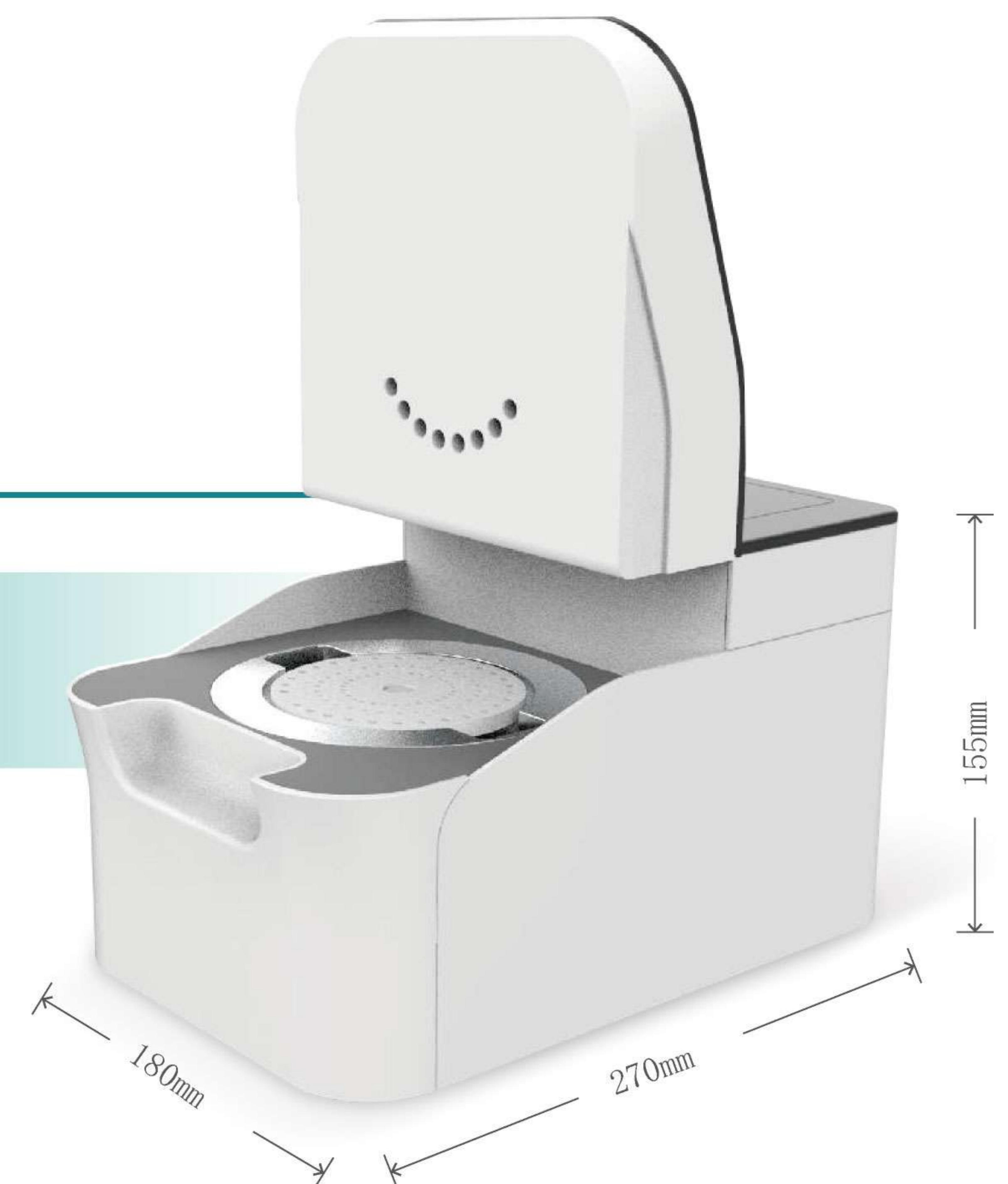







Chemistry Analyzer

MS100

Centrifugal microfluidic biochemical POCT test platform



-  Free choice of multiple lyophilized discs, application of personalized medicine
-  Instrument miniaturization, lyophilized reagent pre-packaged design
-  Fast, accurate and portable



