QUALITY ANALYZERS

Fully auto Biochemistry Analyzer, BA-A-200

- 180 tests per hour
- 30 positions for samples and 60 positions for reagents
- Sample capacity: 2-30µl, 0.1µl increasing

Description

1. Discrete, random access, fully automated
2. Up to constant 180 tests per hour
3. Optional for external bar code reader
4. 30 positions for samples and 60 positions for reagents
5. Automatic probe cleaning, liquid level detection, collision protection
6. Reversed optic system with 8 wavelengths
7. Refrigerated reagent and sample compartment

Specifications

Analysis system	
Working mode	Discrete/random access
Test speed	test speed 180T/H (without ISE)
Test principle	Absorbance photometry, Turbidimetry
Methodology	End-point, Fixed-time, Kinetic, Single/Dual reagent chemistries, monochromatic/bichromatic Linear/non-linear multi-point calibration
The longest reaction time	15 minutes
Minimum reaction volume	150μl
Cuvettes material	plastics (quartz glass can be selected), 81 cuvettes have the function of automatically deducting reagent and sample blanks
Linear range of absorbance	0-3.8Abs
Halogen light source using time	≥ 2000 hours
Wavelength：	340nm、405nm、450nm、510nm、546nm、578nm、630nm、670nm
Refrigeration system	water medium uniform refrigeration technology
Reagent storehouse temperature	4-16°C
Reaction temperature	37±0.2°C

Temperature fluctuation	±0.1℃
Sampling and mixing system	
Sample capacity	2-30μl, 0.1μl increasing
Sample probe	Sharing with the reagent probe, the inner and outer walls are highly polished, with the function of liquid level detection, tracking and collision protection, sample probe matching special cleaning liquid, prevent cross contamination
Reagent capacity	20-300μl, 0.1μl increasing
Reagent probe	Sharing with the sample probe
Reagent bottle	Reagent bottles with volume of 15ml、 20ml、 30ml、 50ml、 60ml 、 70ml can be used, the dead volume is less than 1ml
Mixing bar	Independent mixing bar, special material, surface treatment using Teflon, not hanging liquid, thoroughly clean before and after mixing to prevent cross contamination
Reagent/sample Handing	
Reagent/sample tray	60 positions for reagents and 30 positions for samples in refrigerated compartment (4~16℃)
Reagent volume	20-500μl, step by 1μl
Sample volume	2~100μl, step by 0.1μl
Reagent/Sample probe	Liquid level detection, collision protection and inventory checking

Probe cleaning	Automatic washing for both interior and exterior Carry-over < 0.1%
Calibration and quality control	
Quality control type	real time quality control, daily quality control, day to day quality control
Quality control charts	L-J, Cumulative, Twin Plot
The quality control rules	arbitrarily formulated by default to Westguard multiple rules
The calibration type	linear and nonlinear. Logit-4P, Logit-5P, Spline, exponent, polynomial, factor method
Calibration	Automatically check the calibration curve and select the best calibration type of the fitting degree automatically
Operating System	
English operating system：	Windows2000、 windows XP、 windows7、 windows8、 windows10
Report printing	Make print format and content freely, provide several common formats
user management	Special user management password, rational distribution of user operation permissions
Interface	RS-232 standard interface, support for intranet, remote print report
Databases	Optional various databases, autosave, automatic backup, save all kinds of data permanently

	Real-time monitoring of sample tray、 reagents tray、 reacting tray；Real-time display of reaction temperature, reagent allowance, reaction curve, calibration curve and quality control chart
	Check and judge reaction endpoint, reaction linear interval, substrate exhaustion, reagent blank absorbance, etc.
Language	English