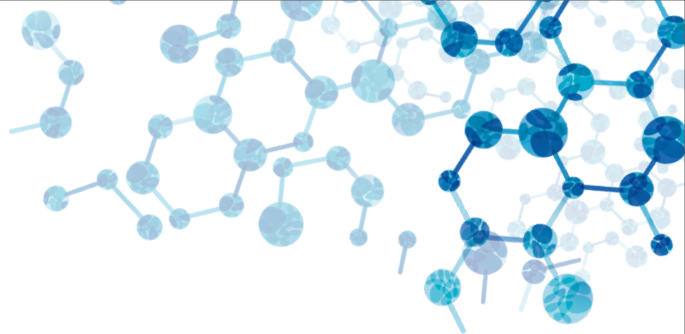


*seamaly*



# POINT OF CARE TESTING (POCT) AUTO CHEMISTRY ANALYZER

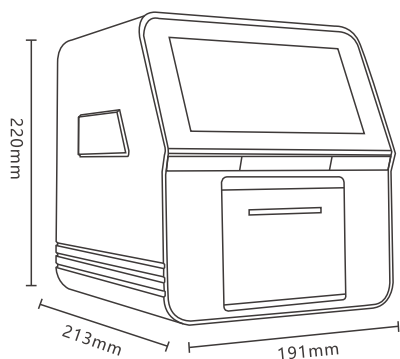
SMT-120 Auto Chemistry Analyzer is a biochemical analysis system that integrates conventional biochemistry, coagulation, electrolyte and immunoassay items. It is widely used in primary health, emergency diagnostic testing, field rescue and other fields.

Immediate Results    Anywhere Anytime

Transfer results to PC

Build results database  
(LIS System)





## SMT-120

## AUTO CHEMISTRY ANALYZER

Equipped with the latest medical and technological innovations, we have invented a state-of-the-art portable SMT-120 Auto Chemistry Analyzer which provides a better, faster and more accurate diagnosis for blood analysis.



Test up to 34 parameters in total



Test results in 12 minutes



3-step simple operation

## ADVANTAGES

### Low Sample Consumption

Sample Volume needed is 1/10 - 1/20 of conventional chemistry analyzer.

### Easy to Use

No professional skill required.

### Maintenance Free

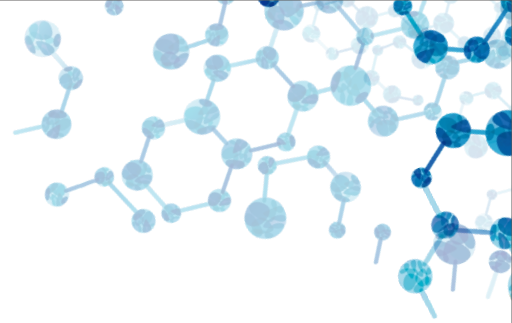
Robust analyzer, no consumables needed, such as tubes, pumps and valves.

### Accurate Result

Using the photoelectric colorimetric principle, the SMT-120 analyzer has many advantages versus conventional dry biochemistry analyzer using the light reflection method. Dilution of test sample is guaranteed Without random errors or cross contamination.

## SPECIFICATION

Sample volume	90-120µl	Testing method	End-point, kinetic, two-point
Bar code	Two-dimensional bar code automatically read	Light source	12V/20W halogen lamp with shelf life over 2500 hours
Testing time	12 minutes / sample	Power adapter	Input: AC 100V-240V, 50-60Hz Output: 15V ■ 7.0A, 105W Max
Temperature	37°C ± 0.2°C	Display	6.5 inch multi-touch screen, android system, multi-language support
Resolution	0.001 Abs	Storage	>500,000 results
Absorbance	0-3.0 Abs	Printer	Built-in thermal printer
Sample type	Lithium Heparin Anticoagulant whole blood, serum and plasma	IT connection	2 USB interfaces
Work environment	Temperature: 10-32°C; Humidity: <85%	Weight	4.2 Kg of the analyzer, 0.6 Kg of power adapter
Testing principle	Absorption spectroscopy, turbidimetry		
QC & Calibration	Automatic and real-time		