Chemistry Analyzer MS100

Technical Specifications

| | |
|----------------------|--|
| Sample type | Anticoagulant whole blood, plasma, serum |
| Test principle | Photoelectric colorimetry |
| Connection | On-line use of LIS system |
| Sample volume | 140 μ L |
| Test time | \leq 15min |
| Code identification | External barcode scanner, automatic identification of QR code for reagent disc |
| Reaction temperature | 37 \pm 0.5 $^{\circ}$ C |
| Light source | LED lamp |
| Printer | With built-in thermal printer and external printer (wireless printer driver) |
| Operating system | Android 5.1 (5-inch) |
| Memory capacity | 1GB, expandable 32GB TF Card |
| Supply voltage | AC100V-240V, 50-60HZ |
| Size | 270mm*180mm*155mm |
| Weight | 3KG, with built-in adapter |

Test Items

| | |
|--------------------------|---|
| Liver Function | TP ALB GLO* ALB/GLO* ALT AST GGT ALP TBIL DBIL IBIL* |
| Glucose and Lipid | TG CHOL HDL-C LDL-C* GLU GSP* |
| Renal Function | ALB CRE UREA UA Ca ²⁺ PHOS CO ₂ |
| Electrolyte 7 | K ⁺ Ca ²⁺ Na ⁺ Cl ⁻ CO ₂ Mg ²⁺ PHOS |
| General Chemistry 8 | GLU AMY CRE UREA K ⁺ Na ⁺ Cl ⁻ CO ₂ |
| General Chemistry 9 | TP ALB TBIL CRE UREA GGT AST ALT GLU |
| General Chemistry 13 I | TP ALB GLO* ALB/GLO* ALT AST TBIL DBIL IBIL* TG CHOL HDL-C LDL-C* GLU CRE UREA UA |
| General Chemistry 13 II | TP ALB ALT AST TBIL DBIL UA UREA CRE GLU TG CHOL HDL-C |
| General Chemistry 15 | TP ALB GLO* ALB/GLO* ALT AST GGT ALP TBIL DBIL IBIL* TG CHOL HDL-C LDL-C* GLU CRE UREA UA |
| Emergency Room 13 | AST CK CK-MB LDH α -HBDH GLU AMY CRE UA K ⁺ Na ⁺ Cl ⁻ CO ₂ |
| Liver and Renal Function | TP ALB GLO* ALB/GLO* ALT AST GGT TBIL GLU CRE UREA |
| Myocardial Enzyme | AST CK CK-MB LDH α -HBDH |

