

Sys 400^{pro}

Technical Specifications	
Analytical system Fully automated, random-access clinical chemistry system with STAT capability	Reaction Cuvettes Semi-disposable cuvettes
Analytical Principles Spectrophotometry and potentiometry	Reaction Temperature 37°C ± 0.1°C
Assay Types Endpoint, Rate, fixed point and indirect ISE (optional)	Photometric Range 0-3.5 OD
Analytical Methods Colorimetry, turbidimetry, Indirect ISE (optional)	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
Test Menu Applications 110 Programmable tests, Photometric Tests, Serum Indices (LIH) HbA1c, and ISE (optional)	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, Multi-point linear.
Onboard Parameters Up to 110 Photometric Tests + 3 ISEs (Na, K, Cl)	Quality Control Westgard rules, Levey Jennings graph
Throughput 400 tests/hr, up to 800 tests/hr with ISE (optional)	Automated Sample Pre-Dilution Repeat run with increased or decreased sample volume or sample pre-dilution
Sample Types Serum, plasma, urine, whole blood and other fluids	Online Uni and Bi-directional host query communications
Sample Capacity Sample Tray – 115 samples, continuous loading, any position can be used as STAT, CAL & QC.	Installation Requirements
Sample Volume 1.5µl-35 µl in 0.1 µl increments	Dimensions (mm) & Weight (Kg) 1060×790×1150 (L×W×H); Approximately 300 Kg.
Sample barcode formats Code 128, Code 39, Code 93, Codebar, I2 of 5	Power Supply 100V-220V~ 50/60Hz
Reagent Capacity 90 positions for (R1+R2, detergent position) refrigerated 2 °C-12°C. Bottle Size: 20 mL, 70 mL	Water Supply Information Mean Water consumption: 25L/Hour
Reagent Volume 20 µl-350 µl, step 1 µl increments	Water Type: Deionized CAP Type II; Bacterial Free
Total Reaction Volume 120 µl-450 µl	



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P7/19/024
Sep 2019

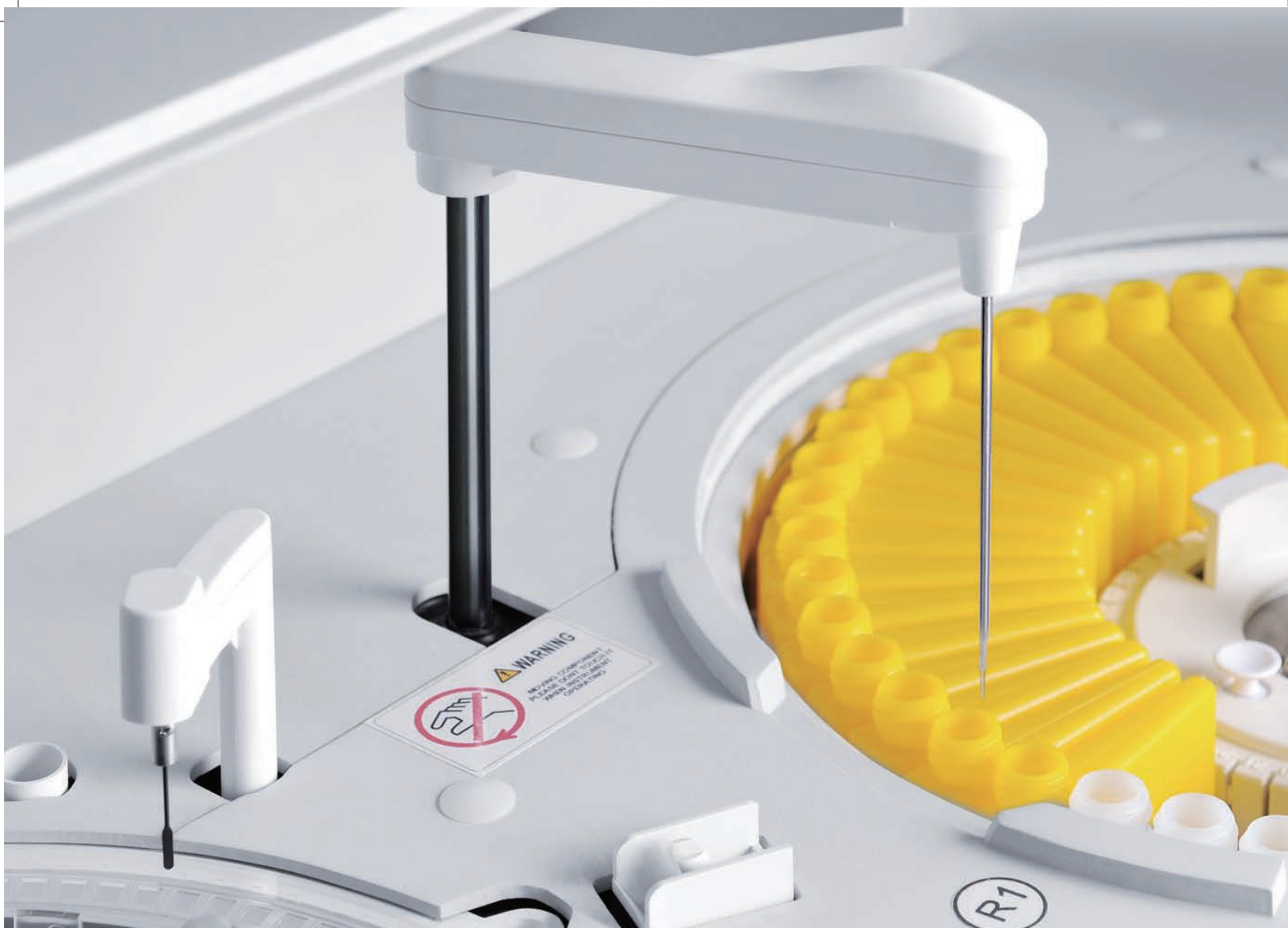
CHOOSING QUALITY.

