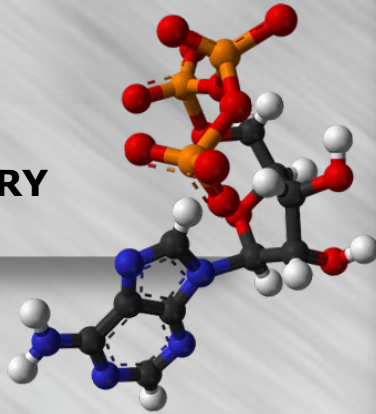




CUBI-520

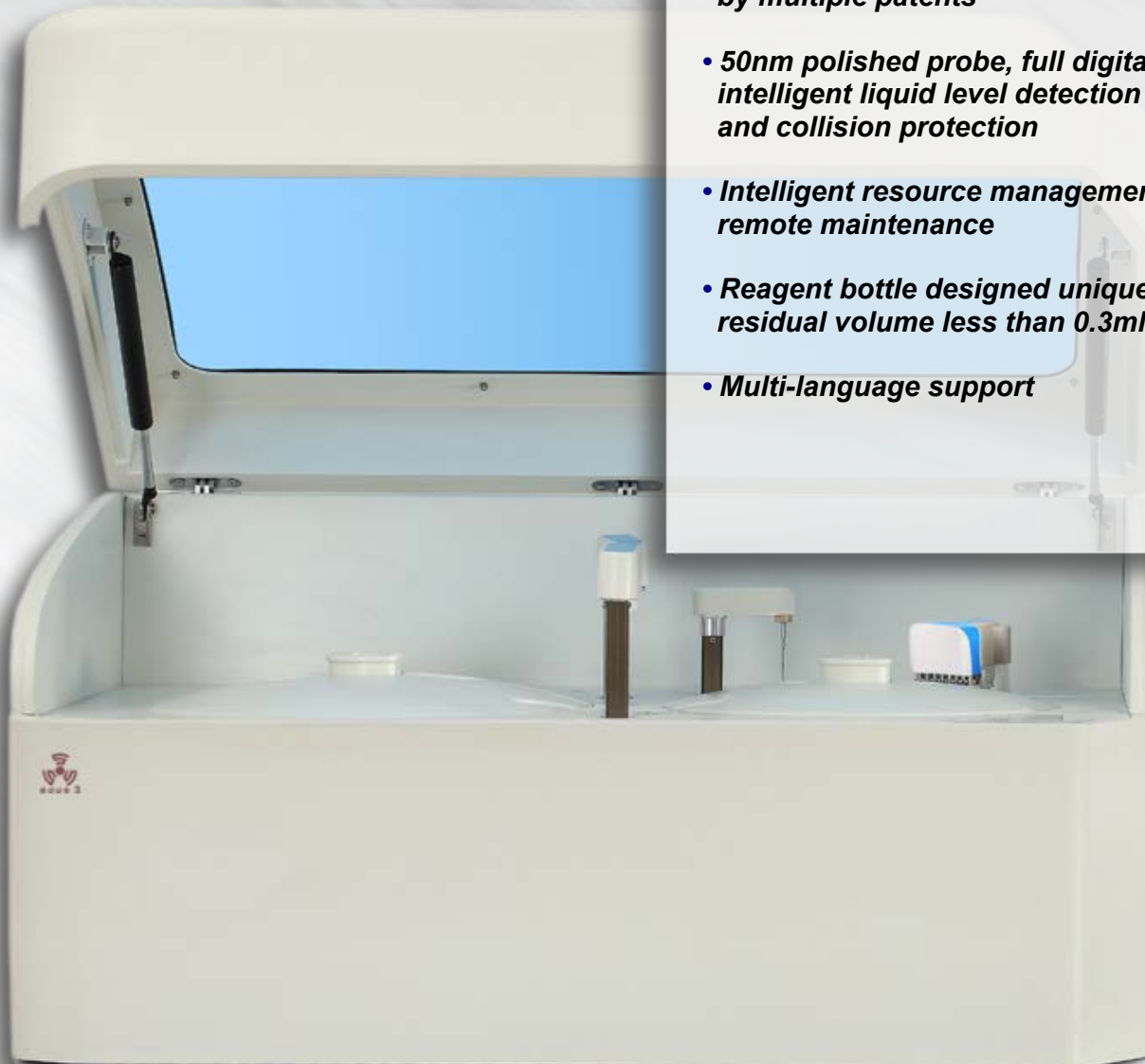
Full automatic biochemistry analyzer

BIOCHEMISTRY



- *Random access, discrete, fully automatic, STAT priority*
- *200T/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*