Calculated / GSP means coming

Microfluidic discs

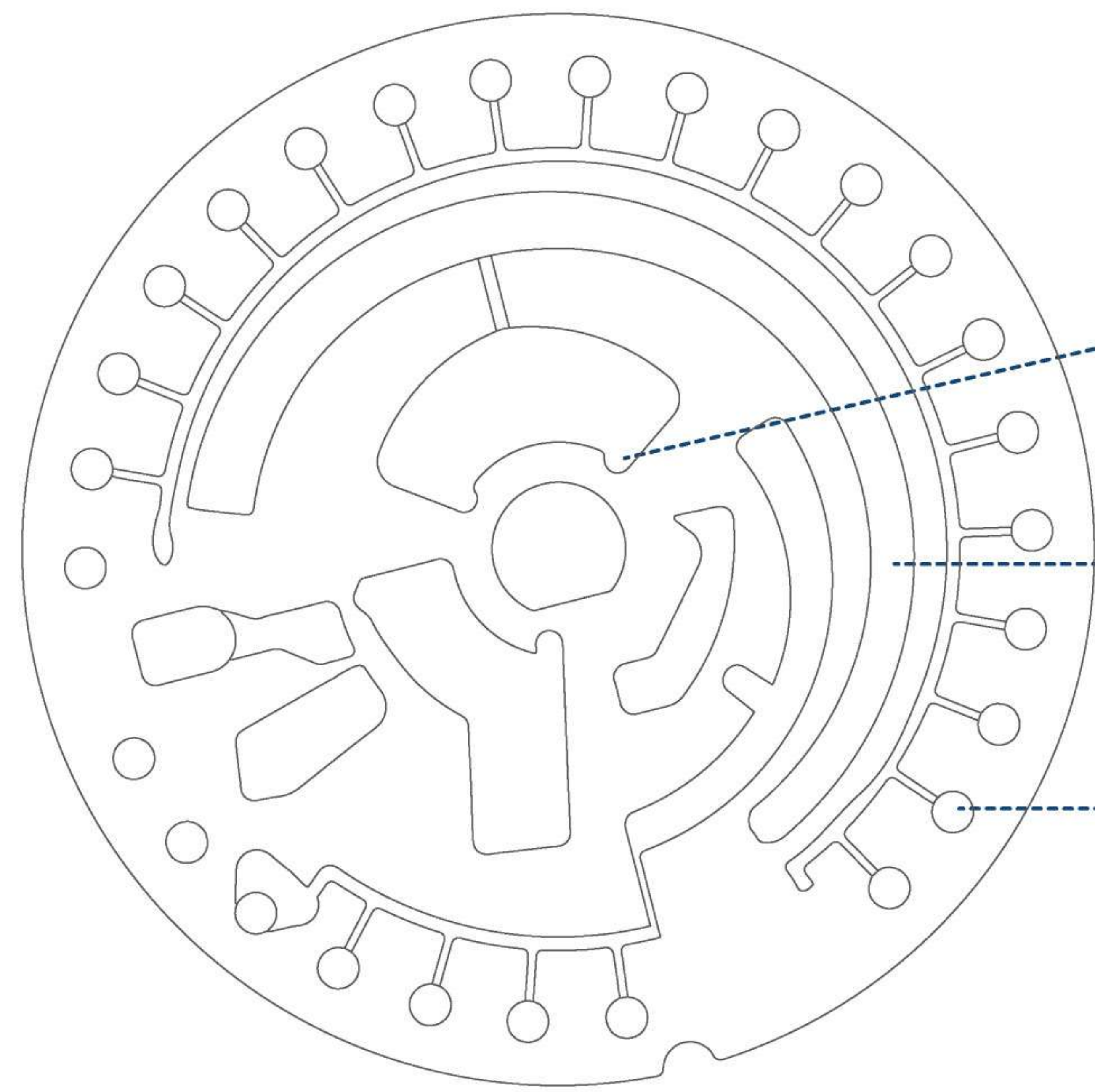
 Whole blood sampling

 Internal centrifuge & printer

 Rapid test speed: 10-15min

 Easy connection: WIFI & RS-232 to LIS

 Portable: only 3KG

