

LCA 450 / 800

Fully Auto Chemistry Analyser



High throuput 450 T/h with ISE 630 T/h

High throuput 800 T/h with ISE 980 T/h



FEATURES AND ADVANTAGES:

- Fully automated random access descreat chemistry analyser
- Model - LCA 450 1 sample disk for 104 sample positions including caliberators / controls / STAT 1 wash station
- Model - LCA 800 2 sample disk for each 105 sample positions including caliberators / controls / STAT 2 washing stations
- On-board hemolysis function HbA1c Test
- Optical system : Defraction grating with 16 wavelegths (Optical Splitters)
- User friendly convenient software, Automatically test error correcting function
- Intelligent control and calibration management functions, improve QC and efficiency
- Innovative gas/bubble eliminator
- Automatic maintenance function, presicly reduce failure and maintenance work
- Innovative probes of liquid level detection and high sensitivity to avoiding carry over

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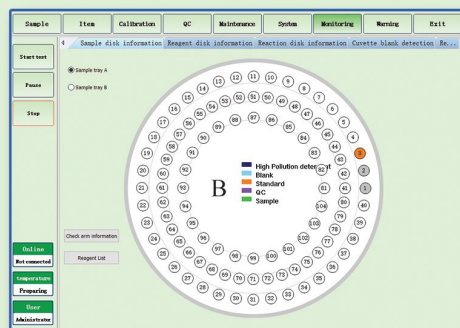
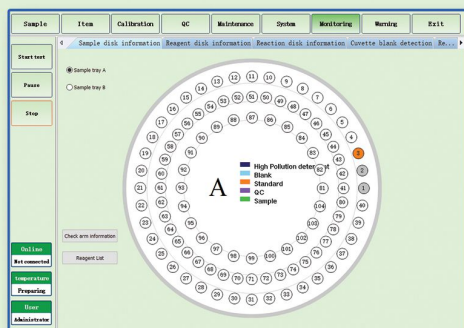
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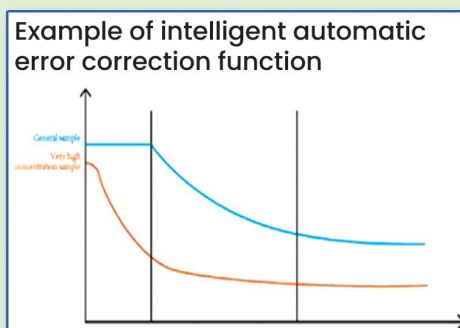
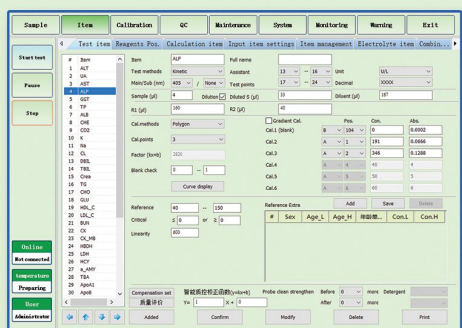
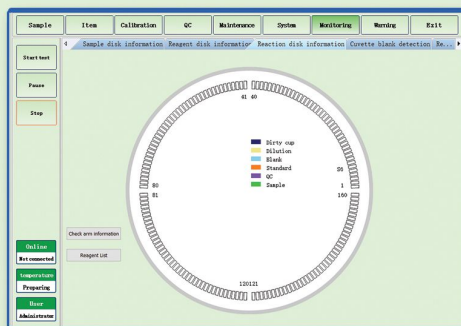
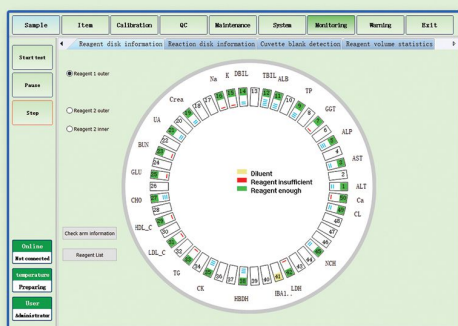
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Fully Auto Chemistry Analyzer

