, accurate postion.
- Unique square lead rail simple structure, accurate position, long working life and low break down.
- Liquid level detection and collision protection.
- Refrigerated reagent disk.
- Automatic washing both interior and exterior.

Reaction system

- 120 recyclable cuvettes.
- 7-step auto washing and low carry-over.
- Thermostat technology ensures temperature is 37°C, the temperature control variation is ±0.1°C

Mix system

- Unique square tead rail simple structure, accurate position, long working life and low break down.
- The surface of stirrer is pollished to avoid liquid suspension and reduce cross-contamination.



Photometry system

- 20W/12V long life light source
- Reaction cuvette with resistance against acid and alkali
- Easy maintenance

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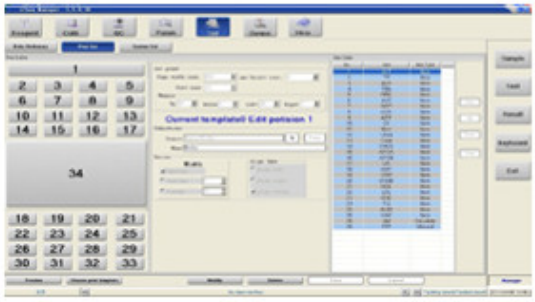
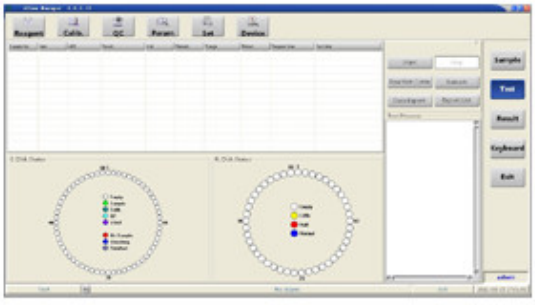
Operating software

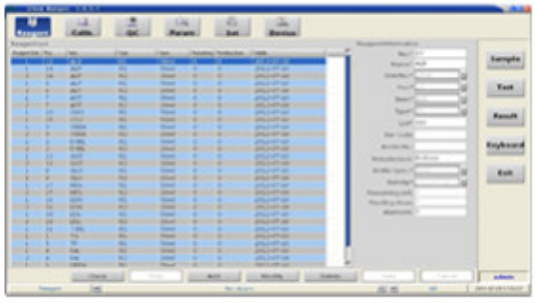
- Friendly interface and convenient operation
- Prevent C(QSS-contamination procedure
- Print format can be defined freely
- Real-time help documents
- Support multi-language



- Real-time reaction curve.
- The position of starting cuvette can be defined freely, each cuvette can be used in balance.

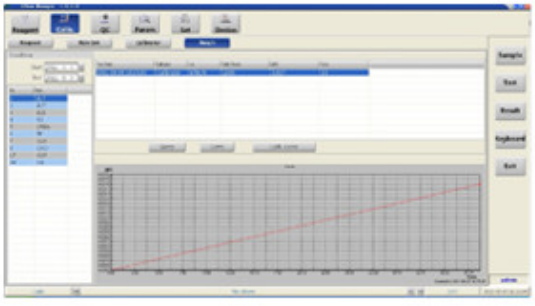


- Test quantity can be calculated according to current reagent volume before testing.
- Reagent residual can be monitored, analyzed and alarmed real-time.



QC and Calibration

- Automatic calibration.
- Support Westgard multi-rule, L-J plot.
- QC poslion and calibration position can be defined freely.
- Support multiple QC request modes (Control liquid/Item).
- Support multiple QC test by composite control liquid.



LABORATORY

Technical Specifications

System Function	
Throughput	300 T/H (single/double reagent)
Analysis method	Two-point, end-point, kinetic
Analysis item	200 colorimetric items
Sample system	
Sample position	60, discretionary QC & Standard position
Sample probe	1 independent probe
Sample cup specification	Standard cup ø12x37mm Blood tube ø12x100mm Plastic tube ø12X100mm, ø13X100mm
Sample volume	2~100µl 0,1~1µl stepping
Sample probe technology	Liquid level detection and collision protection
Sample probe cleaning	Automatic washing both interior and exterior
Reagent system	
Reagent position	45, Refrigerated reagent disk
Reagent probe	1 independent probe
Reagent volume	10-500µl 0.5~1µl stepping
Reagent bottle	50ml, 20ml
Reagent probe technology	Liquid level detection and collision protection
Reagent probe cleaning	Automatic washing both interior and exterior
Reaction system	
Reaction position	120 optical cuvettes
Cuvettes specifications	5,8mm optical diameter
Reaction volume	180~500µl
Reaction temperature	37°C, ± 0,1°C
Mixing stirrer	1 mixing stirrer
Wastewater treatment	Waste liquid level alarming
Reaction cuvette cleaning	7-step auto washing
Optical system	
Light source	20W/12V halogen lamps
Spectrophotometry	Reversed
Wavelenght	340nm, 405nm, 450nm, 510nm, 546nm, 578nm, 630nm, 700nm (2 optional)
Absorption range	0~5.0 Abs
Resolution	0.0001 Abs
Calibration and QC	
Calibration method	1-point linear, 2-point linear, multiple point linear, non-linear method, Logit-tog4P Logit-LogSP, Spline, Exppnential5p, Polynomial5p and Parabola
QC method	Real-time QC, days QC & day QC
Control rule	Westgard multi-rules, L-J plot
Operating system	
Operating system	Windows XP/ Windows 7
Interface	Standard RS-232
Language	Multi-language
Working conditions	
Power supply	AC110~220V, 50/60Hz, 600W
Temperature	15~30°C
Humidity	35-80%
Water consumption	10L/hour
Dimensions	1015x760x620mm
Net weight	105KG

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ISO 9001
ISO 13485

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