

# Chemistry Analyzer Fully Automatic

## BA-A-380



- ◆ Constant 300 test / hour with double reagent
- ◆ Up to 70 reagent positions
- ◆ Automatic liquid level sensing, anti-collision protection.
- ◆ Integrated full closed optical system, multi wavelength simultaneous detection.
- ◆ New amorphous optical plastics reaction cups, perfect transmittance.
- ◆ Maintenance-free semiconductor solid-state refrigeration.
- ◆ Friendly surface and easy to operation

## Multifunctional precision sampling probe

- ◆ External & internal mirror polish, external & internal probe washing
- ◆ Equipped with sensitive liquid sensor, which can provide timely feedback of reagent & sample residuals.
- ◆ Anti-collision protection, automatic adjustment of probe depth.



## Excellent mixer design

- ◆ Teflon coating mixer. No water dropping (reducing carry-over)
- ◆ Excellent mixing effect with standard mixing procedure



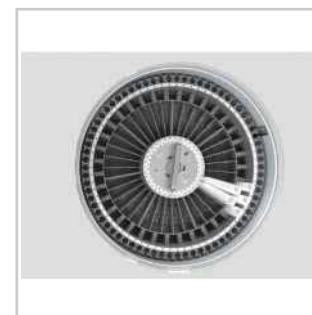
## High precision ceramic syringe

- ◆ Permanent ceramic piston
- ◆ Accurate dispensing as low as 0.1  $\mu$ l



## Reagent & sample tray

- ◆ 70 reagent positions
- ◆ 70 sample positions, micro cup & test tube can be used
- ◆ Non-stop cooling system with peltier pad inside, 24 hours 2°C-14°C
- ◆ Bar code reader(optional)



## Reaction tray

- ◆ 90 reaction cuvettes
- ◆ Reaction volume as low as 150 $\mu$ l
- ◆ Stable & accurate temperature (37 $\pm$ 0.1°C) for reaction



## Advanced operating system

- ◆ User friendly software interface simple, easy-to-operation
- ◆ Automatic sample dilution(decrease, increase, normal).
- ◆ Automatic reaction result checking and warning, automatic calibration result checking, with warning log.
- ◆ Linear & nonlinear calibration, Multi-points calibration up to 8 points
- ◆ Quality control apply to westgard, L-T plot, cumulative



Technical specifications

General information	
Machine type	Random access, open reagent & locked reagent (optional)
Test speed	Constant 300 tests/hour (Mono reagent or double reagent)
Test principle	Colorimetric method, turbidimetry
Test method	1 point end, 2 point end, Fixed-Time, Kinetics
Calibration type	Linear & nonlinear

Sample unit	
Sample tray	70 sample positions
Sample tube	Micro cup & test tube & blood collection tube can be used. (φ12 -13 )mm ×(25-100 )mm
Sample volume	2-30μl step by 0.1μl
Sample probe	Liquid surface detection, timely tracking for liquid volume. Collision avoidance
Sample barcode	Sample barcode reader (optional)

Reagent unit	
Reagent tray	70 reagent positions (40 for R1 & 40 for R2), Non-stop cooling system with peltier pad inside, 24 hours 2°C-14°C, open system, could accept any reagent.
Reagent volume	20-300μl, step by 1μl
Reagent needle	Liquid surface detection, timely tracking for liquid volume. Collision avoidance.
Regent barcode	Regent barcode reader (optional)

Reaction unit	
Reaction tray	90reaction cuvettes, new amorphous optical plastics reaction cups, perfect transmittance.
Reaction volume	150 μl-330 μl
Reaction time	10 minutes
Temperature	Peltier pad incubation system, reaction temperature(37°C ±0.1 °C)

Mixing system	
Mixer	paddle-type mixing, effective reducing of carry-over

Optical system	
Light source	Halogen lamp
Wavelength	340nm; 405nm; 450nm; 505nm; 546nm; 578nm; 630nm;700nm(4 more options)
Absorbance range	0-4.0 Abs
Resolution	0.0001 Abs

Operating system	
Operation system	Windows XP, Windows 7, Windows 8, Windows 10
Data processing	Automatic calibration, test combination, effective time management of reagents, serum index, whole process detection, linear expansion of enzyme, blank deduction,dirty cuvette memory, cross infection prevention, patient information memory and association input, automatic report audit, data fuzzy query, report statistics and printing, reference range grading, alarm information classification, user operation privilege classification management.
Report printing	6 formats optional, support custom pattern
Interface	TCP/IP network interface

Working conditions	
Language	Chinese, English, Russian, French, Spanish, Portuguese.Other language is optional.
Power supply	AC 110/220V ± 10%, 50/60 Hz, 650W
Water consumption	12L/hour(maximum)
Dimension	920mm×650mm ×1120mm(L×W×H)
Weight	170kg