

# MAGLUMI® X6

Fully-auto Chemiluminescence Immunoassay Analyzer



**Flexible CLIA Solution  
For Medium/High-volume Laboratory**



**Innovation Brings Revolution**

## **CORE TECHNOLOGY – X-TECH**

**Patented Pipetting  
Technology**

**Accurate Incubation  
Technology**

**Intelligent Washing  
Technology**

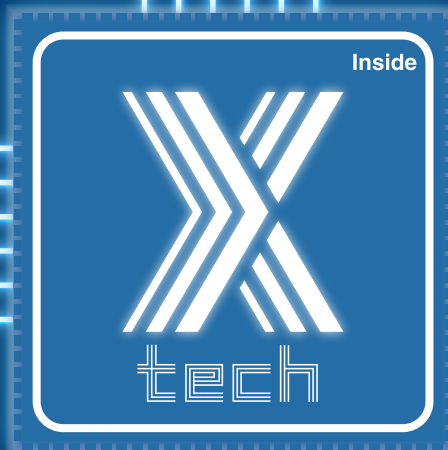
**High-efficiency  
Loading Design**

**Stable and Precise  
Measuring Technology**

**Pioneer in Optional  
Wash Liquid Preparation**

**User-friendly with Easy-operation  
and Real-time Display**

**Multiple Expansion  
Solutions**





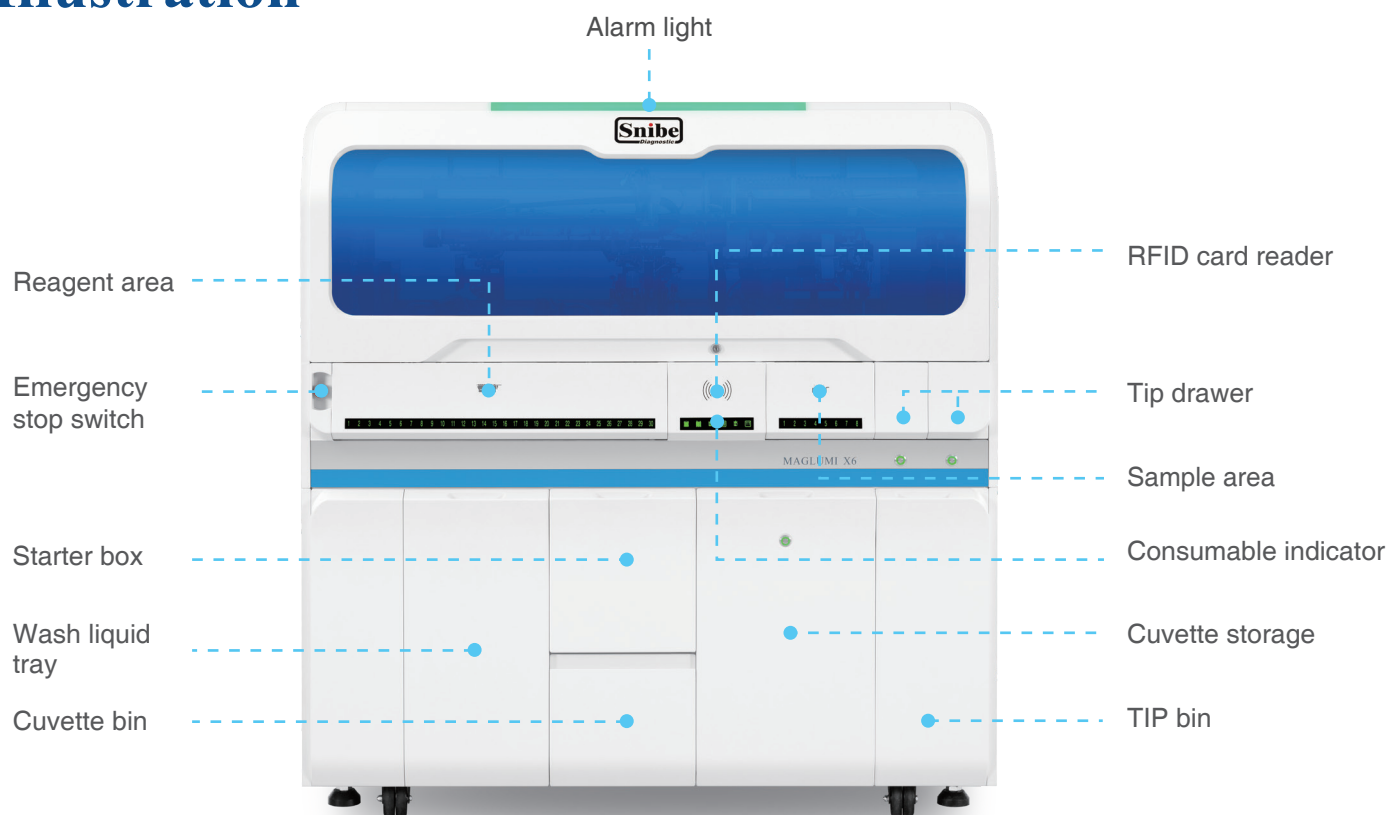
## MAGLUMI® X6

Based on X-Tech, gives you more possibility

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

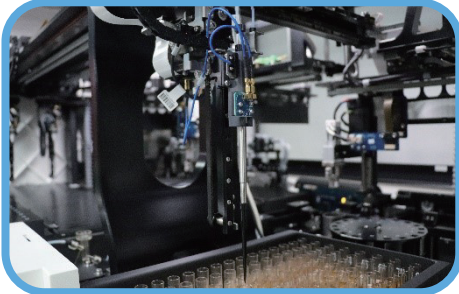


## Illustration



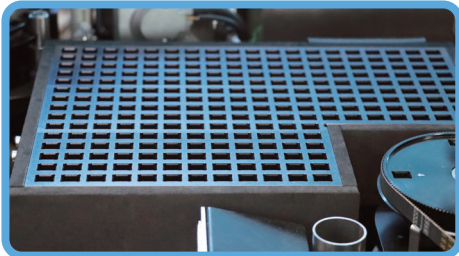


## Advanced Technology



### Patented Pipetting Technology

- A revolutionary pipetting volume from 10-280  $\mu$ l 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

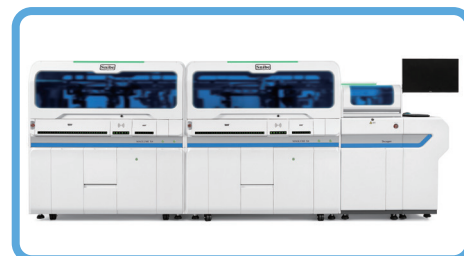


### Stable and Precise Measuring Technology

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

## 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

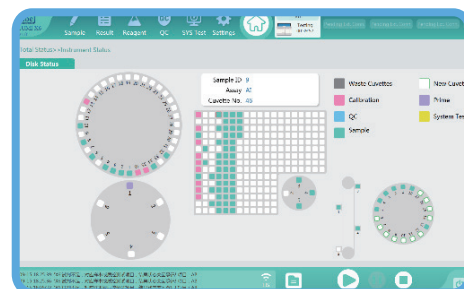
\*Two modes: Automatic or Manual

- 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 indicator 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 information, 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  
\*Myoglobin  
\*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<sub>2</sub>-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  
PIGF  
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)  
\*Myoglobin (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 ( $\pm 0.3^\circ\text{C}$ ) 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

MAGLUMI®, Snibelis™ and SnibeLinker™ are trademarks of Snibe.  
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Shenzhen New Industries Biomedical Engineering Co., Ltd.  
(SNIBE Co., Ltd.)

No.23, Jinxiu East Road, Pingshan District, 518122 Shenzhen,  
P.R. China

Tel: +86 755 26501514

Email: sales@snibe.com

Fax: +86 755 26654850

Web: www.snibe.com

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