

Seamaly

FULL AUTOMATIC POINT OF CARE(POCT) CHEMISTRY ANALYZER

Immediate Results
Anywhere Anytime



Optional Accessories



SMT-120 POCT
Chemistry Analyzer

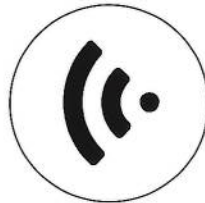


Reagent Disc
(Consumable)



POCT

Chemistry Solution



Internal Wi-Fi
Dongle



USB Memory



Pipette Tips



Lithium Heparin
Anticoagulate Tube



Pipette

Immediate Results Anywhere Anytime

Founded in 2012, Chengdu Seamaty Tehchnology Co.,Ltd specializes in the Research & Development, production and marketing of POCT chemistry analyzers. Seamaty is accredited as a high-tech enterprise by the Sichuan provincial government. Our standard GMP plants which are certified by TUV for ISO 13485:2016 develops and manufactures our CE listed products. In China, Seamaty is certified by CFDA for "Medical Device Production License" and Product Registration Certification. Acknowledge and recognized by the Chinese Government as a high-tech enterprise, Seamaty has registered many intellectual property and patent for inventions. We currently distribute to over 70 countries around the world including many European countries.

SMT-120

Sample volume:	90-120ul
Bar code:	QR code
Testing time:	12minutes/sample
Temperature:	37°C±0.2°C
Resolution:	0.001Abs
Absorbance:	0-3.0Abs
Sample type:	Anti-coagulation whole blood, serum, plasma
QC&Calibrate:	IQC intelligent QC
Work condition:	Temperature:10-32°C Humidity: < 85%
Testing principle:	Absorption spectroscopy, transmission turbidimetry
Testing method:	End point, kinetic, fixed time, turbidimetry etc
Light source:	12V/20W, halogen tungsten lamp's life span is over 2500 hours
Power supply:	AC100V-240V, 50-60Hz
Power:	Output: 15W 7.0a, 105W MAX
Display:	Android 6.5 inch 800*480, multi-point capacitive touch screen
Storage:	> 500,000 results
Printer:	Built-in thermal printer
Connectors:	2 USB ports
Order code:	A00120000E0



SMT-120

Equipped with the latest medical and technological innovations, we have invented a state-of-the-art portable automatic biochemistry analyzer SMT-120 which provides a better, quicker and accurate diagnosis for blood analysis.



Test up to 27 parameters in total



Test results in 12 minutes



Simple operation

Little Sample Volume Required

Sample volume needed is 1/10-1/20 of traditional chemistry analyzer.

Easy to Carry

4.2Kg. The portable analyzer is designed to save space, use it anywhere anytime.

Less Maintenance

No consumables needed such as tubes, pump, valve etc, saving your maintenance expenses.

Accurate Result

Using the photoelectric colorimetric principle, the SMT-120 analyzer has many advantages versus traditional dry biochemistry analyzer using the light reflection method. Dilution of test sample is guaranteed without random errors and cross contaminations.

EASY 3-STEPS OPERATION

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



1. Insert Sample (100ul)

No sample pretreatment needed.
only 100ul of whole blood / serum / plasma needed.



2. Insert Reagent Disc (12 minutes testing time)

Maintenance free and easy to use in a field or mobile setting. Key parts imported from USA.
Internal centrifugation of test sample. No internal liquids or pumps.



3. Interpret result (immediately)

Reads results using the photoelectric colorimetric principle. No random error or cross infection possible.
Automatically prints result.

Transfer results to PC



Build test results database
(LIS System)



Quick Accurate Diagnosis

DISPOSABLE TEST KIT

(7 Chemistry Profiles with Different Parameters in One Solution)

The test kit consists of freeze-dried reagent beads, diluent and QR code. Single use with 12 months lifespan (2-8°C storage temperature).

calculated parameter	Analyte (Full Name)	ALB	ALP	ALT	AMY	AST	Ca	CHE	Cl ⁻	CK	CREA	GLU	GGT	K ⁺	HDL	Mg ²⁺	Na ⁺	PHOS	TBA	TB	TC	CO ₂	TG	TP	UA	UREA	HBDH	LDH	GLOB	UIC	A/G	LDL	
General Chemistry Kit PN:AW00002	17	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Health Check Kit PN:AW00194	16	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Liver Function Kit PN:AW00131	12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Renal Function Kit PN:AW00088	9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Electrolyte Kit PN:AW00246	7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Lipid Kit PN:AW00353	7	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Cardiac Kit PN:AW00411	4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Coming soon: LPS(Lipopolysaccharide), DBIL(Direct bilirubin)

FAQ

1. Can expired disc be used in the SMT-120?

No. The analyzer has a built-in sensor for determine if the disc has expired. If the disc is beyond the expiration date, the analyzer will cancel the run and display a code error message.

2. What is the shelf life of the test reagent disc?

The shelf life of a test reagent disc is 12 months (see package for expiration date).

Seamaty recommends that disc should be stored and refrigerated at 2-8° C. (36-46° F).

Discs stored above 8° C will degrade faster throughout their shelf life.

3. Do discs require warm-up time before use?

Yes. We recommend that disc be used after 20 minutes warming up when it is taken out of refrigerator for optimal performance.

4. Can the discs be reused?

No. The discs are single-use, one disc is for one patient. They are considered a bio-hazard and should be disposed of in proper containers.

5. What types of samples can be used with the SMT-120?

Lithium-heparin whole blood, lithium-heparin plasma, or serum. Do not use EDTA as an anti-coagulant.

6. What is the proper tubes for blood sample collection?

Seamaty offers enough FOC tubes (lithium heparin), pipette and pipette tips after your reagent disc order. Do not use EDTA tube.

Disposable reagent disc

7 medical chemistry profiles with 27 Parameters in total.

It is freeze-drying single-use plastic test reagent disc with 12 months lifespan at the temperature of 2-8°C. The diluent contains in the rotor.

The QR code not only includes the basic information of rotor, but has the functions to update system of analyzer and to set zone code.



Seamaty Reagent Disc Introduction

Born from space technology research, Seamaty reagent disc is fully self-contained single-use chemistry reagent disc designed to address a variety of conditions. Just 3-4 drops (100 ul) of whole blood are required to offer many accurate results.

QC Intelligent Quality Control

The SMT-120 test reagent disc contains a complicated onboard quality control system which continually monitors the disc function to ensure reaction stability and optimal disc performance. IQC is the engine that drives the SMT-120 accuracy and precision.

Correlation

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