Sys 400^{pro}



Pushing the limits.

CHOOSING QUALITY.



Excellent performance

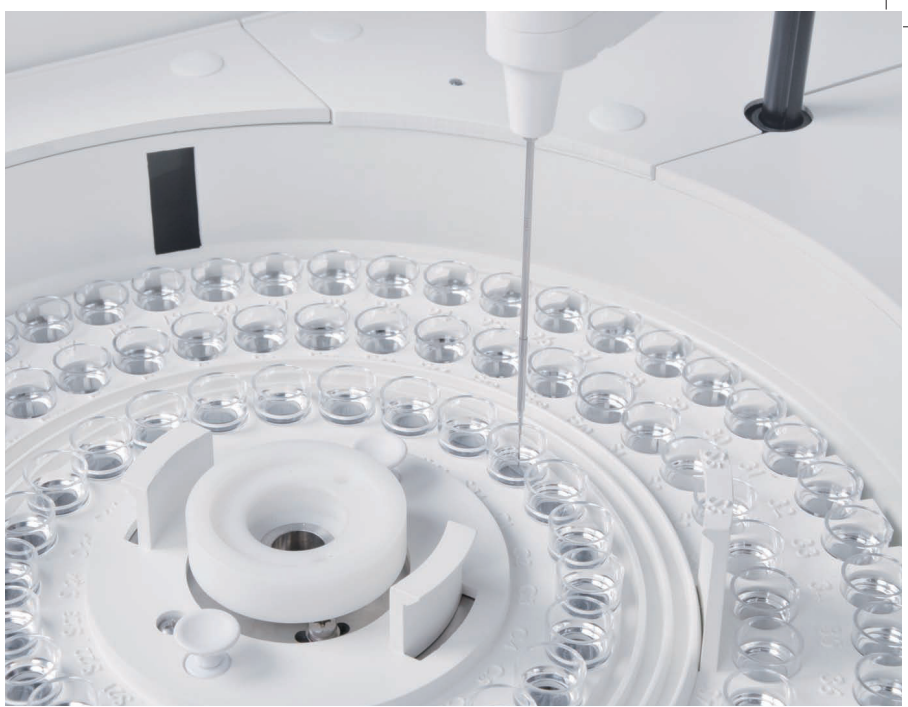
- Automatically cuvette checkup ensure the cuvette clean
- Collision Protection

Save time and cost

- Optical diameter 5mm
- Minimum reaction volume 120μL

High reliability

- Large Absorbance Linear Range
- High traceability with original reagents, calibrators and controls



Software

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 print result or transmit to LIS (Laboratory Information System). DiaSys refers to Westgard's rules, and generates QC chart and QC statistics for reliable patients' results. The monitor interface displays full sample test status real-time.



The on-board hemolysis function

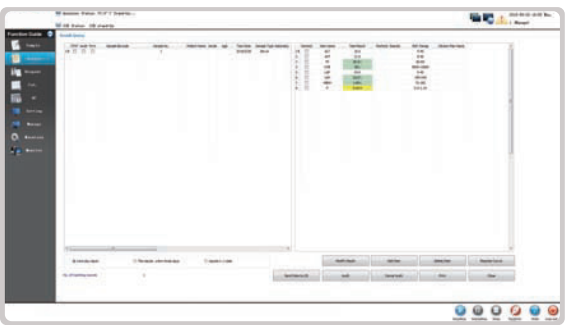
- NGSP certification of whole blood latex-agglutination method on analyzer
- Whole blood testing function for HbA1c to avoid artificial error
- Not necessary for centrifugation
- Automatically hemolysis function, easy operation and standardization for HbA1c test

High capacity

- Up to 115 elastic design sample positions, suitable for different size of tubes
- 112 oblique design reagent positions for full use reagent to save reagent and cost

Accurate result

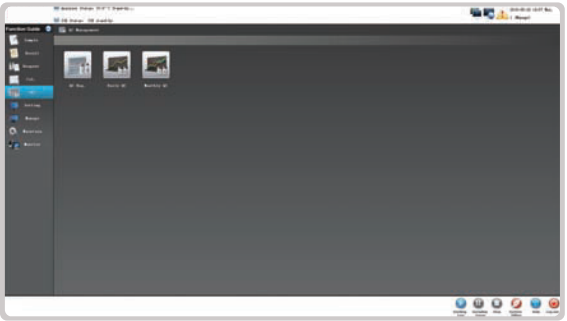
- 340-800nm 12 wavelengths
- Digital liquid level detection high sensitivity avoids bubbles' interference
- Reagent inventory management, automatically calculate remaining volume and remaining number



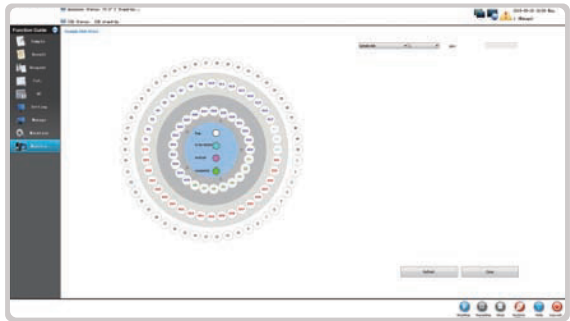
Search result easily by different conditions
Check the real time reaction process
Print results and transmit result to LIS



Detect Reagent remain volume
Automatically calculates the remain 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.