300T/H Auto Biochemistry Analyzer-CRYSTAL

TECHNICAL PARAMETERS

Overall Performance	Model	BK400(CRYSTAL)
	Type	Discrete, fully automatic
	Throughput	300 Tests per hour
	Analysis Method	End-point, Fixed-time, Rate, Turbidimetry
	Certificate	CE, FDA, ISO9001, ISO14001, ISO13485
Sample Unit	Sample Position	60 sample positions, including calibration, quality control and STAT.
	Sample Volume	2ul~50ul (0.1ul stepping)
	Sample Probe	Teflon coated, with liquid level sensor, with anti-collision function
	Probe Cleaning	Automatic washing both interior and exterior
Reagent Unit	Reagent Position	45 low-temperature refrigerated reagent position
	Reagent Volume	R1: 20 ~ 350ul, R2: 10 ~ 150ul (1ul stepping), supporting reagent from different brand
	Temperature Control	Continuous 2℃~8℃ cooling within 24 hours
	Reagent Probe	Teflon coated, with liquid level sensor, with anti-collision function.
	Probe Cleaning	Automatic washing both interior and exterior
	Analysis Items	Analyzing maximally 45 items at the same time
Reaction Unit	Reaction Time	10-15minutes Temperature Control 37℃±0.1℃
	Cuvette	120 reusable reaction cuvettes (optical path length 6mm)
	Mixer	After adding reagent and sample, blending immediately
	Washing	Automatic water cleaning and drying system
	System Adjustment	System can record the blank value and get more accurate result by deducting blank base value of each cuvette
Optical System	Light Source	12V/30W halogen-tungsten lamp, 2000 hours
	Receiver	8 precision photo receivers
	Wavelength Range	340, 405, 450, 510, 546, 578, 630, 700nm
	Linear Range	0.000~2.500Abs
Calibration and QC	Calibration	One-point, two-point, multi-point, factor
	Quality Control	Inserting quality control at random, with QC chart for checking
Software	STAT Function	Emergency sample can be placed in the sample tray at any time
	Software	Windows 7/8/10 or above, LIS system available.
	Data Processing	With reaction curve detection and data display function in the whole process.
Others	Power Supply	110/220V±10%, 60/50Hz
	External Size(W*D*H)	1056*815*1100mm
	Package Size(W*D*H)	1168*908*1288mm
	Net/Gross Weight	130kg/185kg

FEATURES

1. 60 Sample positions.
2. 120 Reaction cuvettes(reusable).
3. 45 Refrigerated reagent positions.
4. Auto 7-step cuvettes washing system.
5. 300 tests per hour with STAT function insert sample timely.
6. One sample probe, one reagent probe, with anti-collision function.