

# 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

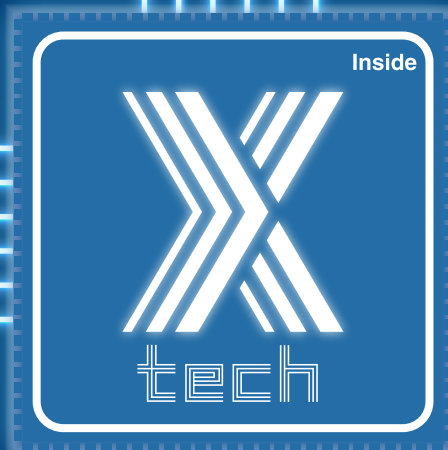
High-efficiency  
Loading Design

Stable and Precise  
Measuring Technology

Pioneer in Optional  
Wash Liquid Preparation

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

Multiple Expansion  
Solutions





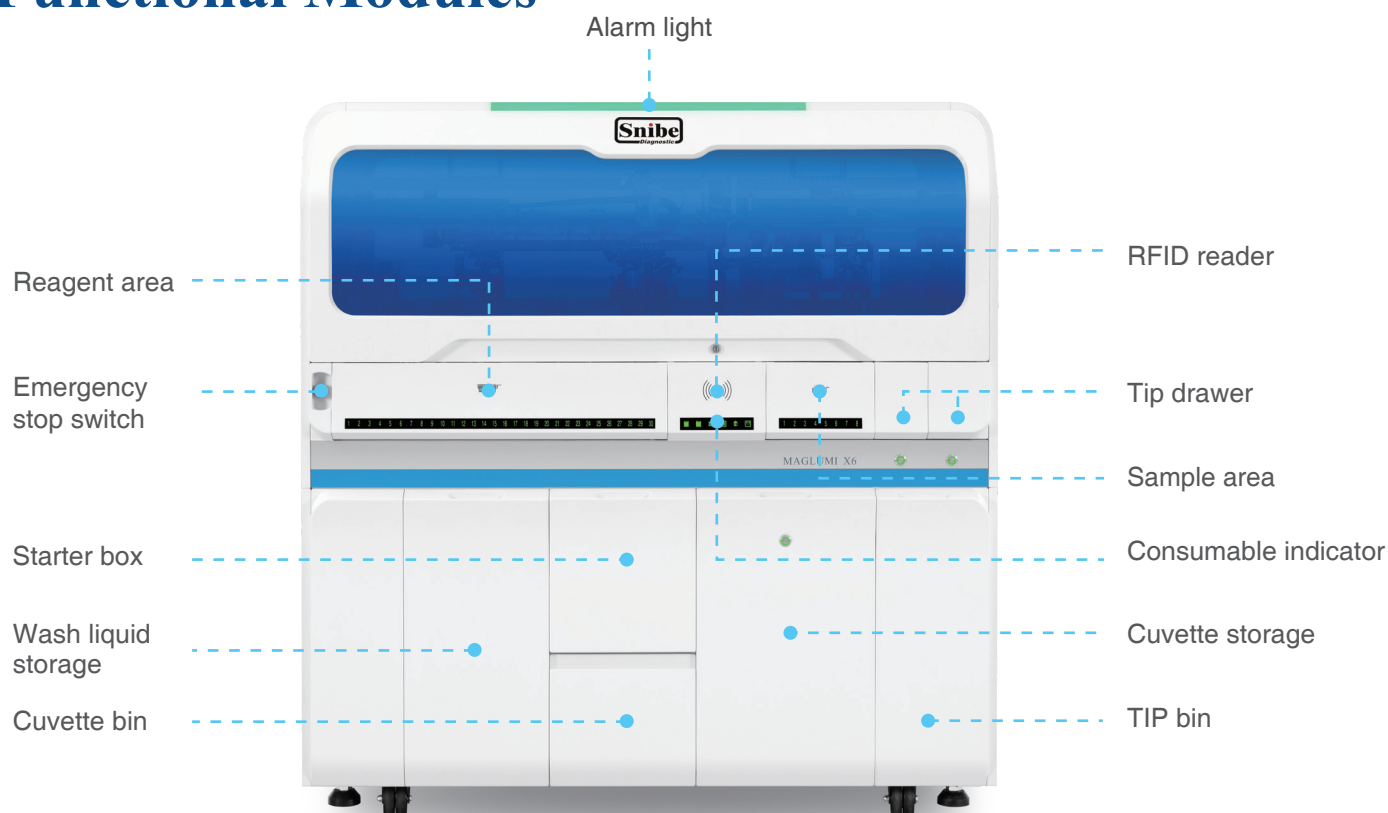
## MAGLUMI® X6

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

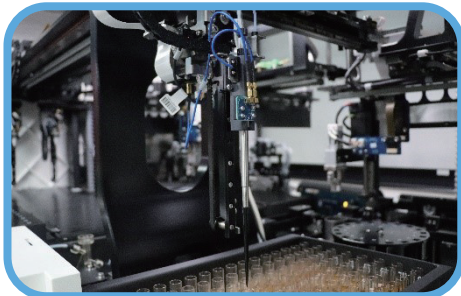


## Functional Modules



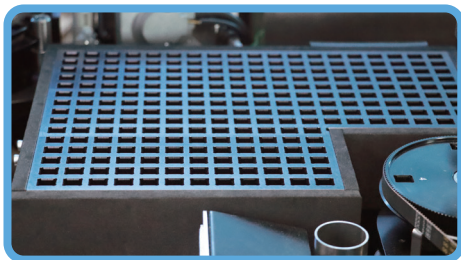


## Advanced Technology



### Patented Pipetting Technology

- A revolutionary sample pipetting volume from 10 to 280  $\mu$ l
- Disposable filtered Tips avoid aerosol pollution, ensuring no cross-contamination during the test
- Higher pipetting accuracy with low pipetting CV
- One pipetting for multiple tests to save cost



### 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 thorough 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 with laboratory automation system
- Multiple X6 units can be connected



## Pioneer in Optional Wash Liquid Preparation

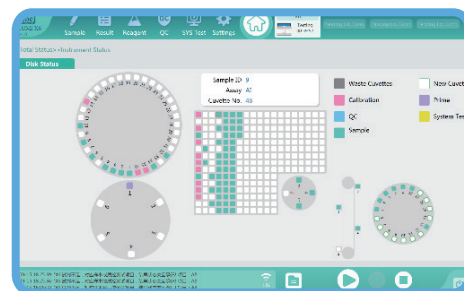
\*Two modes: Automatic or Manual

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



## User-friendly Design

- Fully automated analyzer from sample to result
- Light indicator and intelligent UI make operation visualized
- Integrated packaging of cuvettes design 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 tests to economize manpower



## High-efficiency Loading Design

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



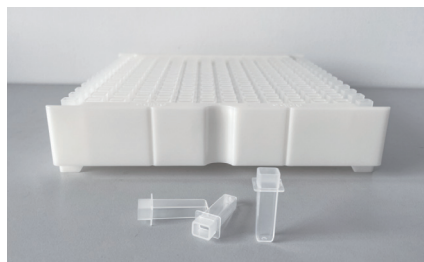