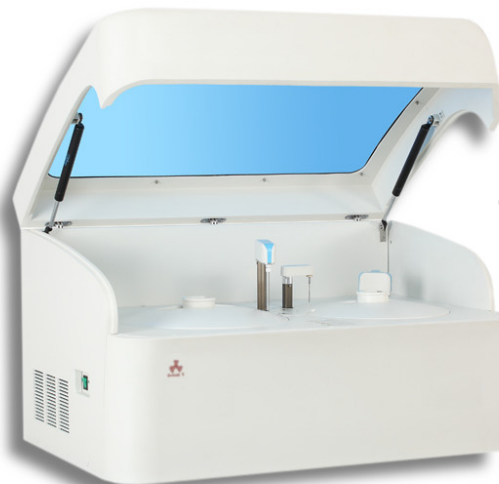
LABORATORY





CUBI-520

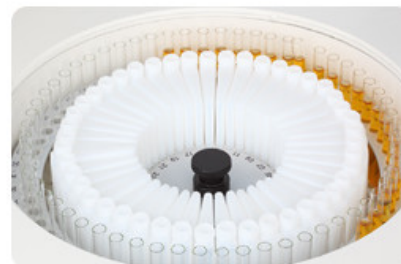
Full automatic biochemistry analyzer



Cod. **CUBI-520**

Sample / Reagent system

- Syringe assembly innovatively designed extend the working life by 50%, accurate position.
- 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 that ensures a temperature of 37°C, the control temperature variation is $\pm 0.1^\circ\text{C}$



Mix system

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



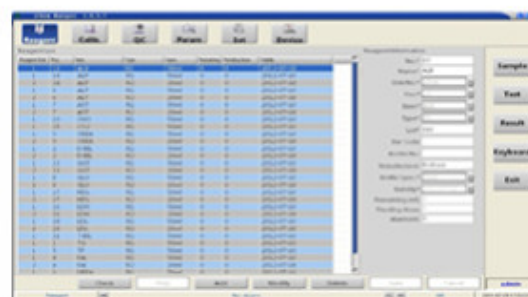
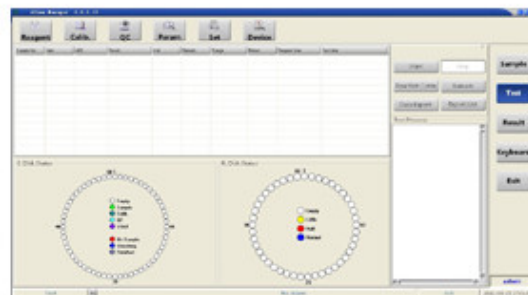
Photometry system

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



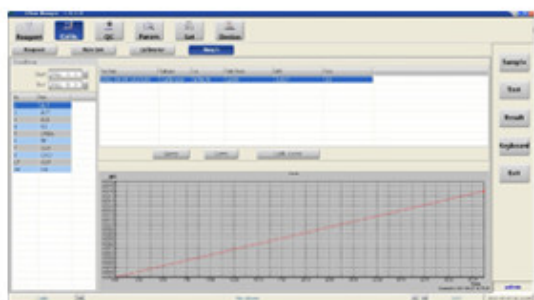
Operating software

- Friendly interface and convenient operation.
- Real-time reaction curve.
- Support reaction curve data export.
- The position of starting cuvette can be freely defined, each cuvette can be used in balance.
- Real-time multiple alarm function.
- Retest support, automatic final result storage.
- Repeat test, automatic storage of each result.
- Multiple test results review (sample/item).
- Batch test results export.
- The test quantity can be calculated before testing, according to the current reagent volume.
- Reagent residual can be real-time monitored, analyzed and alarmed.
- Intelligent resource management.



QC and Calibration

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



Technical Specifications

System Function	
Throughput	200 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 \varnothing 12x37mm
	Blood tube \varnothing 12x100mm
	Plastic tube \varnothing 12X100mm
Sample volume	2~100 μ l 0,1 μ l 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	10-500 μ l 0.5 μ l stepping
Reagent bottle	20ml, 50ml
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	180~500 μ l
Reaction temperature	37°C, \pm 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
Wavelength	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-Log5P, Spline, Exponential5p, 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	7L/hour
Dimensions	1015x760x620mm
Net weight	97KG



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