Snibe Diagnostic

30th 1995 - 2025

MAGLUMI® X Series

Fully-auto Chemiluminescence Immunoassay System

All Balanced and Strong

FDA 510(K) Cleared

CORE TECHNOLOGY — X-TECH

1 Xpert
We aim to be expert in CLIA

2 Xclusive
We apply exclusive technology

3 Xcellent
We present excellent performance

4 Xplore
We explore the unknown field

MAGLUMI® X3

Save Your Space Without Compromise

Compatible with Small and Medium-sized Hospitals and Labs

200
Tests/Hour

< 0.68 m²
Space Occupied

72
Sample Positions

20
Reagent Positions

80
Incubation Positions

Small but strong

- The throughput per unit area is 294 T/h/m²
- Compatible with all **MAGLUMI®** reagents with perfect compatibility (256 parameters)

Low failure rate and accurate result

- Reaction cup can prevent light pollution, ensuring the accuracy of results
- Integrated packaging of cuvettes avoids the stuck, blockage and scratch
- TEFLON-coated pipetting needle is equipped with independent washing unit to avoid carry-over, ensuring accurate results

Excellent performance

- Advanced design of **MAGLUMI®** X3 ensures excellent performance, such as the latest intelligent washing technology and bidirectional temperature control measurement

Convenient and efficient

- No-pause loading/unloading of reagents/samples/reaction cups without waiting or interrupting tests
- Intuitive indicator lights make no need to check reagents and consumables frequently

Cost-efficient and intelligent

- Saving consumable cost by not using disposable Tips
- Pipetting needle with three error detection technologies (liquid level /clot /collision), reducing error rate

MAGLUMI® X6

Flexible Combination to Meet Various Needs

Targeted for Medium/High-volume Laboratory

450
Tests/Hour

2000
Walk-away Tests

112/412
Sample Positions

30
Reagent Positions

243
Incubation Positions

Fast and cost-efficient

- 450 T/H with mid-size, suitable for medium- to high-volume laboratories
- Compatible with all **MAGLUMI®** reagents with perfect compatibility (256 parameters)

Convenience and high efficiency

- No-pause loading and unloading of reagents, samples and consumables without interrupting tests
- One-stop, one-side operation saving space and steps
- Intelligent **SnibeLinker™** remote service solution ensures the fast response

Flexible combination according to requirements

- Sample positions can be expanded to 412 with additional sample area module
- Capable to link Total Laboratory Automation System (TLA)

User-friendly design

- Up to 2000 walk-away tests to avoid high frequency of manual intervention
- Dual-mode wash liquid preparation—automatic or manual
- Intelligent UI, user-friendly, easy and convenient operation

Advanced and accurate function

- A revolutionary pipetting volume of 10~280 μL with higher accuracy and low pipetting CV
- Four kinds of pipetting error detection technologies reduce sampling error rate

MAGLUMI® X8

Super-high Throughput CLIA Solution

Targeted for Large Labs, Chain Labs and Hospitals

600 Tests/Hour

2800 Walk-away Tests

300 Sample Positions

42 Reagent Positions

252 Incubation Positions

Excellent performance

- One of the fastest CLIA analyzers with 600 T/H (Single module)
- Up to 2400 T/H (Four modules combined)
- Compatible with all **MAGLUMI®** reagents with perfect compatibility (256 parameters)

Saving manpower

- Long walk-away time—2800 tests, saves human labor greatly
- 2912 cuvettes loading in one time with fully-auto cuvette loader, no need to add frequently

Advanced intelligence

- Capable to link Laboratory Automation System (TLA/LAS)
- Capable to integrate with **Biossays®** C8 (High-throughput Chemistry Analyzer) and decapper module

Considerate design

- Multidimensional indicator lights, real-time monitoring of analyzer's status from a distance
- Dual-mode wash liquid preparation—automatic or manual
- Automatic reagent cover plate and dual temperature mode reduce reagent volatilization and enhance the stability of reagent kits on board