## Top 10 Highlights of MAGLUMI® X6

- 1 Throughput up to 450 T/H — One of the highest throughput analyzer with the same size.
- 2 Flexible sample positions from 112 to 412 with just small upgrades.
- 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 operation" 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 for easy and convenient operation.
- 10 Four key technologies of **MAGLUMI®** X6 guarantee accurate and reliable results.

## MAGLUMI® X6 Consumables



Reaction Cup



Disposable TIPS



Starter 1+2



Wash Concentrate



Tubing Cleaning Solution



Light Check

# Broad CLIA Test Menu with 236 Assays



## Thyroid

TSH (3rd Generation) <small>ADV</small>	FT3 <small>ADV</small>	TRAb
T4 <small>ADV</small>	Tg (Thyroglobulin) TMA	
T3 <small>ADV</small>	TGA (Anti-Tg)	Rev T3
FT4 <small>ADV</small>	Anti-TPO	T-Uptake

## Bone Metabolism

Calcitonin	25-OH Vitamin D <small>ADV</small>	β-CTx
Osteocalcin	Intact PTH	total P1NP
*PTH (1-84)		

## Hepatic Fibrosis

HA	C IV	Cholyglycine
PIIIP N-P	Laminin	GP73

## Immunoglobulins

IgM	IgA	IgE	IgG
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## Glyco Metabolism

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

## Tumor Markers

AFP	PAP	SCCA
CEA	CA 50	TPA-snibe
Total PSA	CYFRA 21-1	ProGRP
f-PSA	CA 242	HE4
CA 125	CA 72-4	HER-2
CA 15-3	NSE	PIVKA-II
CA 19-9	S-100	*AFP-L3%

## Anemia

Vitamin B12	EPO	*Anti-Intrinsic Factor
Ferritin	RBC Folate	*Active B12
Folate (FA)		

## STAT-EX™

*hs-cTnI <small>STAT-EX™</small>	*Myoglobin <small>STAT-EX™</small>	*PCT <small>STAT-EX™</small>
*NT-proBNP <small>STAT-EX™</small>	*D-Dimer <small>STAT-EX™</small>	*CRP <small>STAT-EX™</small>

