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<https://seamaty.nt-rt.ru> || sya@nt-rt.ru

Биохимический анализатор SMT-120

POINT OF CARE TESTING (POCT) AUTO CHEMISTRY ANALYZER

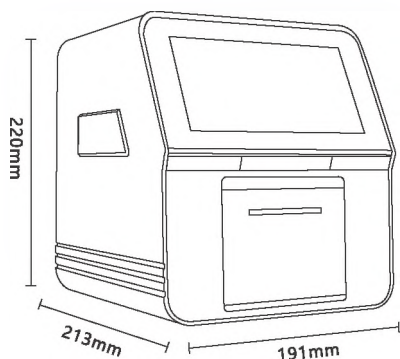
SMT-120 Auto Chemistry Analyzer is a biochemical analysis system that integrates conventional biochemistry, coagulation, electrolyte and immunoassay items. It is widely used in primary health, emergency diagnostic testing, field rescue and other fields.

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

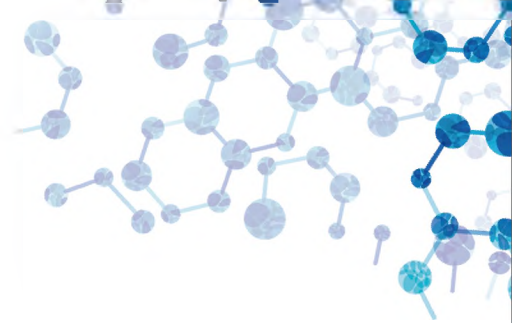
Robust analyzer, no consumables needed, such as tubes, pumps and valves.

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 μ L)



02 Insert Disc (12-minute testing time)



03 Read Results (immediately)

DISPOSABLE REAGENT DISC

Seamaty Reagent Disc Introduction

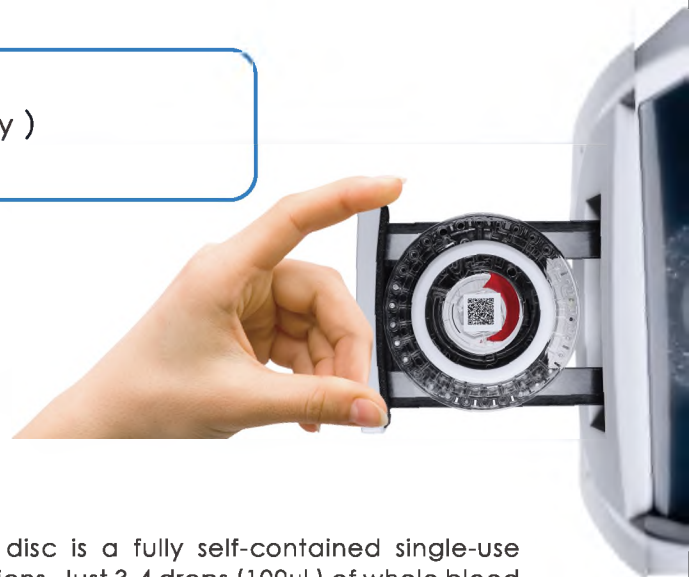
Born from space technology research, Seamaty reagent disc is a fully self-contained single-use chemistry reagent disc designed to satisfy a variety of conditions. Just 3-4 drops (100 μ l) of whole blood are required to offer accurate results. The test kit consists of lyophilized reagent beads, diluent 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

Group Panels		General Chemistry II Kit						General Chemistry III Kit										4	HbA1c Kit	
		8 Renal Function Kit	7 Electrolyte Kit	4 Cardiac Kit	10 Relelyte Kit	18 General Chemistry II Kit	8 Renal Function Kit	14 General Chemistry Kit	10 Liver Function Kit	6 Lipid Kit	19 General Chemistry III Kit	10 Liver Function Plus Kit	13 Liver/renal Function Kit	13 Health Check Kit	17 Conventional Chemistry Kit	14 General Chemistry B Kit	11 Chemistry CRP Kit	5 CRP Kit		4 Coagulation Assay Kit
Analytes		AW00088	AW00246	AW00411	MD20105	AW00866	AW00275	AW00002	AW00131	AW00353	AW00867	AW00430	AW01078	AW00194	AW01076	AW01077	AW00857	MD10132	MD10184	MD10186
ALB	ALB					ALB	ALB	ALB	ALB		ALB	ALB	ALB	ALB	ALB	ALB	ALB			
ALP								ALP	ALP		ALP	ALP	ALP		ALP		ALP			
ALT								ALT	ALT	ALT	ALT	ALT	ALT	ALT	ALT	ALT	ALT			
AMY					AMY		AMY	AMY		AMY	AMY		AMY		AMY		AMY		AMY	
AST			AST		AST		AST	AST	AST	AST	AST	AST	AST	AST	AST	AST	AST			
APTT					AST														APTT	
Ca	Ca	Ca		Ca	Ca	Ca								Ca						
CHE									CHE		CHE		CHE		CHE					
CK			CK		CK						CK			CK		CK				
Cl ⁻		Cl ⁻		Cl ⁻	Cl ⁻	Cl ⁻														
Crea	Crea			Crea	Crea	Crea	Crea				Crea		Crea	Crea	Crea	Crea	Crea	Crea		
DB											DB	DB	DB		DB	DB	DB			
Fib																			Fib	
GGT							GGT	GGT		GGT	GGT	GGT		GGT						
GLU	GLU				GLU		GLU		GLU	GLU			GLU	GLU	GLU	GLU				
HbA1c																				HbA1c
K ⁺		K ⁺		K ⁺	K ⁺	K ⁺														
Na ⁺		Na ⁺		Na ⁺	Na ⁺	Na ⁺														
PHOS	PHOS	PHOS		PHOS	PHOS									PHOS						
PT																			PT	
TB							TB	TB		TB	TB	TB	TB	TB	TB	TB	TB			
TBA								TBA		TBA		TBA		TBA						
tCO ₂	tCO ₂	tCO ₂		tCO ₂	tCO ₂															
TP							TP	TP		TP	TP	TP	TP	TP	TP	TP				
TT																			TT	
UA	UA			UA	UA	UA	UA			UA		UA		UA	UA	UA				
UREA	UREA			UREA	UREA	UREA	UREA			UREA		UREA	UREA	UREA	UREA	UREA	UREA			
TC							TC		TC	TC				TC	TC					
TG							TG		TG	TG			TG	TG	TG					
HDL									HDL	HDL				HDL						
LDL*									LDL*	LDL*				LDL*						
LPS					LPS						LPS							LPS		
HBDH			HBDH		HBDH															
LDH			LDH		LDH															
CRP																CRP	CRP			
Mg		Mg		Mg	Mg															

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