Automatic Chemistry Analyzer

SL180

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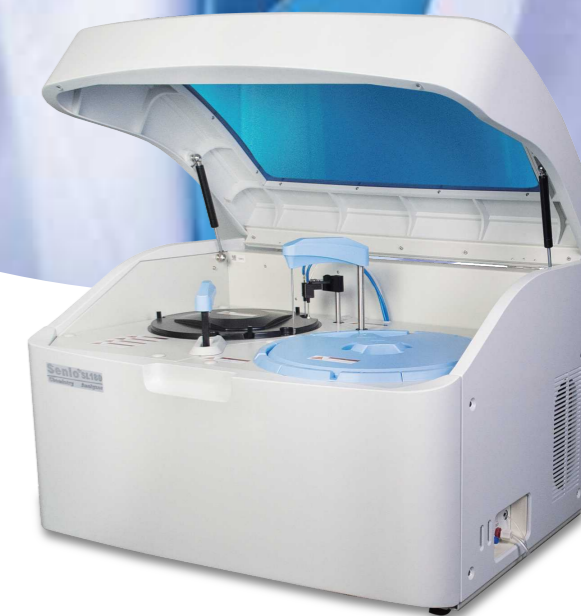
Analysis system

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 life time   2000 hours
Wavelength: 340nm 405nm 450nm 510nm 546nm 578nm 630nm 670nm
Refrigeration system: water medium uniform refrigeration technology
Reagent storehouse temperature: 4-16
Reaction temperature: 37±0.2
Temperature fluctuation: ±0.1

Working Conditions

Temperature: 10 ~30
Humidity: 85%
Maximum Water Consumption: 12L
Power Supply: 200~240V 50/60HZ 600W
Dimension: 834mm(w)×643mm(D)×756(H)
Net weight: 65KG
Gross weight: 98KG

Senlo WEB

Senlo®

Discrete, random access, fully automated

Up to constant 180 tests per hour

Optional for external bar code reader

30 positions for samples and 60 positions for reagents

Automatic probe cleaning, liquid level detection, collision protection

Reversed optic system with 8 wavelengths

Refrigerated reagent and sample compartment

Product features

Operating System

English operating system: Windows2000 windows XP windows7 windows8 windows10

Make print format and content freely, provide several common formats

Special user management password, rational distribution of user operation permissions

RS-232 standard interface, support for intranet, remote print report

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.

Reagent/sample Handing

Reagent/sample tray: 30 sample positions and 60 reagent positions in cooling system (4~16)

Reagent/Sample probe: Liquid level detection collision protection and real-time volume check

Probe cleaning: Automatic washing for both internal and external Carry-over < 0.1%

Reaction cuvettes cleaning system

Using unique high efficiency water cleaning method, low carry-over

Sampling and mixing system

Sample volume: 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 volume: 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

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 are arbitrarily formulated by default to Westguard multiple rules

The calibration type : linear and nonlinear. Logit-4P, Logit-5P, Spline, exponent, polynomial, factor method

Automatically check the calibration curve and select the best calibration type of the fitting degree automatically