## Hypertension

Direct Renin	Angiotensin I	Cortisol
Aldosterone	Angiotensin II	ACTH

## Fertility

FSH	free Testosterone	SHBG
LH	DHEA-S	Androstenedione
HCG/β-HCG <small>ADV</small>	Progesterone	PIGF
PRL (Prolactin)	free Estradiol	sFlt-1
Estradiol	17-OH Progesterone	*Inhibin A
Testosterone	AMH	*Inhibin B

## Infectious Disease

Respiratory	Hepatitis	Others
2019-nCoV IgG	HBsAg	HIV Ab/Ag Combi
2019-nCoV IgM	Anti-HBs	Syphilis
SARS-CoV-2 S-RBD IgG	HBeAg	Chagas
SARS-CoV-2 Neutralizing Antibody	Anti-HBe	HTLV I+II
SARS-CoV-2 Ag	Anti-HBc	<i>H. pylori</i> IgG
<i>Mycoplasma pneumoniae</i> IgG	Anti-HBc IgM	<i>H. pylori</i> IgA
<i>Mycoplasma pneumoniae</i> IgM	Anti-HCV	<i>H. pylori</i> IgM
<i>Chlamydia pneumoniae</i> IgG	Anti-HAV	* <i>H. pylori</i> Ag
<i>Chlamydia pneumoniae</i> IgM	HAV IgM	Dengue Virus IgG
*Respiratory Syncytial Virus IgM	*HBV Pre-S1 Ag	Dengue Virus NS1
*Coxsackievirus B IgM	*HEV IgG	*Dengue Virus IgM
*Adenovirus IgM	*HEV IgM	Monkeypox Virus Ag
*Influenza A Virus IgM		
*Influenza B Virus IgM		
* <i>Legionella pneumophila</i> IgM		
*Human Parainfluenza Virus IgM		

## TORCH

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

## EBV

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

## Prenatal Screening

AFP (Prenatal Screening)	free β-HCG	*Inhibin A
free Estradiol	PAPP-A	

## Cardiac

CK-MB	NT-proBNP	*sST2
Troponin I	BNP	*hs-cTnI <small>STAT-EX™</small>
Myoglobin	D-Dimer	*NT-proBNP <small>STAT-EX™</small>
hs-cTnI	Lp-PLA2	*Myoglobin <small>STAT-EX™</small>
hs-CRP	MPO	*D-Dimer <small>STAT-EX™</small>
H-FABP	HCY	

## Autoimmune

Connective Tissue Disease	Rheumatoid Arthritis	Endocrinology
ANA Screen	Anti-CCP	Anti-TPO
ENA Screen	*RF IgM	TGA (Anti-Tg)
Anti-dsDNA IgG	*RF IgG	TRAb
Anti-Sm IgG	*RF IgA	TMA
Anti-Rib-P IgG	*RF Screen	GAD 65
Anti-SS-B IgG		Anti-IA2
Anti-SS-A IgG		ICA
Anti-Jo-1 IgG	<b>Celiac Disease</b>	IAA (Anti Insulin)
Anti-Scl-70 IgG	Anti-tTG IgA	*Anti-ZnT8
Anti-Centromeres IgG	Anti-tTG IgG	
Anti-Histones IgG	DGP IgA	
Anti-nRNP/Sm IgG	DGP IgG	
*Anti-Ro-52 IgG		<b>Vasculitis</b>
*Anti-PM-Scl IgG	<b>Autoimmune Liver Disease</b>	Anti-MPO IgG
*Anti-Nucleosome IgG	Anti-M2-3E IgG	*Anti-PR3 IgG
		*Anti-GBM IgG

## Antiphospholipid Syndrome

Anti-Cardiolipin IgG	β2-Glycoprotein I IgG
Anti-Cardiolipin IgM	β2-Glycoprotein I IgM
*Anti-Cardiolipin IgA	*β2-Glycoprotein I IgA
*Anti-Cardiolipin Screen	*β2-Glycoprotein I Screen

## Inflammation Monitoring

CRP	IL-6 (Interleukin 6)	*PCT <small>STAT-EX™</small>
PCT (Procalcitonin)	SAA (Serum Amyloid A)	*CRP <small>STAT-EX™</small>
TNF-α	*VEGF	

## Metabolism

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

## Kidney Function

β <sub>2</sub> -MG	Albumin	*NGAL
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## Drug Monitoring

Digoxin	CSA (Cyclosporine A)	FK 506 (Tacrolimus)
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## Coagulation Markers

D-Dimer	TM	tPAIC
TAT	PIC	*FDP

## Veterinary Testing

cTSH	cTT4	vFT4
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\*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 in 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
- 4-Step high-efficiency washing technology with non-contact vortex mixing
- 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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