

Specifications

System Function	Category	Random access, fully automatic chemistry analyzer
	Throughput	Constant throughput 100t/h
	Methodology	End point, Fixed Time, Kinetic
	Reagent	Closed or Open system
	Reagent Position	20-40 positions (20 fixed+20 interchangeable)
	Sample Position	20 positions (interchangeable)
	Minimum Reaction Volume	150uL
	Carryover	<0.01%
	Water Consumption	Low to 3.6L/Hour
	Maximum Reaction Time	18.6 minutes (Single reagent), 13.2 minutes(Dual reagent)
	Maximum Reaction Volume	400uL
	Principle	Colorimetry, Turbidimetry
	Sample Mode	Random access, STAT sample priority
	Sample Volume	2-50uL, step by 0.1uL
Sample Reagent Probe &Mixer	Sample Disk	20 positions (interchangeable)
	Sample/reagent Probe	One probe for sample and reagent with liquid level detection, collision protection and reagent volume real time monitoring function
	Sample Tube	Regular sample tube, Vacuum tube, eppendorf tube, plastic tube, etc.
	Reagent Volume	R1:150-450uL, R2:10-300uL, step by 1uL
	Reagent Disk	20-40 positions (20 fixed+20 interchangeable), 24 hours cooling, 4-12°C
Reaction System	Reagent Bottles	Compatible with Olympus and Hitachi reagent bottles
	Mixer	High polished nano material mixer(Tentative)
	Reaction Cuvettes	50 cuvettes, semi-permanent rigid UV special plastic cuvettes
	Wash Station	4-cleaning needles auto wash station
	Reaction Temperature	37±0.1°C
Optical System	Heater	Metal thermostat for reaction disk
	Lamp	Halogen Tungsten lamp, about 2000hours
	Filter	FMSS(Full-sealed Matrix Spectrometric System)
	Wavelength	8 wavelengths: 340,405,450,510,546,578,630,670nm(800nm, 700nm and 670nm optional)
	Resolution	0.0001Abs
	Linearity Range	0-3.5Abs(340nm),0-4.0Abs(510nm)
	Accuracy	0.5A: < ± 0.02Abs, 1.0A: < ± 0.04Abs
	Stray Light	>4.5
	Stability	<0.01Abs/10 minutes
	CV	<1.5%
Cal&QC	Center Wavelength Deviation	≤ ±2nm
	Detector	Photodiode detector array
	Calibration Mode	One point linear, two point linear, multi-point linear, Logit-4P, Logit-5P, spline, exponential, polynomial
	Calibration Curve	Calibration curve auto check, auto curve fitting
	QC Rule	Westgard multi-rule. Cumulative sum check, Twin Plot
	QC Curve	Westgard multi-rule, Cumulative sum check, Twin Plot
	QC Warning	Out of control auto warning, data automatic record and analysis
Software	Data Storage	Decided by Internal memory capacity
	LIS Interface	Bi-LIS interface
	Print Mode	Multi default formats, user-defined formats
	System Monitor	Real time monitoring for sample disk, reagent disk, reaction disk. Real time monitoring for QC status.
		Real time monitoring for reaction cuvettes status, lamp status and temperature. Real time monitoring for reagent volume, reaction curve, calibration curve and QC curve. Linearity range limitation, substrate exhaustion judgement and prozone detecting. Abnormal status warning.
	Other Function	User authority setting, test panel function, calculated/manual parameters programming, carryover setting, sample and reagent blank auto calculation, automatic failure recovery, automatic print, data statistic, auto/manual dilution test, auto retest.
	PC Configuration	Empedded computer
	Operating System	Windows
	Monitor	10.4-inch touch screen
	Dimension	595mm(L)x548mm(D)x539mm(H)
Others	Power Supply	AC 100-240V, 50/60Hz ± 1Hz, ≤350VA
	Net Weight	40Kg
	Optional Parts	Barcode reader, External printer

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