SPECTRUM
Medical Industries Pvt. Ltd.

Snibe
Diagnostic

MAGLUMI® X6

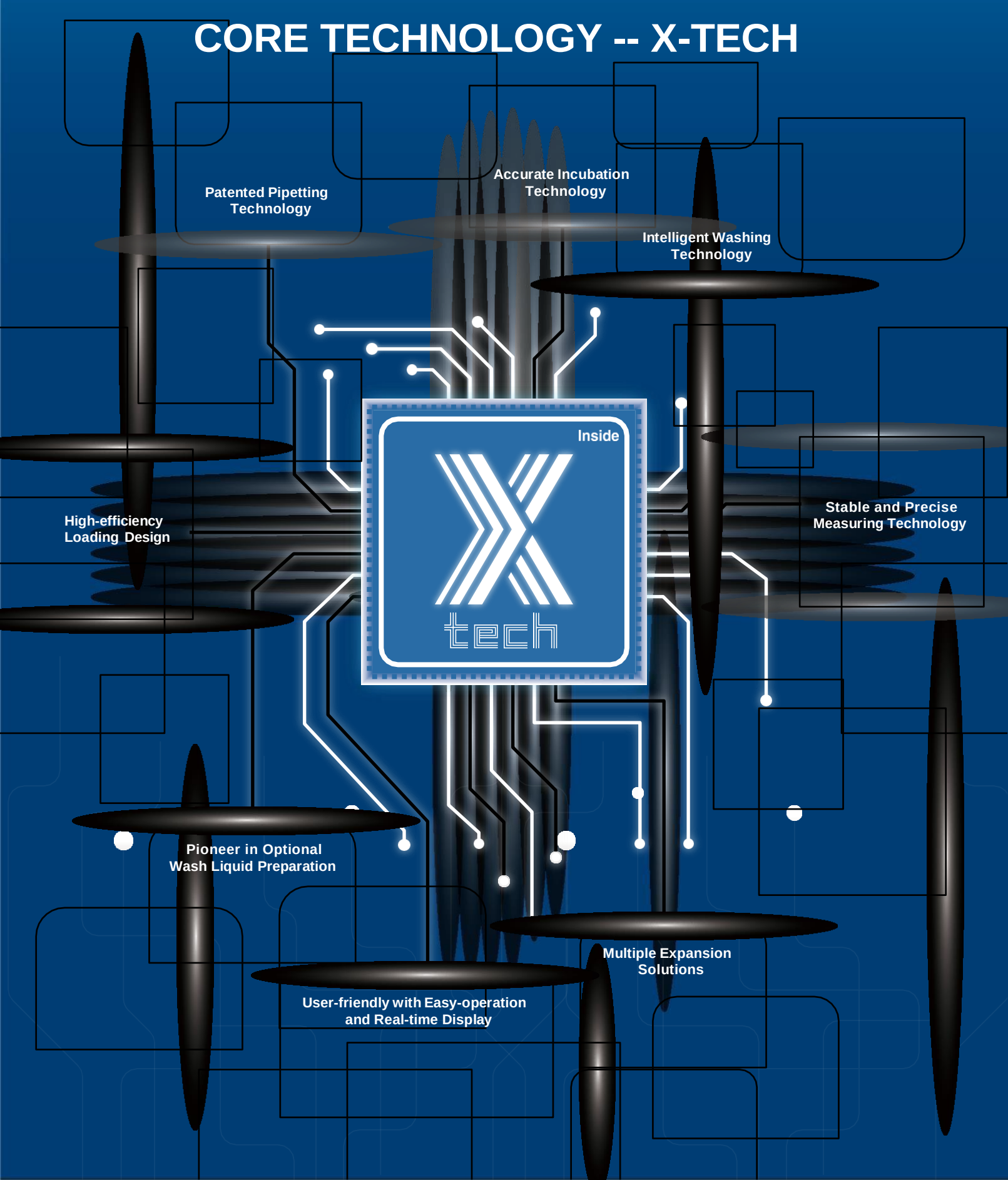
Fully-auto Chemiluminescence Immunoassay Analyzer



