iHETO

AU120

Auto Chemistry Analyzer

Precise,Compact and Stable

Specifications

System Function	Category	Random access, fully automatic chemistry analyer
	Throughput	Constant throughput 90t/h
	Methodology	End point, Fixed Time, Kinetic
	Reagent	Closed 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 1.8L/Hour
	Maximum Reaction Time	20.67 minutes (Single reagent), 14.67 minutes(Dual reagent)
	Maximum Reaction Volume	400uL
	Principle	Colorimetry, Turbidimetry
Sample Reagent Probe &Mixer	Sample Mode	Random access, STAT sample priority
	Sample Volume	2-50uL, step by 0.1uL
	Sample Disk	20 positions (interchangeable)
	Sample/reagent Probe	One probe for sample and reagent with liquid level detection, vertical and horizontal 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℃
	Reagent Bottles	Compatible with Olympus and Hitachi reagent bottles
	Mixer	High polished nano material mixer(Tentative)
Reaction System	Reaction Cuvettes	50 cuvettes, semi-permanent rigid UV special plastic cuvettes
	Wash Station	4-cleaning needles auto wash station
	Reaction Temperature	37±0.3℃
	Heater	Metal thermostat for reaction disk
	Lamp	Halogen Tungsten lamp, about 2000hours
Optical System	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%
	Center Wavelength Deviation	≤ ±2nm
	Detector	Photodiode detector array
Cal&QC	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 programing, carryover setting, sample and reagent blank auto calculation, automatic failure recovery, automatic print, data statistic, auto/manual dilution test, auto retest.
Others	PC Configration	Embedded computer
	Operating System	Linux
	Monitor	10.4-inch touch screen
	Dimension	500(L) x 640(D) x 450(H)
	Power Supply	AC 100-240V, 50/60Hz ± 1Hz, ≤350VA
	Net Weight	30Kg
	Optional Parts	Barcode reader, Water purification module, External printer

Non-final product specifications, subject to product release!

Shenzhen Heto Medical Tech Co.,Ltd.

Room 1313, 1314 (13th floor, Room 1301-1315,Unt E, Building No. 3,Yunzhi Science Park, Shuangming Road South Side. Donazhou Community,Guangming Street, Guangming District, Shenzhen City, 518107, China

+86-755-28935967 +86-755-28937587 sales@hetomedical.com www.hetomedical.com