550T/H Auto Chemistry Analyzer
BK-500 (DIAMOND)



Features:

①. 90 Sample positions.

②. 120 Reaction cuvettes (reusable).

③. 90 Refrigerated reagent positions (R1:45 & R2:45).

④. Auto 7-step washing system.

⑤. 550 tests per hour with STAT function.

⑥. One sample probe, two reagent probes, Anti-collision function.

⑦. Liquid level detection function, real-time display reagent volume.



Reaction Tray

37°C±0.1°C, real-time monitor.



Mixer Probe

Teflon coating to avoid cross contamination.



Reagent Tray

2°C~8°C cooling for 24 hours.



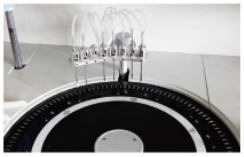
Sample Probe

Liquid level sensor function.
Anti-collision function.
Reagent volume real-time detection.



Software

User-friendly software.



Washing Probe

Independent 7-step washing system.

Parameters:

Model	BK-500 (DIAMOND)	
Overall Performance	Type	Random, Discrete, fully automatic
	Test Speed	550Tests/Hour
	Analysis Method	End-point, Fixed-time, Rate, Two-points, Turbidimetry
	Certificates	CE, FDA, ISO9001, ISO14001, ISO13485
Sample Unit	Sample Positions	90 sample positions, including calibration, quality control and emergency
	Sample Volume	2μl~70μl (0.1μl stepping)
	Sample Probe	Liquid level detection function
	Probe Washing	Automatically wash interior and exterior
	Analysis Items	Analyzing maximally 45 items at the same time
Reagent Unit	Reagent Positions	R1: 45, R2: 45, total 90 refrigerated reagent positions
	Reagent Volume	20~350μl (1μl stepping)
	Temperature Control	2˚C~8˚C cooling for 24 hours
	Reagent Probe	Liquid level sensor function
	Probe Washing	Automatically wash interior and exterior
Reaction Unit	Temperature	37˚C±0.1˚C, real-time monitor
	Cuvettes	120 reusable reaction cuvettes (optical path length 6mm)
	Mixer Probe	After adding reagent and sample, mix immediately
	Washing	Automatically cuvettes washing
	System Adjustment	System can record the blank value and get more, accurate results by deducting blank base value of each cuvette
Optical System	Light Source	12V/30W halogen-tungsten lamp, 2000 hours lifetime
	Receiver	8 precision photo receivers
	Wavelength Range	340, 405, 450, 510, 546, 578, 630, 700nm
	Linear Range	0.000~3.000Abs
Calibration and QC	Calibration	One-point, two-point, multi-point, factor, logit-4P, logit-5P, spline
	Quality Control	Inserting quality control at random
Software	STAT Function	Emergency samples can be placed in the sample tray at any time
	Computer System	Windows 7/8/10, LIS system available
	Data Processing	Reaction curve and data display function
Others	Power Supply	AC110/220V±10%, 60/50Hz
	Consumption	750w
	Package Size(W*D*H)	1348*928*1399mm(Machine) 678*624*548mm(Accessories)
	Gross Weight	360kg