Flexible CLIA Solution
For Medium/High-volume Laboratory

Innovation Brings Revolution

CORE TECHNOLOGY -- X-TECH



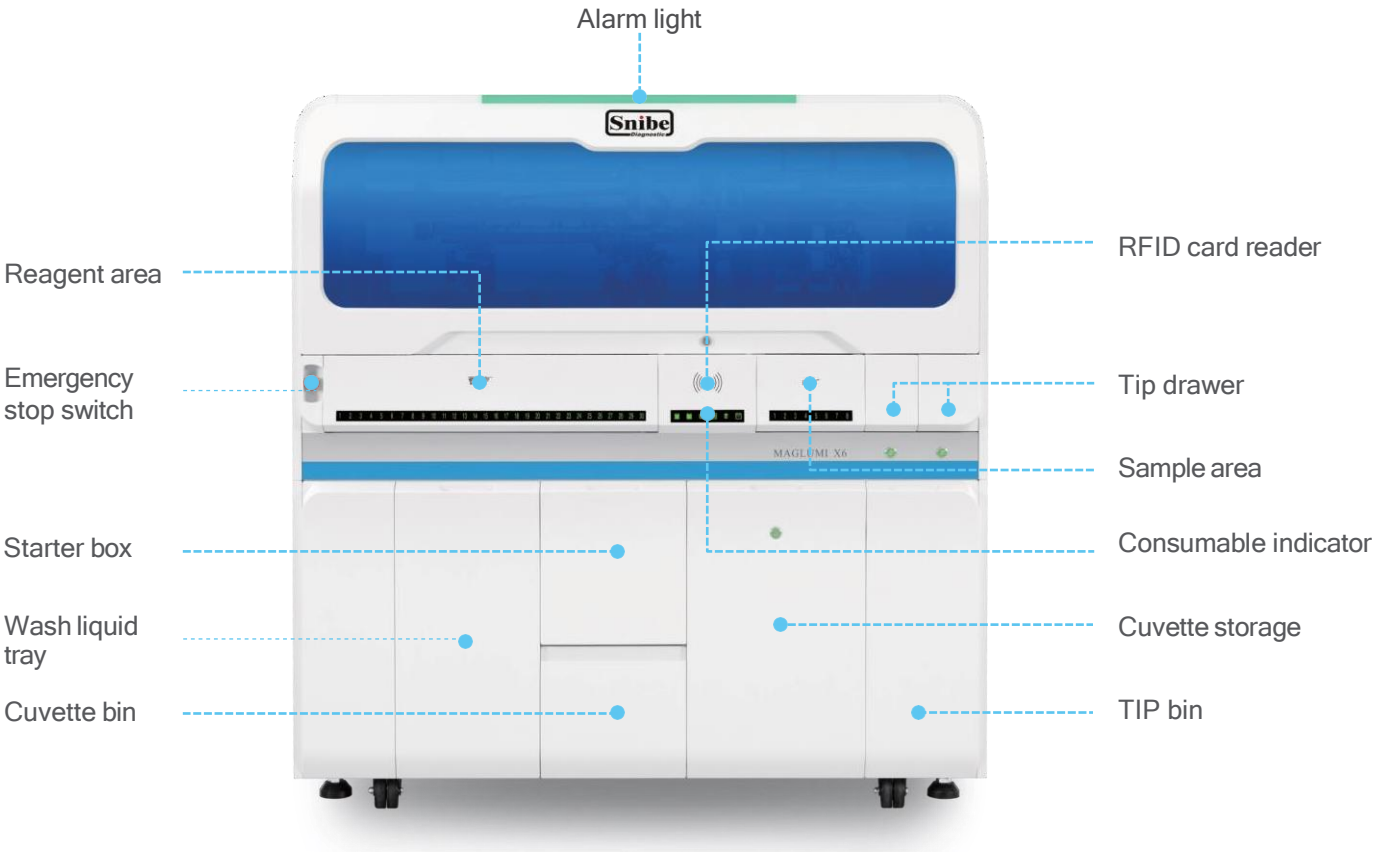
MAGLUMI® X6

Based on X-Tech, gives you more possibility

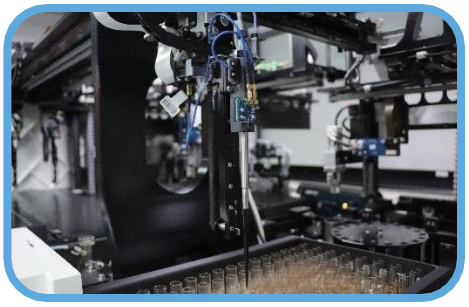
- Throughput: 450 T/H
- Throughput per unit area: up to 320 T/H/m^2
- On board capability: 112/412 samples
- Reagent position: 30
- Walk-away tests: up to 2000 tests
- Cuvettes loading in one time: up to 2002