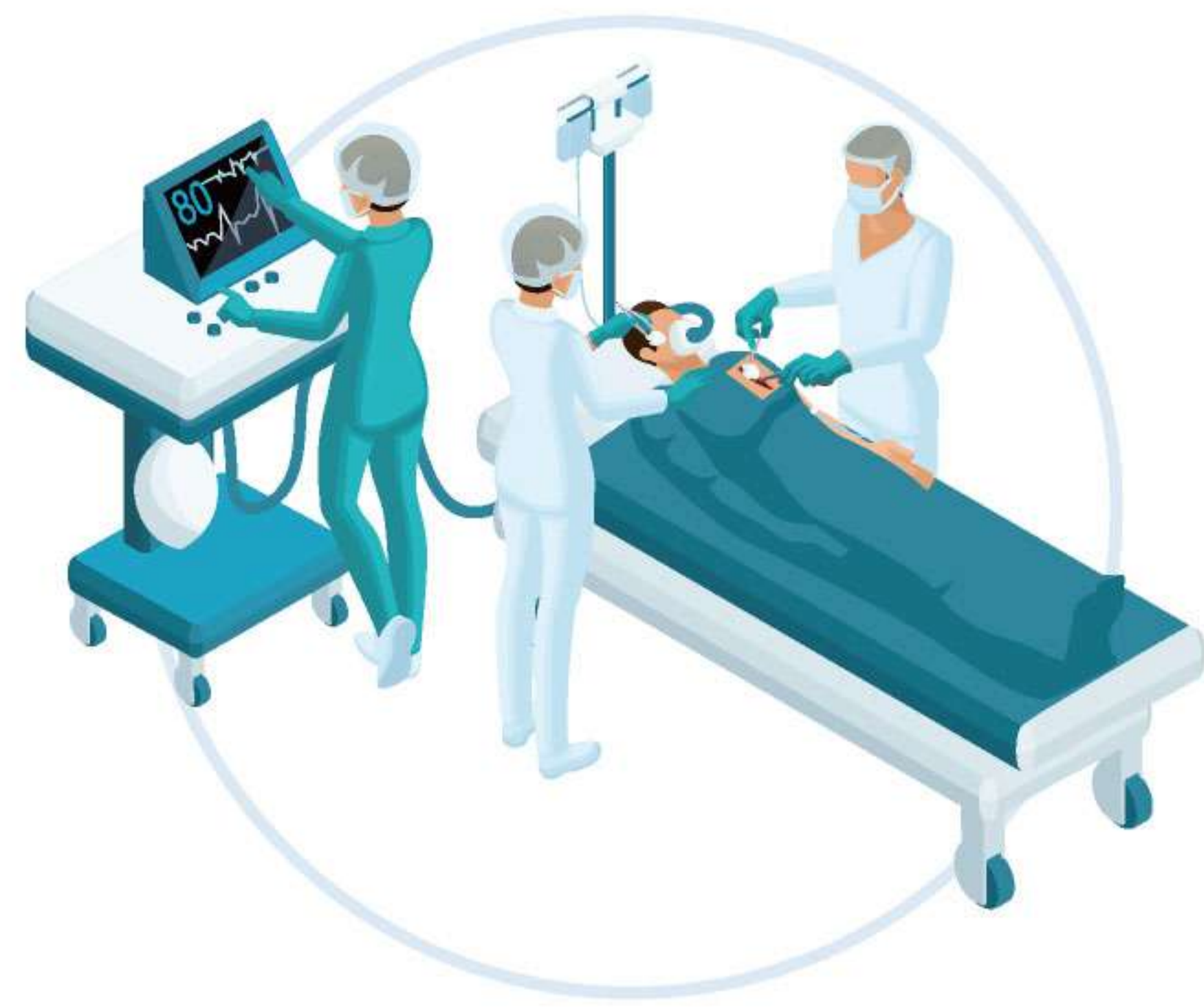


Sample well: Whole blood & plasma

Centrifugal area: Whole blood can be centrifuged inside

Reagent well: Pre-packaged lyophilized reagent inside

Application Scenarios



