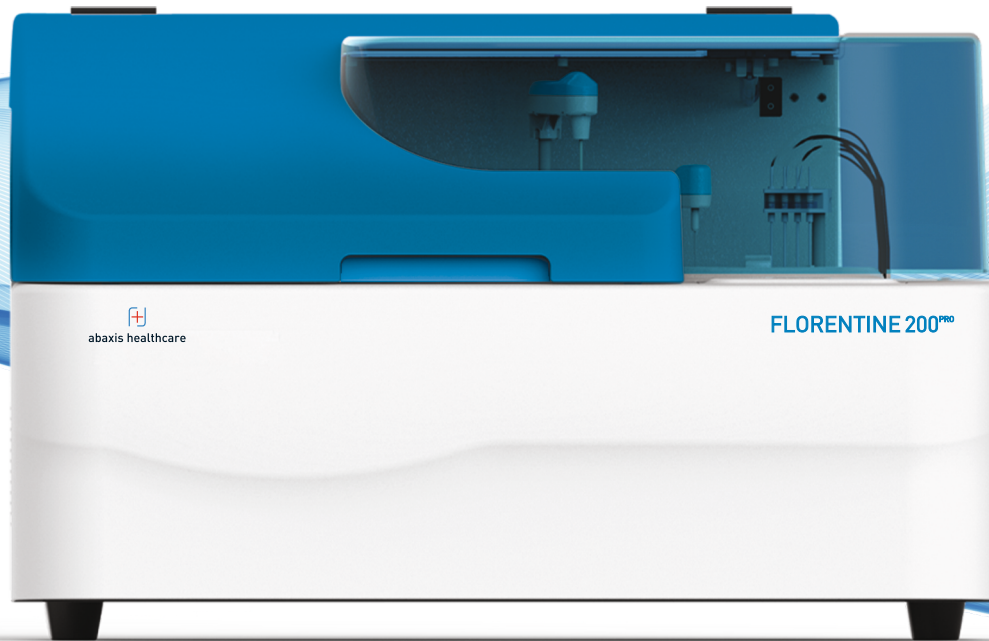




abaxis healthcare

FLORENTINE



# FLORENTINE 200<sup>PRO</sup>

## Fully Automatic Chemistry Analyzer

- Constant 200 test / hour with double reagent
- 80 reagent positions
- Automatic liquid level sensing, anti-collision protection
- Integrated full closed system, multi wavelength simultaneous detection
- New amorphous optical plastics reaction cups, perfect transmittance
- Maintenance free semiconductor solid state refrigeration
- User friendly operating software



### Multi functional precision sampling probe

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- External & internal mirror polish, external & internal probe washing
- Dedicated sampling probe equipped with sensitive liquid sensor, timely feedback of reagent & sample residuals
- Collision protection, automatic probe depth adjusting



### Excellent mixer design

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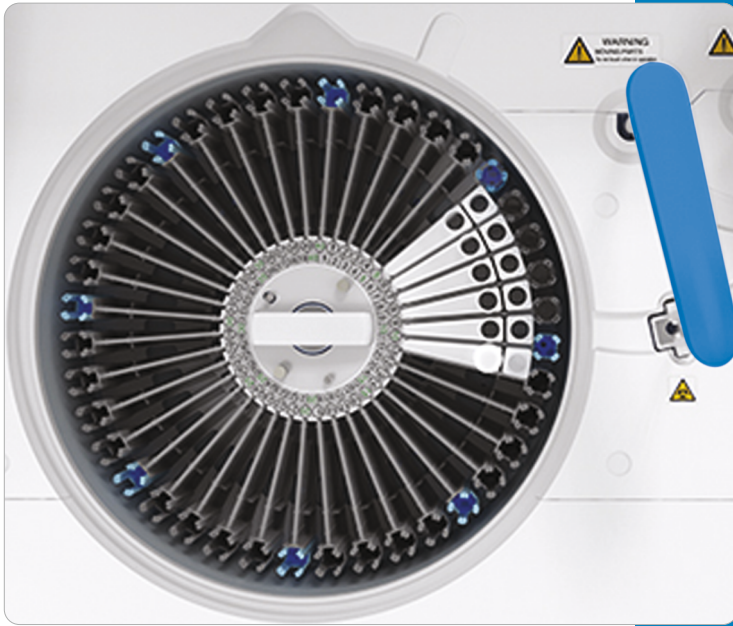
- Teflon coated mixer. No water dropping (reducing carry-over)
- Excellent mixing effect with standard mixing procedure



### On-board laundry

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- Equipped with 4 probes and 3 x 4 stage on-board laundry with drying steps for each cuvette
- Maintenance free pumps for better economy
- Cuvette verification facility to ensure optical perfection of cuvettes



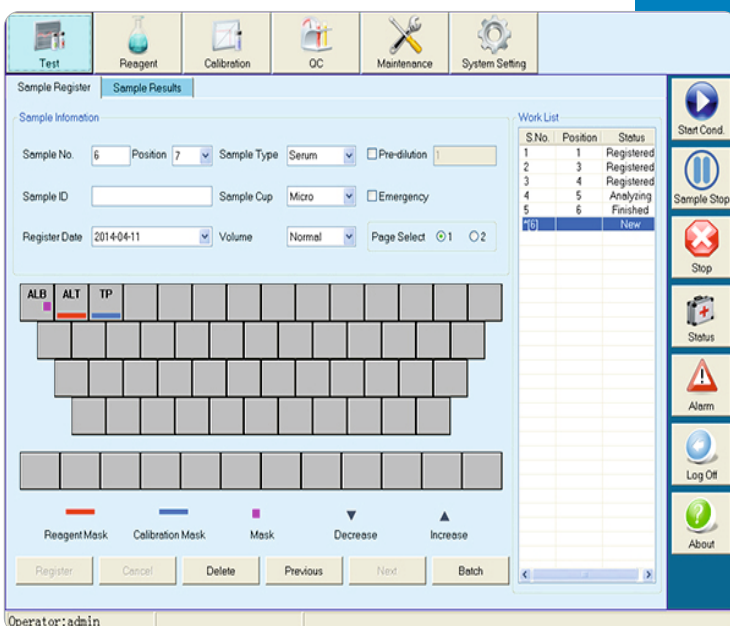
## Reagent & sample tray

- 80 reagent position (40 for R1, 40 for R2) 40 Sample position, 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

- 44 reaction cuvettes  
Reaction volume as low as 150µl
- Stable & accurate temperature (37±0.1°C) for reaction



## Advance operating system

- User friendly software interface simple, easy-to-operation Sample automatic dilution (decrease, increase, normal)
- Reaction result automatic checking and warning, calibration result automatic checking, warning alarm log
- Linear & nonlinear calibration, Multi-points calibration up to 8 point
- Quality control apply to westgard, L-T plot, cumulative

# FLORENTINE 200<sup>PRO</sup>

## Fully Automatic Chemistry Analyzer

### Technical specifications

#### General information

Machine type	Random access, open reagent system
Test speed	Constant 200 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	40 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	80 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
Reagent barcode	Reagent barcode reader (optional)

#### Reaction unit

Reaction tray	44 reaction cuvettes, new amorphous optical plastics reaction cups, perfect transmittance
Reaction volume	150μL -330μL
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
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#### Optical system

Light source	Halogen lamp
Wavelength	340nm; 405nm; 505nm; 546nm; 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	TCTP/IP network interface

#### Working conditions

Power supply	AC 110/220V 10%, 50/60 Hz, 650W
Water consumption	4-8 L / hour
Dimension	870mm x 690 mm x 740 mm
Weight	80 Kg

