Sys 200 pro
Auto-Chemistry Analyzer

Technical Specifications

Analytical system
Fully automated,random-access clinical chemistry system with STAT capability

Analytical Principles
Spectrophotometry and potentiometry

Assay Types
Endpoint, rate, fixed point and indirect ISE (optional)

Analytical Methods
Colorimetry, turbidimetry, Indirect ISE (optional)

Test Menu Applications
80 Programmable tests
Photometric tests, Serum Indices (LIH) HbA1c, and ISE (optional)

Onboard Parameters
Up to 80 photometric tests + 3 ISEs (Na,K,Cl)

Throughput
240 tests/hour, up to 480 tests/hour with ISE (optional)

Sample Types
Serum, plasma, urine, whole blood and other fluids

Sample Capacity
Sample tray-40 samples,continuous loading, any position can be used as STAT, CAL & QC.

Sample Volume
2µl-35 µl in 0.1 µl increments

Sample barcode formats
Code 128, Code 39, Code 93, Codebar, I2 of 5

Reagent Capacity
40 positions for (R1+R2, detergent position) refrigerated 2°C-12°C.
Bottle size: 20 mL, 70 mL

Reagent Volume
10 µl-300 µl, step 0.1 µl increments

Total Reaction Volume
100 µl-360 µl

Reaction Cuvettes
Semi-disposable cuvettes

Reaction Temperature
37°C ± 0.1°C

Photometric Range
0-3.5 OD

Wavelength
Flat field grating type beam-splitting system, simultaneous photometric data collection and processing of 12 different wavelengths; 340 nm, 380 nm, 405 nm, 450 nm, 480 nm, 505 nm, 546 nm, 570 nm, 600 nm, 660 nm, 700 nm, 800 nm

Calibration
1-point end point assay,2-rate point assay, 2-point end point assay, rate-A assay, Logit-Log3P, Logit-Log4P, Logit-Log5P, Exponential, Spline, Broken Line, Multipoint linear.

Quality Control
Westgard rules, Levey Jennings graph
Automated sample pre-dilution
Repeat run with increased or decreased sample volume or sample pre-dilution

Online
Uni and bi-directional host query communications

Installation Requirements

Dimensions (mm) & Weight (Kg)
744×703×530 (L×W×H); approximately 100

Power Supply
100V-240V~ 50/60Hz

Water Supply Information
Mean water consumption: 3 L/hour
Water type: Deionized CAP type ii; bacterial free

DiaSys
Diagnostic Systems

DiaSys
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Complete Walkaway System.

DiaSys
Diagnostic Systems

CHOOSING QUALITY.

High capacity flexibility

- High reagent and sample capacity
- Sample and reagent can be loaded flexibly
- All of reagents and samples could be read by barcode reader

The on-board hemolysis function

- Whole blood testing function for HbA1c to avoid artificial error
- Not necessary for centrifugation
- Automatic hemolysis function, easy operation and standardization for HbA1c test

Accurate result

- 340-800nm 12 wavelengths
- Digital liquid level detection high sensitivity avoids bubbles' interference
- Reagent inventory management, automatically calculates remaining volume and remaining number

Excellent performance

- Automatic cuvette checkup ensures the cuvette clean
- Collision Protection
- Water quality checkup
- RJ-45 Network communication

The quality control

- Daily QC, Monthly QC & QC chart
- Visual QC assessment
- QC history checking
- QC error analysis

Save cost save space

- Low water consumption
- Minimum reaction volume 100µl
- Minimum maintenance
- Small size, easy to place in narrow space

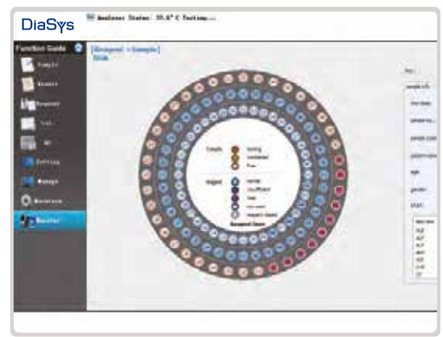
DiaSys provides friendly software interface and easy-to-use for all staffs.

The result interface supports research results in real time, provides reaction analysis, and prints results or transmits to LIS (Laboratory Information System). DiaSys refers to West-gards rules, and generates QC chart and QC statistics for reliable patients results. The monitor interface displays full sample test status real-time.

Search results easily by different conditions
Check the real-time reaction process
Print results and transmit results to LIS

Detect reagent remaining volume
Automatically calculates the remaining times.
Online reagent refilling function

The Quality Control generates QC chart
QC statistics and make it easy to identify QC errors.



Display full patient demographics.
View the sample reaction status in real time.