Emergency department



Primary hospital



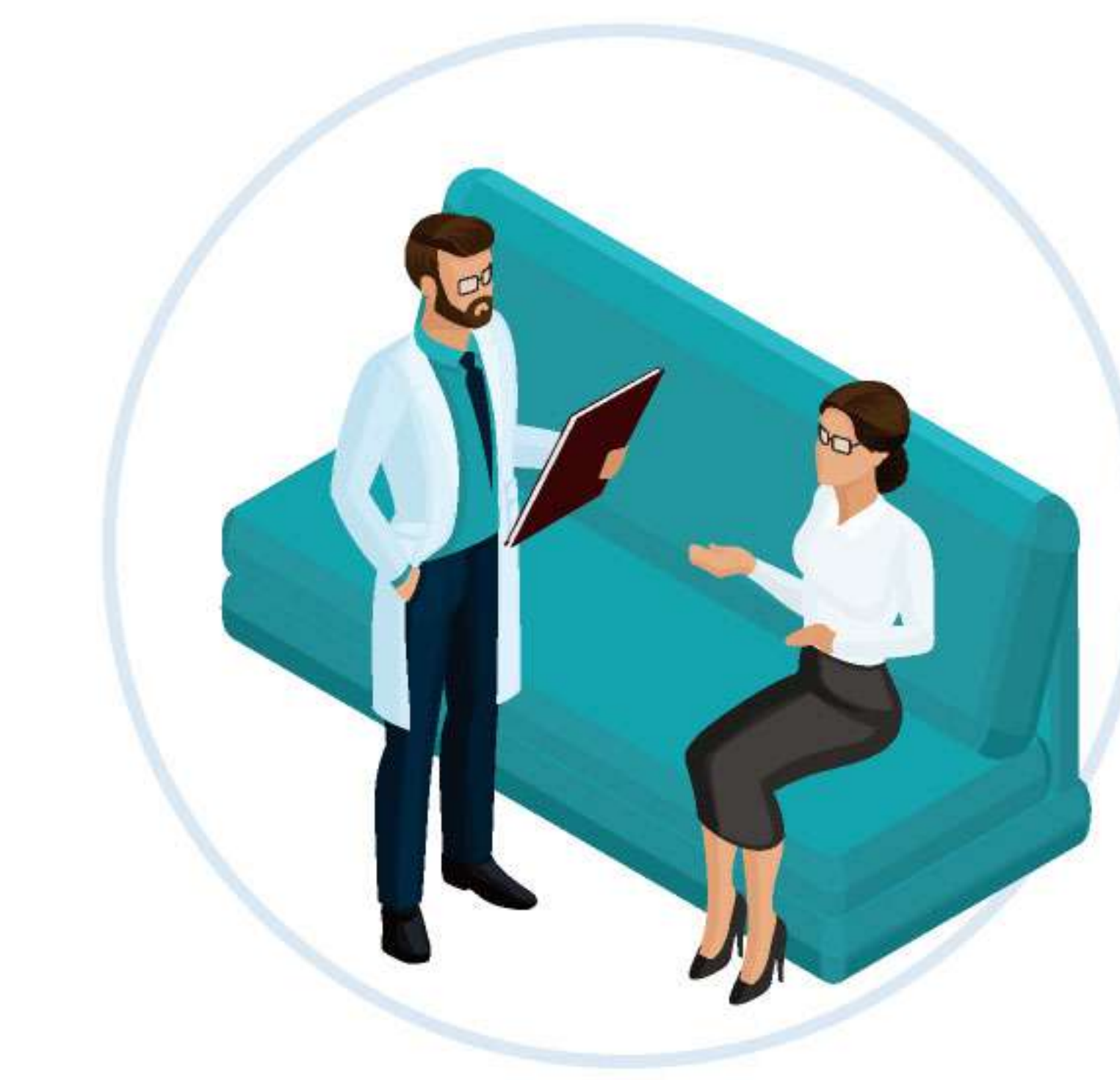
Scientific research institution



Clinical departments



Mobile health care



Physical examination

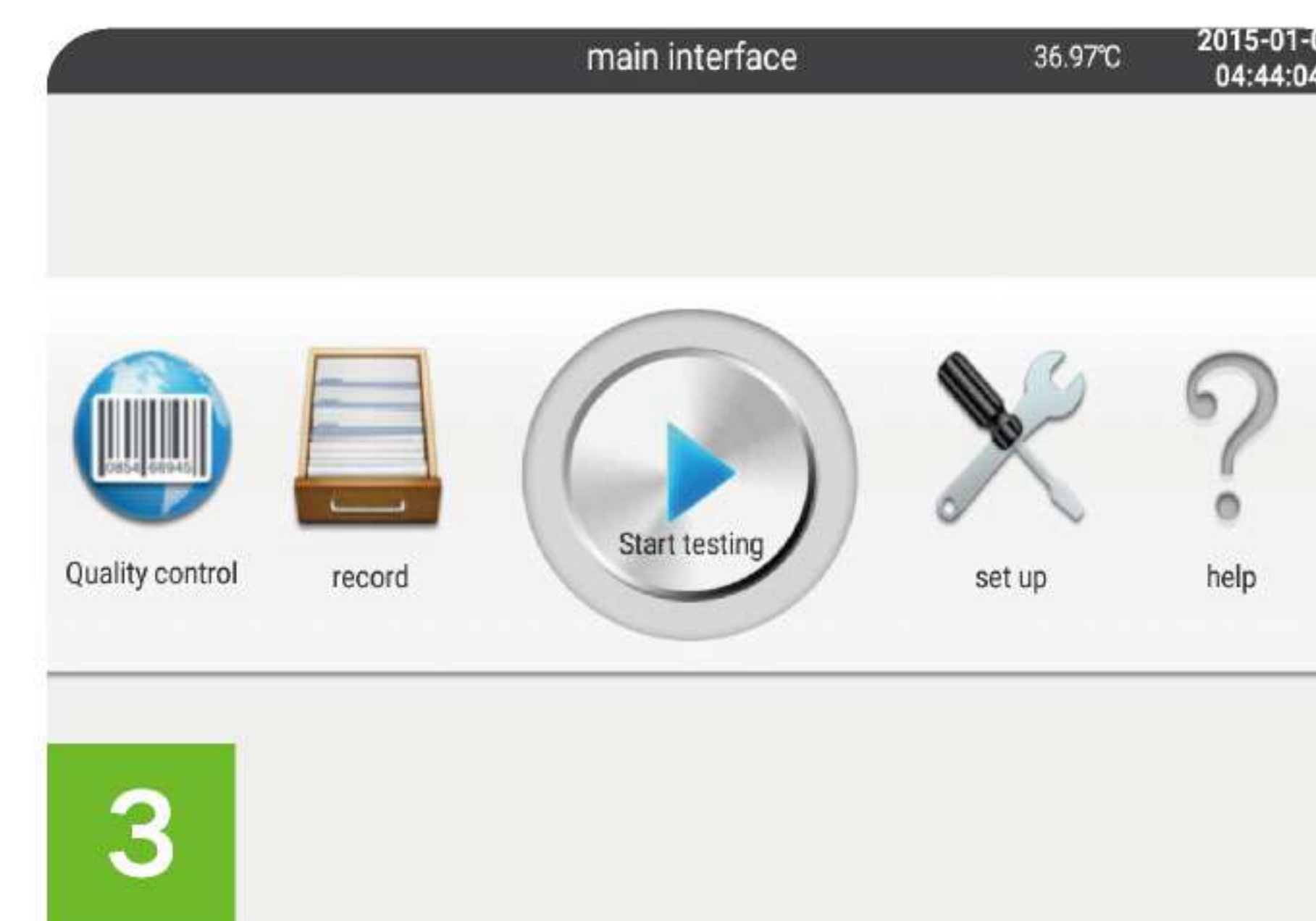
Operation Process



