

PKL PPC 200U

Automatic Chemistry Analyzer



- Random Access, up to 200 test/hour
- 24 hour non - stop cooling system to ensure reagent at 2-8° C
- High accuracy optical system
- 60 reagent positions & 71 sample positions
- 120 reaction cuvettes
- Clean unit 8 step auto washing system with detergent



Specifications

- Assay methods: End Point, Kinetic, Fix time etc.
- Principle: Photoelectric colorimetry
- Wavelength: 340nm\405nm\450nm\492nm\510nm\546nm\578nm\630nm\700nm\800nm
- Reagent tray: 60 reagent positions (include 1 detergent position, 1 dilution position)
- Sample tray: 71 sample positions, including detergent, standard, QC, STAT positions
- Reaction tray: 120 reaction cuvettes
- Reagent volume: R1: 10~500uL, R2: 10~500uL, with 0.5uL increment
- Water Consumption: Less than 5L/hour under working status
- Clean unit: 8-step auto-washing system with detergent
- 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 item, analyzing and printing QC analysis diagram
- Power supply: AC 230(1±10%)V, 50/60Hz, 500VA
- Ambient: Operating temperature: 10~30°C
Relative humidity: ≤ 85%
Atmospheric pressure: 86~106kPa
- Photometry range: -0.5 ~ 6 Abs
- Light Source: Halogen lamp 12V/20W
- Resolution: 0.0001
- Throughput: up to 200 tests/hour
- Minimum reaction volume: 180uL
- Maximum reaction time: 10 minutes
- Temperature control: incubator 37± 0.1°C

Features

- 24 hour non-stop cooling system to ensure reagent at 2-8°C
- Durable ceramic syringes to ensure accuracy & precision
- High accurate optical system
- 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
- Support LIS interface



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



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