

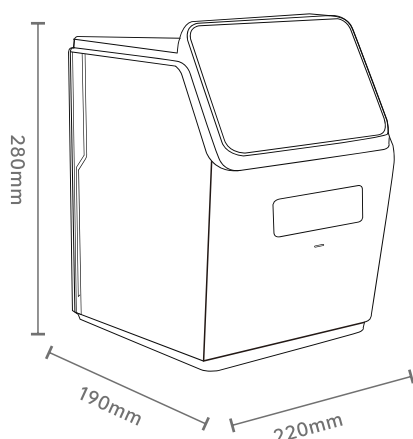
seamaty

SD3 Fully Automated Chemistry Analyzer

- Single test available
- Flexible combinations
- Up to 3 samples per run



New
Reagent
Rotor



SD3 Fully automated chemistry analyzer

Based on microfluidics technology, Seamaty SD3 chemistry analyzer could provide an accurate test result with whole blood, serum, plasma or urine in simple 4-steps operation. The system uses a new patented single-use reagent discs offering a complete testing flexibility with the most cost-effective way.



60-120μL of whole blood, serum, plasma or urine



Test results in 9-12 minutes



4-step simple operation

ADVANTAGES

Fan-shaped reagent Panels

Panel with built-in diluent for whole blood sample, report in 12 minutes.
Panel without diluent for serum or plasma, report in 9 minutes.

Low Sample Consumption

Sample volume 60~120μl per Panel

Easy to use and maintenance Free

Accurate Result

Microfluidic technology with absorption photometry method guarantees more accurate results than traditional dry chemistry.

Independent cuvettes stop each assay from cross contamination.

Up to 3 panels per run

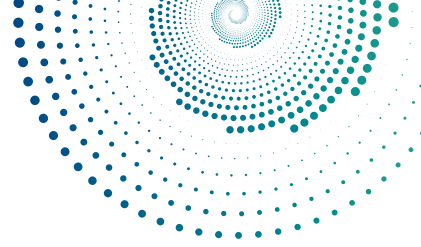
Flexible combinations

Regular biochemistry, coagulation, electrolyte, lipid, cardiac, HbA1c as well as CRP.

Multiple combinations are available.

SPECIFICATION

Sample volume	60-120μL	Testing method	End-point, kinetic, two-point
Bar code	QR code	Light source	Halogen tungsten lamp's shelt life is over 2500 hours
Testing time	9-12 minutes / 3 samples	Power supply	AC 100V-240V, 50-60Hz
Temperature	37°C±0.3°C	Rated power	120VA
Absorbance	0.001Abs	Storage	MAX 500,000 results
Cross infection	0	Display	7 inch 800*480 multi-touch screen, Android system, multi-language support
Sample type	Lithium Heparin Anticoagulant whole blood, serum, plasma	Printer	Built-in thermal printer
Work condition	Temperature:10-30°C Humidity: 30%-70%	Connectors	4 USB interfaces, 1 LAN interfaces
Testing principle	Absorption spectroscopy, Turbidimetry	Weight	4Kg
QC&Calibrate	Automatic and real-time		



EASY 4-STEP OPERATION

All steps are automated from centrifugation, dilution, quality control to test result printing.



DISPOSABLE REAGENT DISC

Seamaty Reagent Disc Introduction

Born from space technology research, Seamaty reagent disc is a fully self-contained single-use chemistry reagent disc designed to satisfy a variety of conditions. Just 2-3 drops of whole blood are required to offer accurate results. The test kit consists of lyophilized reagent beads, diluent and QR code. The reagent disc has a shelf life of 12 months(2-8°C storage). The diluent is contained in the disc. The QR code includes the basic information of the disc.

Intelligent Quality Control

The reagent disc contains a complicated internal quality control system IQC which continuously monitors the disc function to ensure reaction stability and optimal disc performance. IQC is the engine that drives the SD3 accurately and precisely.

Correlation

In countless central-lab correlation studies, the accuracy, precision and reproducibility of the SD3 chemistry analyzer has been proven and approved by the most respected hospitals and commercial around the world.

Reagent Panel



8 Liver Function Kit

*Calculated

ALB ALP ALT AST DB GGT TB TP A/G* GLOB* IBIL*



7 Renal Function Kit

Ca Crea GLU UA tCO₂ PHOS UREA



5 Cardiac kit

AST LDH HBDH CK CK-MB



7 Electrolyte Kit

Ca Cl K Na PHOS Mg tCO₂



9 Comprehensive Kit

*Calculated

Urea Crea GLU ALT AST UA HDL TC TG LDL*



HbA1c Kit

HbA1c



CRP Kit

CRP



5 Coagulation Assay Kit

PT APTT FIB TT D-Dimer