

## MS100 CHEMISTRY ANALYZER

### Centrifugal Microfluidic Biochemical POCT Detection Platform

The MS100 Chemistry Analyzer is used for the quantitative analysis of analytes in human samples. This instrument is suitable for laboratories with professional testing capabilities in medical institutions, such as central laboratories with professional testing capabilities in medical institutions, such as central laboratories, outpatient and emergency laboratories, clinical departments, physical examination centers. For invitro diagnostic use only.

#### TECHNICAL SPECIFICATIONS

Sample Type	Anticoagulant whole blood, plasma, serum
Test Principle	Photoelectric colorimetry
Connection	Online use of LIS system
Sample Volume	140µl
Test Time	≤15mins
Code Identification	External barcode scanner, automatic identification of QR code for reagent list
Reaction Temperature	37±0.5°C
Light Source	LED Lamp
Printer	With built-in thermal paper and external printer (wireless printer)
Operating System	Android 5.1 (5-inch)
Supply Voltage	AC100V-240V, 50-60Hz
Size	270mm x 180mm x 155mm
Weight	3kg, with built-in adapter

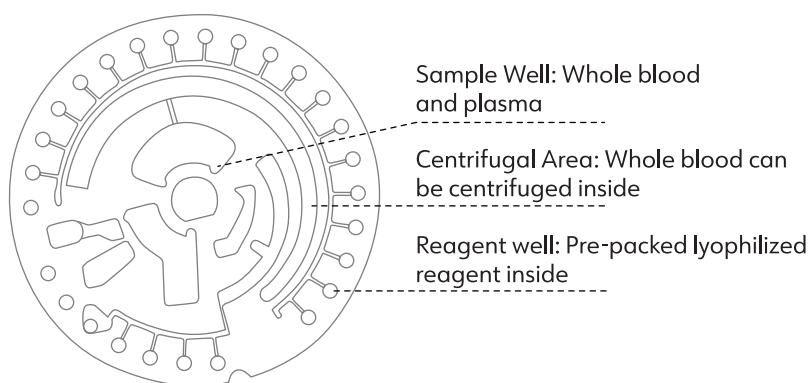


#### TEST ITEMS

Liver Function	TP ALB/GLO* ALT AST GGT ALP TBIL DBIL IBIL
Glucose and Lipid	TG CHOL HDL-C LDL-C* GLU GSP*
Renal Function	ALB CREA UREA UA Ca <sup>2+</sup> PHOS Ca <sub>2</sub>
Electrolyte 7	K <sup>2</sup> CA <sup>2</sup> Na <sup>+</sup> Cl CO <sub>2</sub> MG <sup>2+</sup>
General Chemistry I	TP ALB GLO* ALB/GLO ALT AST TBIL DBIL IBIL* TG CHOL HDL-C* GLU CREA UREA UA
General Chemistry II	GLU AMY CREA UREA K* Na <sup>+</sup> Cl Co <sub>2</sub>
General Chemistry 9	TP ALB GLO* ALT AST TBIL UA UREA GGT AST ALT GLU GLO* ALB/GLO*
Emergency Room 13	AST CK CK-MB LDH α-HBDH GLU AMY CREA UA K <sup>+</sup> Na <sup>+</sup> Cl Co <sub>2</sub>
Myocardial Enzyme	AST CK CK-MB LDH α-HBDH

\*Calculated / GSP\* means coming

#### Microfluidic Discs



#### Microfluidic Technology Platform

- Centrifugal detection platform-Invention Patent
- A microfluidic coagulation detection device and detection method-Invention patent
- Microfluidic inspection device and operation method-Invention patent
- Automatic coagulation detection analyzer and method-Invention patent
- Centrifugal testing platform and its operation process-Invention patent

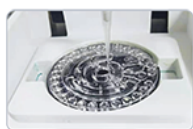
#### Application Scenarios

- Emergency Department
- Primary Hospital
- Scientific Research Institution
- Clinical Departments
- Mobile Health Care
- Physical Examination

#### Operation:



step1 Put disc in



step2 Add Sample



step3 Click 'Start'



step4 Output results