

General feature

Fully automated, random access, open system Up to 240 T/ H (Without ISE)
Wash and non-wash system both available 81 special plastic cuvettes, quartz optional 24 hours reagent cooling system 40 reagent positions and 40 sample positions Full-sealed matrix spectrometric system Barcode reader and internal PC optional



Auto adjustment for gain
Rear spectrophotometry by filter
Halogen-tungsten lamp with 2000 hours' lifespan
8 wavelengths from 340-670nm, precision ±2nm
Simultaneously dual wavelength detection
Silent water cooling design avoid heat interference



Simplified liquid system
Branded components ensure high quality
Separated outflow for concentrated waste
Easy maintenance
Low water consumption: <5L/H



High polished nano material sample probe
Liquid level detection, collision protection
Auto-depth adjustment
High accuracy ceramic syringe
Built-in degasser ensured precise sampling
Washed by alkaline wash solution
Maintenance free rotor with stable movement

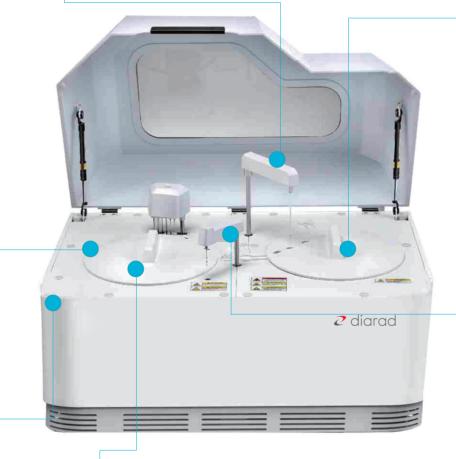


Locker design for reagent/sample disk rotation 40 positions for reagent, compatible with Olympus and Hitachi bottles

24 hours refrigerator, 4-12℃

Noise free water cooling design

40 positions for sample, compatible with regular sample tube/cup, vacuum tube, plastic tube, etc Optional barcode reader





81 cuvettes

Semi-permanent plastic cuvette

Optional quartz cuvette

Constant solid heating

Reaction temperature: 37±0.1℃

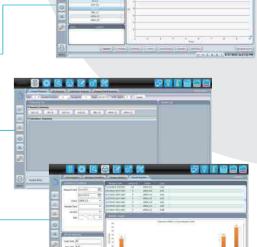
Reaction volume 150-500ul



High-polished nano material
6-step auto washing station
Wash cuvettes with wash solution
Auto wash probe and mixer
Intelligent anti-contamination program



User-friendly software Compatible with Win7/Win8



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Specifications

System Function:

General: Automatic, Discrete, Random Access

STAT sample priority

Throughput: Up to 240 tests/hour (without ISE)

Colorimetric, Turbidimetry

Principles: End-point, Fixed-time, Kinetic

Methodology: Linear/non-linear multi-point calibration
Programming: Open system, closed system on demand

Reagent/Sample Handling:

Reagent/Sample tray: 40 reagent positions, 40 sample positions

in cooling compartment (4~12°C)

Reagent volume:

R1: 150~450ul, step by 1 ul
R2: 10~300ul, step by 1 ul
Sample volume: 2~50ul, step by 0.1 ul

Reagent/Sample probe: Liquid level detection and tracking,

vertical & horizontal collision protection

and inventory checking

Probe cleaning: Automatic washing of interior and exterior

Carry-over < 0.1%

Automatic dilution: Pre-dilution and post-dilution

Dilution ratio up to 1: 200

Optical System:

Light Source: Halogen-tungsten lamp

 ${\bf Photometer:} \hspace{1.5cm} {\bf Free\ maintenance\ sealed\ photometer,}$

rear spectrophotometry by filter

Wavelength: 8 wavelengths: 340nm, 405nm, 450nm,

510nm, 546nm, 578nm, 630nm, 670nm

Absorption range: 0~3.5 Abs (10mm conversion)

Reaction System:

Cuvette: Rotating tray, containing 81 cuvettes

Semi-permanent plastic cuvette

Reaction volume: 150~500ul Reaction temperature: 37°C±0.1°C

Mixing System: Standalone mixing bar Cuvette Washing: 6-step wash station

Control and Calibration:

Calibration mode: Linear, Logit-Log 4P, Logit-Log 5P,

Spline, Exponential, Polynomial

Control software: Westgard multi-rule, Cumulative sum

check, Twin plot, L-J Chart
Operation system: Windows 7/ Windows 8

Interface: RS-232

Power Supply: AC 100~240V, 50/60Hz, 350VA

Temperature: $10-30^{\circ}$ C Humidity: 30-85% RH

Dimension: 855mm (W) x550mm (D) x580mm (H)

Weight: 75









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