

CHEM200

AUTOMATIC CHEMISTRY

ANALYZER



CHEM 200

Automatic Chemistry Analyzer

Instrument Specification

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

Sample System

Sample Disk	40 sample positions (including routine sample, calibration, QC and STAT positions), support primary tubes and sample cup
Collision Detection	Probes and washing arm collision protection
Sample Probes	Inner & outer high polished probe with low carry over Liquid level detection Volume tracking function during aspiration
Sample Volume	2-50 μ L, variable in 001 μ L

Reagent System

Reagent Disk	40 positions compatible with several types of bottles
Cooling System	Independent 2-8°C 24 hours non-stop cooling system
Washing System	Warm water washing for both inner and outer of the probes
Reagent Probe	Inner & outer high polished probe with low carry over Reagent volume tracking function during aspiration
Reagent volume	10-400 μ L, variable in 1 μ L

Reaction System

Reaction Cuvette	60 reusable cuvettes
Washing System	7-step warm water washing
Mixing System	Independent stirrer
Incubation System	Air bath heating 37 \pm 0.1°C

Calibration and QC

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

Operation System

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

Optical System

Light Source	Long life halogen lamp 12V/20W
Optical System	High resolution filters with 9 wavelengths

Others

Dimension	565mm(L)x415mm(W)x 385mm(H)
Weight	28 kg
Water Consumption	<4L/H during operation