

## Fully Automatic Dry Biochemistry Analyzer (POCT)

### Introduction:

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.



### Reagents:

Reagent Menu

(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).

Reagent Name	Test Items
General Chemistry Kit	ALB, ALP, ALT, AMY, AST, CREA, GLU, GGT, TB, TC, TG, TP, UA, UREA, GLOB, U/C, A/G
Health Check Kit	ALB, ALT, AMY, AST, Ca, CK, CREA, GLU, PHOS, TB, TG, TP, UREA, GLOB, U/C, A/G
Liver Function Kit	ALB, ALP, ALT, AMY, AST, CHE, GGT, TBA, TB, TP, GLOB, A/G
Renal Function Kit	ALB, Ca, CREA, GLU, PHOS, CO2, UA, UREA, U/C
Electrolyte Kit	Ca, Cl-, K+, Mg2+, Na+, PHOS, CO2,
Lipid Kit	ALT, AST, GLU, HDL, TC, TG, LDL
Cardiac Kit	AST, CK, HBDH, LDH

### Features:

- \* Little Sample Volume Required  
Sample volume needed is 1/10-1/20 of traditional chemistry analyzer.
- \* Easy to Carry  
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 bio chemistry analyzer using the light refraction method. Dilution of test sample is guaranteed without random errors and cross contaminations.

### Technical Parameters:

Model	SMT-120
Sample Volume	90-120ul
Barcode	QR code
Testing Time	12mins/sample
Controlling Temperature	37±0.2°C
Resolution	0.001Abs
Absorbance	0-3.0Abs
Sample Type	Anti-coagulation whole blood, serum and plasma
QC & Calibration	IQC Intelligent QC
Working Condition	Temperature: 10-32°C; Humidity: <85%
Testing Principle	Absorbance spectroscopy, transmission turbidimetry
Testing Method	End point, kinetic, fixed time, turbidimetry, etc.
Light Source	12V/20W, Halogen tungsten lamp, life span over 2500h
Power Supply	AC100-240V, 50-60Hz
Power	105W
Display	6.5 inches touch screen
Storage	4G, 100.000 results
Print	Built-in thermal printer
Connector	2 USB ports
Packing Size	345*315*405 mm
Gross Weight	6.85 KGS