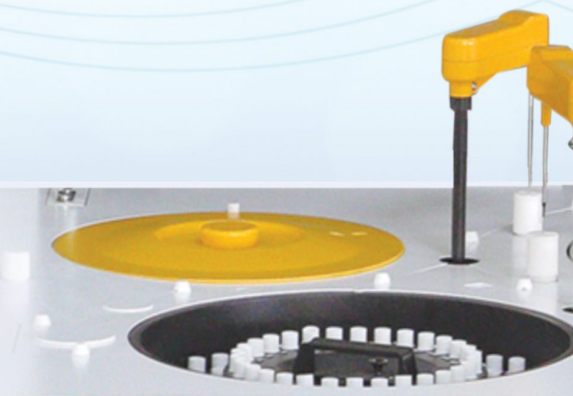
User-friendly software and more perfect design



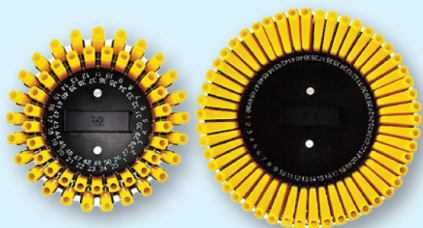
Software with AI function design to ensure device operation more reliable and efficient, reduce the difficulty of operation and maintenance, more convenient. Multiple languages available on request.



Innovative and patented gas/bubble eliminator



Reagent chamber/reagent tray



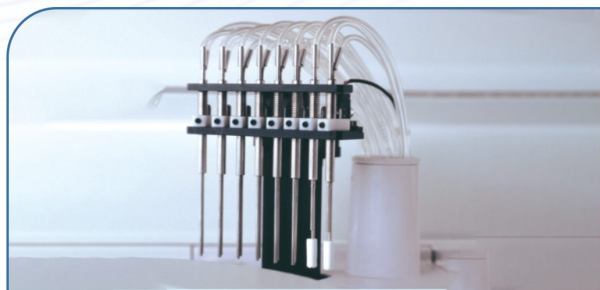
100 reagent positions (R1, R2),
double reagent disk positions
24 hour non-stop refrigeration (2-8°C)

Innovative reagent/sample probes



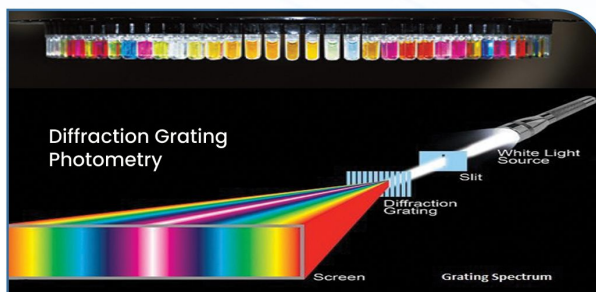
Innovative sample probe,
high sensitive liquid detection,
also with anti-collision with
clot detection functions.