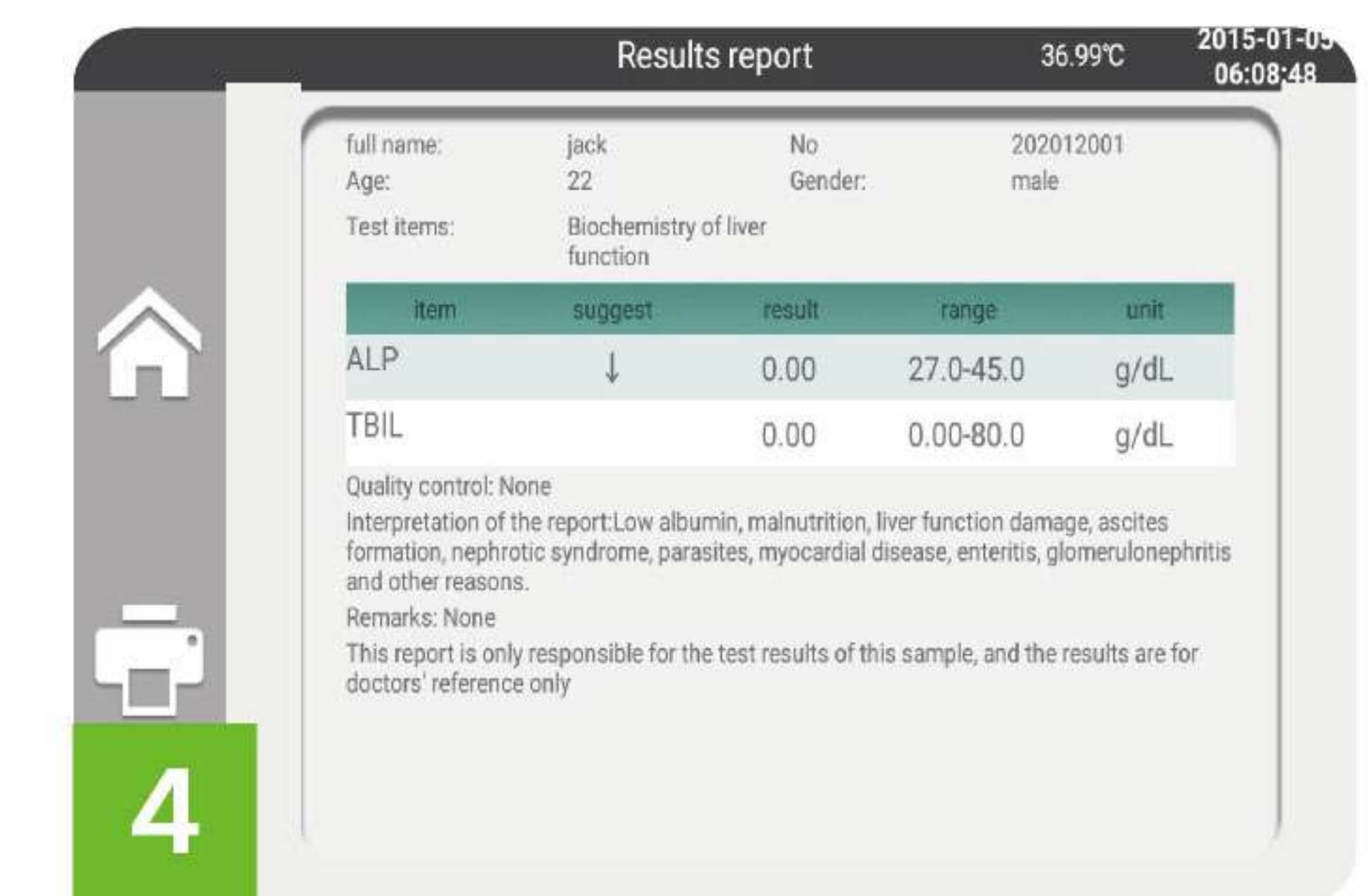
1 Put disc in



2 Add sample and dilution



3 Click "start"



4 Output results



Accessible health testing at your side



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