



- Constant 200 T/H, 350 T/H with ISE
- Bench-top compact design
- 30 sample positions, 60 reagent positions and 48 reaction cuvettes
- Air bath heating incubation system
- 24 hours non-stop, 2~8°C constant ice-free cooling system
- High accuracy filters optical system
- Probes & washing arm collision protection
- User-friendly software, easy operation
- Bi-directional LIS/HIS

### Minimize Operator Time

- Real-time monitor temperature, distilled water and waste
- One-key pause sample & reagent disk during testing to add new samples and reagents
- Integrated inner bar code reader for sample & reagent

### Increase Productivity

- 350 T/H with ISE module
- 48 reaction cuvettes and 20 dummy sample trays
- 62 on-board parameters

### Guarantee High Quality Results

- $37 \pm 0.1^{\circ}\text{C}$  reaction incubation by air bath heating system
- 2~8°C, 24 hours non-stop sample and reagent cooling system
- 0.25  $\mu\text{L}$  variable sampling accuracy
- 12 wavelengths and free maintenance high resolution filters optical system

## Instrument Specification

### Instrument Specification

<b>Instrument Type</b>	Fully automatic random access chemistry analyzer
<b>Throughput</b>	Constant speed 200 T/H, 350 T/H with ISE
<b>Testing Method</b>	One-point end, two-point end, rate (kinetic), two points rate, mono/double wavelength, eliminate reagent and sample blank, immunoturbidimetry
<b>STAT Function</b>	Emergency samples can be added during routine test

### Sample System

<b>Sample Disk</b>	30 sample positions (including routine sample, calibration, QC and STAT positions), support primary tubes and sample cup
<b>Collision Detection</b>	Probes and washing arm collision protection
<b>Sample Probe</b>	Inner & outer high polished probes with low carry over Liquid level detection Volume tracking function during aspiration
<b>Sample Volume</b>	2~80 $\mu\text{L}$ , variable in 0.25 $\mu\text{L}$

### Reagent System

<b>Reagent Disk</b>	60 positions compatible with several types of bottles
<b>Cooling System</b>	Independent 2~8°C 24 hours non-stop cooling system
<b>Washing System</b>	Warm water washing for both inner and outer of the probes
<b>Reagent Probe</b>	Inner & outer high polished probe with low carry over Reagent volume tracking function during aspiration
<b>Reagent Volume</b>	25~480 $\mu\text{L}$ , variable in 0.25 $\mu\text{L}$

### Optical System

<b>Light Source</b>	Long life halogen lamp 12V/20W
<b>Optical System</b>	High resolution filters with 12 wavelengths 340nm, 405nm, 450nm, 492nm, 510nm, 546nm, 578nm, 630nm, 660nm, 700nm, 750nm, 800nm

### Reaction System

<b>Reaction Cuvette</b>	48 high permeable UV cuvettes Hard glass cuvette optional
<b>Washing System</b>	6-probe washing with detergent Extra cleaning optional for specific test items
<b>Mixing System</b>	Independent stirrer
<b>Reaction Volume</b>	Minimum 100 $\mu\text{L}$ for quartz cuvette; 150 $\mu\text{L}$ for hard UV cuvette
<b>Incubation System</b>	Air bath heating 37 $\pm$ 0.1°C

### Calibration and QC

<b>Calibration</b>	Linearity calibration (single point, two points, multi points) Non-linearity calibration (Logit-Log4P, Logit-Log5P, exponential function, spline, exponential 5P, parabola, Wei Bull)
<b>QC Rules</b>	Westgard multi-rules, Levey-Jennings rules and diverse levels of QC

### Operation System

<b>Operation System</b>	Windows 7, 10
<b>Testing Sequence</b>	Programmable test sequence Maximize test speed and minimize carryover
<b>Advanced Features</b>	Reaction reading points traceable after test cycle finish Exceed linearity and high concentration sample auto-dilution Real-time monitoring reaction process
<b>LIS Protocol</b>	Bi-directional LIS/HIS
<b>Report</b>	Various editable customized formats
<b>Data Storage</b>	Depend on PC host memory capacity

### Others

<b>Dimension</b>	740mm(L) $\times$ 535mm(W) $\times$ 510mm(H)
<b>Weight</b>	80 kg
<b>Water Consumption</b>	$\leq$ 5 L/H during operation