Advance and reliable automatic washing design



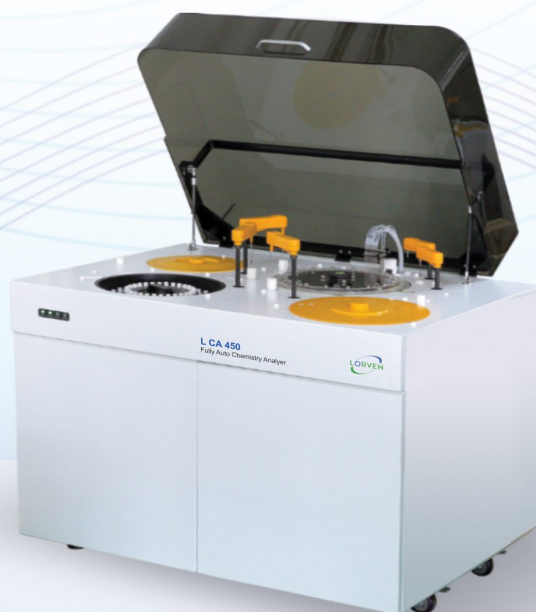
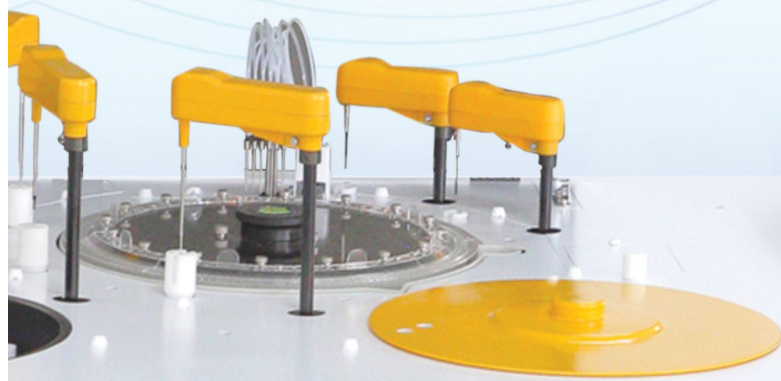
Adopt 8 channels automatic washing mode,
wash cuvettes automatically, auto zero setting &
deduct/record blank value for each cuvette.
More washing times for cuvette of high pollution
items to ensure clean thoroughly.

Cuvettes



High quality and long-life UV-transmitted plastic
cuvettes, lower consumption and lower cost.
Quartz glass cuvettes available on request.

340nm-850nm, diffraction grating photometry
system equipped with 16 filters.



TECHNICAL SPECIFICATIONS

Model	LCA-450	LCA-800
Throughput	450 tests/hour (without ISE) 630 tests/hour (with ISE)	800 tests/hour (without ISE) 980 tests/hour (with ISE)
Sample Position	104 positions.1 sample tray. Including standard, control and STAT	2x104 positions.2 sample trays. Including standard, control and STAT
Sample type	Serum, plasma or urine in cup or primary tube available	
Assay Type	Random access(discrete) with direct reading system	
Methodology	End point, Kinetic, Fixed time, Immunospectrophotometry, Single wavelength, Bichromatic, Multi-standard, Reagent blank, Serum blank etc.	
Sample Volume	1-100ul, 0.1ul/step	
Reagent Volume	1-500ul, 0.1ul/step	
Reagent Position	100 positions: R1:50, R2:50. Reagent chamber 24 hour non-stop refrigeration at 2-8°C	
Reagent/Sample Probe	With liquid level sensor, collision protection, automatically reagent residue detecting	
Syringe	With high precision and durable ceramic core	
Cuvette	160 high quality UV-transmitted plastic cuvettes, and quartz glass cuvettes available on request	
Thermostatic System	Direct warm incubation system	
Wavelength	300nm-850nm, diffraction grating photometry with 16 wavelengths with (Optical splitter)	
Refrigeration System	Semiconductor refrigeration and water circulation cooling design to ensure stable refrigeration, energy saving and lower noise	
System Function	24-Hour on line, STAT, automatic pre-dilution and retest, automatic standby, reagent open system	
Standard	Linear, Non-linear, Multi standard, K factor; Logarithmic, 3P, 4P, SP etc.	
Washing	10 channels automatic cuvettes washing system, high pollution item automatically washing function, very well avoid carry over tomatically washing function, very well avoid carry over	
Alarm	Automatic alarm for malfunction (collision, reagent/sample insufficiency, full waste container, water insufficiency etc.)	
Light Source	Halogen lamp, water cooling technology extending longer life	
Absorbance Drift	<0.002	
Temperature Drift	+0.1°C	
Absorbance Range	-0.100-3.500Absnt	
Mixing System	Two independent mixers	
Control/Calibration	With patented auto control and calibration management function	
Data Storage	More than 5000 items and 2 million results can be edited and stored	
Software	Stronger and more convenient software with multiple languages	
Printer	Multiple report formats available	
Network Connection	HIS and LIS available	
Power Supply	220V or 110V, 50Hz or 60Hz	
Dimension	122x89x112(cm) 135x91x112(cm)	
Weight	400.00kgs 450.00kgs	

AUTHORIZED DISTRIBUTOR

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