Illustration

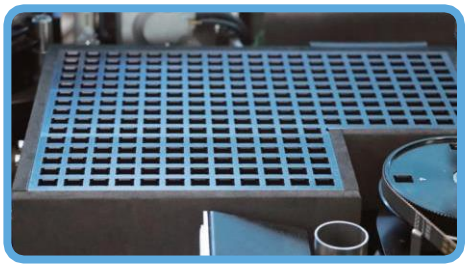


Advanced Technology



Patented Pipetting Technology

- A revolutionary pipetting volume from 10-280 µl sampling volume
- Disposable filtered Tips avoid aerosol pollution, ensure no cross-contamination during the test
- Higher pipetting accuracy with low pipetting CV
- One pipetting for multiple test to save the costs



Accurate Incubation Technology

- Single cuvette with five-sided heating at 37°C, ensuring accurate, quick and uniform incubation
- Incubating 243 cuvettes simultaneously
- Non-contact mixing with different modes before incubation, ensuring sufficient reaction.



Intelligent Washing Technology

- Magnetic separation washing with 4-group independent units and non-contact vortex mixing can reduce non-specific binding
- Different mixing modes depending on different assays, ensuring a sufficient washing to improve sensitivity



Stable and Precise Measuring Technology

- PMT with heating and cooling function, ensuring the detection precision
- Independent measuring room, avoiding light cross contamination

All Balance and Strong

Multiple Expansion Solution

- 112 sample positions, up to 412 sample positions with expansion
- Capable to link laboratory automation system
- Multiple X6 units can be connected



Pioneer in Optional Wash Liquid Preparation

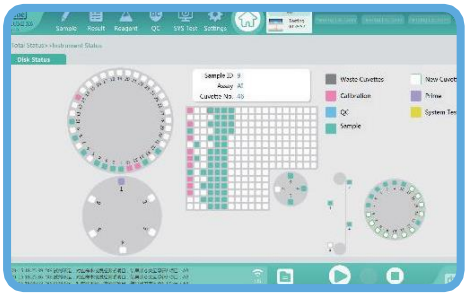
*Two modes: Automatic or Manual

- Select Auto mode on the software, connect the X6 to the water purification system, ease your operational burden
- If water purification system is not available, the preparation can be done by manually mixing the wash liquid with pure water



User-friendly Design

- Fully automated analyzer from sample to result
- Light indicator and intelligent UI makes operation visualized
- Integrated packaging of cuvettes designed avoids damaging the cuvette wall
- One-side operation saves your space
- Real-time display and light indicater realize convenient management of analyzer status
- Up to 2000 walk-away test to economize manpower



High-efficiency Loading Design

- No-pause sample/reagent loading/unloading without interrupt the test
- RFID saves the informaion, saves your time
- All sample can be defined as STAT to be tested in priority
- Four kinds of pipetting error detection technologies reduce sampling error rate



Top 10 Highlights of MAGLUMI® X6

1. Throughput up to 450 T/H —— One of the highest throughput analyzer with the same size.
2. Flexible sample positions design, from 112 to 412 which just require small upgrading.
3. Dual-mode wash liquid preparation ——Automatic or manual based on multiple scenarios.
4. No-pause sample loading/unloading design and STAT mode to avoid wasting your time.
5. Up to 2000 walk-away tests to avoid high frequency of manual intervention.
6. "One-side operations" design to save your working space.
7. Intelligent **SnibeLinker™** remote service solution to ensure the fast response.
8. **MAGLUMI®** reagent kits are compatible with all **MAGLUMI®** series analyzers.
9. Intelligent UI interface, user-friendly, easy and convenient operation.
10. Four key technology design of **MAGLUMI®** X6 guarantee accurate and reliable results