## EASY 3-STEP OPERATION

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



**01** Add Sample (100 $\mu$ L)



**02** Insert Disc (12-minute testing time )



**03** Read Results ( immediately )

## DISPOSABLE REAGENT DISC

### Seamaty Reagent Disc Introduction

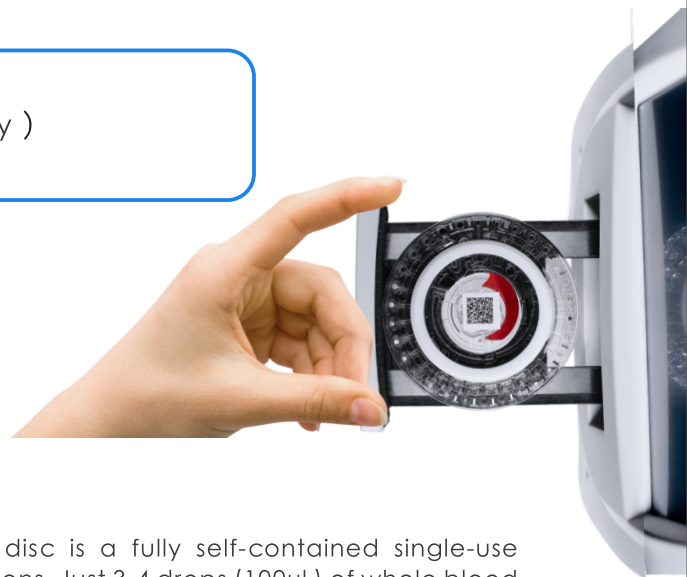
Born from space technology research, Seamaty reagent disc is a fully self-contained single-use chemistry reagent disc designed to satisfy a variety of conditions. Just 3-4 drops (100 $\mu$ l ) of whole blood are required to offer accurate results. The test kit consists of lyophilized reagent beads, diluent and QR code. The reagent disc has a shelf life of 12 months(2-8 $^{\circ}$ 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 SMT-120 accurately and precisely.

### Correlation

In countless central-lab correlation studies, the accuracy, precision and reproducibility of the SMT-120 Auto Chemistry Analyzer has been proven and approved by the most respected hospitals and commercial around the world.



# Reagent Panel

## 14 General Chemistry Kit

AW00002

ALB ALP ALT AMY AST Crea GLU GGT TB  
TC TG TP UA UREA U/C\* A/G\* GLOB\*

## 18 General Chemistry II Kit

AW00866

ALB AMY AST Ca CK Cl<sup>-</sup> Crea GLU HBDH  
LDH LPS Mg Na<sup>+</sup> K<sup>+</sup> tCO<sub>2</sub> UA UREA PHOS  
U/C\*

## 10 Relyte Kit

MD20105

K<sup>+</sup> Na<sup>+</sup> Cl<sup>-</sup> Ca Mg tCO<sub>2</sub> UREA Crea UA  
PHOS U/C\*

## 8 Renal Function Kit

AW00275

ALB Ca Cl<sup>-</sup> Crea K<sup>+</sup> Na<sup>+</sup> UA U/C\* UREA

## 7 Electrolyte Kit

AW00246

Ca Cl<sup>-</sup> K<sup>+</sup> Mg Na<sup>+</sup> PHOS tCO<sub>2</sub>

## 5 Cardiac kit

MD20201

AST LDH CK HBDH CK-MB

## 14 General Chemistry B Kit

AW01077

ALB ALT AMY AST CK Crea DB GLU TB  
TC TG TP UA UREA U/C\* A/G\* GLOB\*

## 10 Liver Function Plus Kit

AW00430

ALB ALT AMY AST ALP DB GGT LPS TB  
TP A/G\* GLOB\*

## 17 Conventional Chemistry Kit

AW01076

ALB ALP ALT AST CHE Crea DB GGT GLU  
HDL TB TBA TC TG TP UA UREA U/C\*  
A/G\* LDL\* GLOB\*

## HbA1c Kit

MD10186

HbA1c

## 8 Renal Function Kit

AW00088

ALB Ca Crea GLU PHOS tCO<sub>2</sub> UA UREA U/C\*

## 19 General Chemistry III Kit

AW00867

ALB TP GLU TC TG HDL ALP GGT TB  
DB CHE TBA ALT AST CK AMY Crea UREA  
UA A/G\* LDL\* U/C\* GLOB\*

## 10 Liver Function Kit

AW00131

ALB ALP ALT AMY AST CHE TBA GGT TB  
TP A/G\* GLOB\*

## 6 Lipid Kit

AW00353

ALT AST GLU HDL TC TG LDL\*

## 5 CRP Kit

MD10132

LPS CRP AMY UREA Crea

## 13 Livial Function Kit

AW01078

ALB ALP ALT AST CHE Crea DB GGT TB  
TBA TP UA UREA U/C\* A/G\* GLOB\*

## 13 Health Check Kit

AW00194

ALB AMY ALT AST Ca Crea CK PHOS GLU  
TB TG TP UREA U/C\* A/G\* GLOB\*

## 11 Chemistry CRP Kit

AW00857

TP Crea TB AST ALP ALB ALT DB GLU  
CRP UREA U/C\* A/G\* GLOB\*

## 4 Coagulation Assay Kit

MD10184

Fib PT TT APTT INR\*

\* calculated