

PKL PPC 300U

Automatic Chemistry Analyzer

| Specifications |

Assay methods: End Point, Kinetic, Fix time etc.

Principle: Photoelectric colorimetry

Light Source: Halogen lamp 12V/20W

Photometry range: 0~3.2Abs

Resolution: 0.0001Abs

Wavelength: 10 wavelengths optional (340nm~800nm)

Throughput: 300tests/hour

Reagent tray: 59 reagent positions, 1 detergent position

Sample tray: 71 sample positions, including detergent, standard, QC, STAT positions

Reaction tray: 120 reaction cuvettes

Sample volume: 2~100ul, with 0.1ul increment

Reagent volume: R1:10~500uL, R2: 10~500uL,with 0.5uL increment

Minimum reaction volume: 180uL

Maximum reaction time: 10 minutes

Water Consumption: 6L/hour under working status

Clean unit: 8-step auto-washing system with detergent and 37°C water

Calibration: Calibration reset, select best test point by reaction curve, no need second calibration
Line/non-line;multi-standards assay

Control rules: Westgard multi-rule, Cumulative sum check, Twin plot
3 level controls for each ifem,analyxing and printing QC analysis diagram

Temperature control: incubator 37 ± 0.1°C

Power supply: AC110/230(1 ± 10%)V,50/60Hz,500VA

Ambient: Operating temperature: 10~30°C

Relative humidity: ≤85%

Atmospheric pressure: 86~106kPa

| Features |

- ✔ 24 hour non-stop cooling system to ensure reagent at 2-8°C
- ✔ Dual-unattached durable ceramic syringes to ensure accuracy & precision
- ✔ Collision protection in both vertical and horizontal directions, stop & alarm automatically once touching barrier, not affect former tests
- ✔ Automatic eligible cuvettes detection & selection
- ✔ Select best test point by reaction curve, create new factor automatically
- ✔ High accurate optical system
- ✔ Support LIS interface



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- Random access, 300 tests per hour
- Dual-unattached durable ceramic syringes
- Unattached probe,high-performance mixer
Select best test point by reaction curve, create new factor automatically
- Support bi-direction LIS interface

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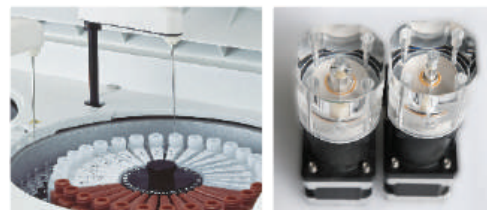
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Accurate Sampling (Sample/Reagent) System

- ✔ Collision protection
- ✔ Liquid level detection
- ✔ Internal and external probe washing
- ✔ Probe depth adjustment automatically



High performance mixer design



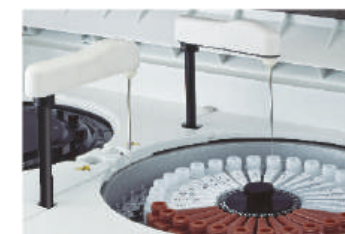
- ✔ Absence of cross contamination
- ✔ Optimal homogenization in minimum time
- ✔ Mixing immediately after dispensing of sample and the second reagent

Stable Optical System



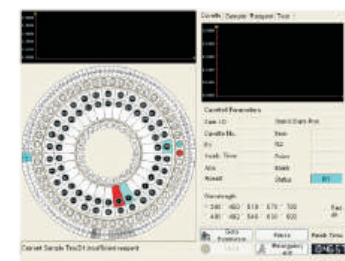
- ✔ High accurate, close, static state optical system
- ✔ Spot photometry with high speed digital transmission system
- ✔ Durable cuvettes
- ✔ 8-step auto-washing system with detergent and deion-water to ensure cuvettes clean and decrease cross contamination
- ✔ 120 reaction cuvettes located in a constant temperature incubator
- ✔ Low consumption, open reagent design

Multi-function sample/reagent tray



- ✔ 60 reagent positions, support 25mL, 50 mL reagent bottle type.
- ✔ 71 sample positions including routine, stat, control and standard
- ✔ Various primary tubes and special cups can be used
- ✔ Up to 20 virtual sample tray can be programmed
- ✔ 24 hours nonstop cooling system with peltier element

Dynamic and real time display of running status



- ✔ Running status of reagent tray, sample tray and reaction tray
- ✔ Real time monitoring of reagent residual volume
- ✔ Intelligent carry over setting to adjust test sequence, STAT test priority
- ✔ Probe depth adjustment automatically
- ✔ Real time monitoring of reaction curve
- ✔ Real time diagnosis of system working status