MAGLUMI® X6 Reagent and Consumables



Cuvettes



Disposable TIPs



Starter 1+2



Wash Concentrate



Tubing Cleaning Solution



Light Check

Broad CLIA Test Menu with 211 Assays

Thyroid
TSH (3rd Generation)
T4
T3
FT4
FT3
Tg (Thyroglobulin)
TGA (Anti-Tg)
Anti-TPO
TRAb
TMA
Rev T3
T-Uptake

Hepatic Fibrosis
HA
PIIIP N-P
C IV
Laminin
Cholyglycine
*GP73

TORCH
Toxo IgG
Toxo IgM
Rubella IgG
Rubella IgM
CMV IgG
CMV IgM
HSV-1/2 IgG
HSV-1/2 IgM
HSV-1 IgG
HSV-2 IgG
*HSV-2 IgM
*HSV-1 IgM
*Toxo IgG Avidity
*CMV IgG Avidity

STAT-X™
*hs-cTnI
*NT-proBNP
*Myogobin
*D-dimer
*PCT
*CRP

EBV
EBV EA IgG
EBV EA IgA
EBV VCA IgG
EBV VCA IgM
EBV VCA IgA
EBV NA IgG
EBV NA IgA

Inflammation Monitoring
CRP
PCT (Procalcitonin)
IL-6 (Interleukin 6)
SAA (Serum Amyloid A)
*PCT (STAT)
*CRP (STAT)
*TNF-α

Kidney Function
β_2-MG
Albumin
*NGAL

Fertility
FSH
LH
HCG/β-HCG
PRL (Prolactin)
Estradiol
Testosterone
free Testosterone
DHEA-S
Progesterone
free Estriol
17-OH Progesterone
AMH
SHBG
Androstenedione
PlGF
sFlt-1

Autoimmune
Anti-CCP
Anti-dsDNA IgG
ANA Screen
ENA Screen
Anti-Sm IgG
Anti-Rib-P IgG
Anti-Scl-70 IgG
Anti-Centromeres IgG
Anti-Jo-1 IgG
Anti-M2-3E IgG
Anti-Histones IgG
Anti-nRNP/Sm IgG
Anti-SS-B IgG
Anti-SS-A IgG
TGA (Anti-Tg)
Anti-TPO
TRAb
TMA
ICA
IAA (Anti Insulin)
GAD 65
Anti-IA2
*ZnT8
Anti-MPO IgG
*Anti-PR3 IgG
*Anti-GBM IgG
*Anti-Cardiolipin IgG
*Anti-Cardiolipin IgM
*Anti-Cardiolipin IgA
*Anti-Cardiolipin screen
*β2-Glycoprotein I IgG
*β2-Glycoprotein I IgM
*β2-Glycoprotein I IgA
*β2-Glycoprotein I screen
*Anti-tTG IgA
*Anti-tTG IgG
*DGP IgA
*DGP IgG

Hypertension
Direct Renin
Aldosterone
Angiotensin I
Angiotensin II
Cortisol
ACTH

Immunoglobulins
IgM
IgA
IgE
IgG

Tumor Markers
AFP
CEA
Total PSA
f-PSA
CA 125
CA 15-3
CA 19-9
PAP
CA 50
CYFRA 21-1
CA 242
CA 72-4
NSE
S-100
SCCA
TPA-snibe
ProGRP
HE4
HER-2
PIVKA-II

Infectious Disease
HBsAg
Anti-HBs
HBeAg
Anti-HBe
Anti-HBc
Anti-HBc IgM
Anti-HCV
Syphilis
Anti-HAV
HAV IgM
*HEV IgG
*HEV IgM
HIV Ab/Ag Combi
Chagas
HTLV I+II
H.pylori IgG
H.pylori IgA
H.pylori IgM
2019-nCoV IgG
2019-nCoV IgM
SARS-CoV-2 S-RBD IgG
SARS-CoV-2 Neutralizing Antibody
SARS-CoV-2 Ag
Monkeypox Virus Ag
Dengue Virus IgG
Dengue Virus NS1
*Dengue Virus IgM
*Chlamydia Pneumoniae IgG
*Chlamydia Pneumoniae IgM
*Mycoplasma Pneumoniae IgG
*Mycoplasma Pneumoniae IgM

Veterinary Testing
*cTSH
*cTT4
*vFT4

Glyco Metabolism
C-Peptide
Insulin
GAD 65
Anti-IA2
ICA
IAA (Anti Insulin)
Proinsulin
*Glucagon
*ZnT8

Cardiac
CK-MB
Troponin I
Myoglobin
hs-cTnI
hs-CRP
H-FABP
NT-proBNP
BNP
D-Dimer
Lp-PLA2
MPO
*HCY
*hs-cTnI (STAT)
*NT-proBNP (STAT)
*Myogobin (STAT)
*D-dimer (STAT)

Coagulation Markers
D-Dimer
*TAT
*TM
*PIC
*tPAIC

Metabolism
Pepsinogen I
Pepsinogen II
Gastrin-17
GH (hGH)
IGF-I
IGFBP-3

Prenatal Screening
AFP (Prenatal Screening)
free β-HCG
PAPP-A
free Estriol

Anemia
Vitamin B12
Ferritin
Folate (FA)
EPO
RBC Folate

Drug Monitoring
Digoxin
CSA (Cyclosporine A)
FK 506 (Tacrolimus)

Bone Metabolism
Calcitonin
Osteocalcin
25-OH Vitamin D
Intact PTH
β-CTx
total P1NP

*Available soon

Technical Specifications

Main Features

- Throughput: up to 450 T/H (Single module)
- Sample expansion available
- Integrated wash liquid preparation
- Up to 2000 walk-away tests
- Modular Expanding Flexibility:
  *Capable to integrated several modules
  *Capable to link with Laboratory Automation System (TLA/LAS)

Reagent Loading

- 30 reagent positions on board with no-pause loading/unloading
- Double temperature mode ensures working temperature at 8°C-12°C and storage temperature at 2°C-8°C
- RFID reading all information of reagent
- Indicator light available, real-time status monitoring

Sample Loading

- Up to 112 sample positions (412 with expansion)
- No-pause loading/unloading, STAT available
- Indicator light available, real-time status monitoring
- Barcode recognition: Barcode reader available
- Sample editing mode: Lis connection, barcode recognition, manual editing

Reagent Features

- **MAGLUMI®** reagent kits are compatible with all **MAGLUMI®** analyzers
- Free calibrators and internal controls included
- 10 points master curve, 2-points re-calibration
- RFID tag storing all information of reagents
- Storage temperature 2°C-8°C

Reaction System

- Single cuvette with five-sided heating at 37.0°C (±0.3°C) incubation, ensuring accurate, quick and uniform incubation
- Non-contact mixing with different modes before incubation, ensuring sufficient reaction

Tip Storage

- Up to 384 TIPs loaded one time
- Intelligent loading technology, continuous loading, real-time reserve monitoring

Sampling System

- New generation pipetting technology realizes lower volume
- Filtered TIP avoids aerosol pollution
- Liquid level detection, clot detection, prevent bubble interference, collision detection, wash automatically

Consumable System

- Single reaction cup design, no-pause loading/unloading
- Starters: 1.5 L of Starter 1 and Starter 2
- Wash liquid: Up to load 140 L at one time automatically
- Indicator light monitors real-time consumable quantity

Washer

- Intelligent magnetic field design ensures excellent separation
- Three independent non-contact magnetic microbeads vortex cleaning technology
- Resuspension washing mode efficiently reduces non-specific binding and improves sensitivity
- Independent washing unit for waste liquid needle can completely wash without residue
- Integrated auto and manual preparation of wash liquid

Measuring Chamber

- High-sensitivity and low-noise photomultiplier tube (PMT)
- Heating and cooling bidirectional temperature control function included
- Original light pollution isolation technology prevents light pollution and ensures accurate and reliable results

Software System

- Friendly software UI design, humanized instrument operation procedure
- Real-time status display for each test procedure
- Self-recovery function make sure the analyzer running smoothly without unnecessary manual intervention
- Bidirectional **Snibelis™** connection by TCP/IP and COM Port
- Supporting **SnibeLinker™** remote diagnosis system

Dimensions & Weight

- Dimensions: 148.2*94*155 cm
- Weight: 450 kg

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