Convenient operation

- User-friendly interface, easy and convenient operation
- No-pause loading and unloading of reagents, samples and consumables without interrupting tests

Outstanding Technologies — X-tech

Advanced Patented Pipetting Technology *

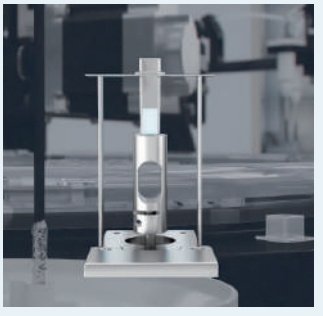
Patented pipetting technology for samples

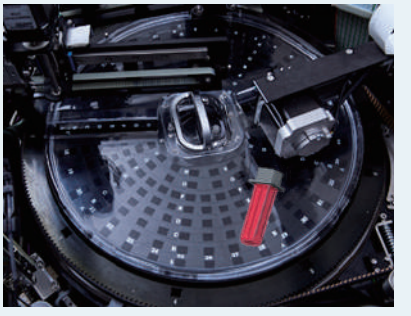
- A revolutionary pipetting technology with highly accurate volume, ensuring reliable results
- Four kinds of pipetting error detection technologies (liquid level/clot/bubble/collision detection) reduce error rate

Disposable filtered Tips

- Integrated packaging of disposable filtered Tips ensures no cross-contamination and low failure rate, and avoids aerosol pollution
- One pipetting for multiple tests technology reduces test time and Tips cost

Accurate Incubation Technology





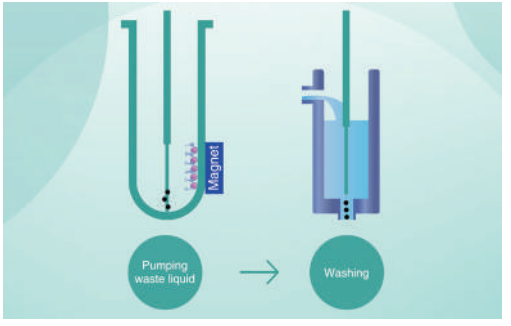
- **Non-contact mixing**
  Before incubation, non-contact mixing with different modes ensures sufficient reaction
- **Accurate incubation**
  Single cup design for each test with at least five-sided (X8 is 360°) heating at 37±0.3℃, makes accurate, quick and uniform incubation

* For X6 and X8

Outstanding Technologies — X-tech

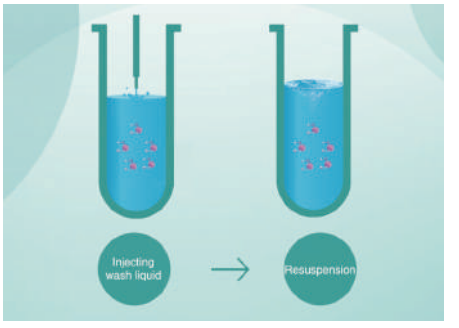
Exclusive Intelligent Washing Technology

Independent washing units for waste liquid needles



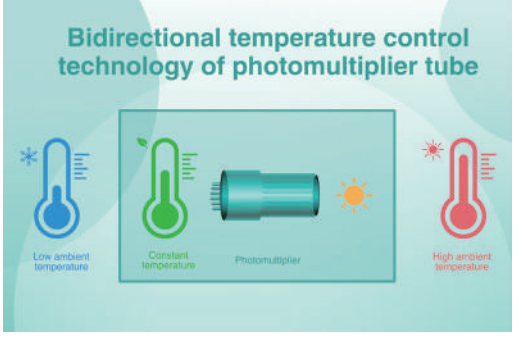
In the wash station, four waste liquid needles are equipped with four independent washing units to avoid the carry-over.

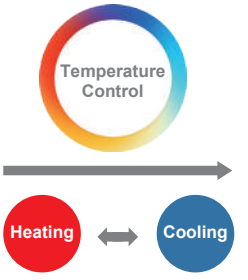
Magnetic separation washing and non-contact vortex mixing

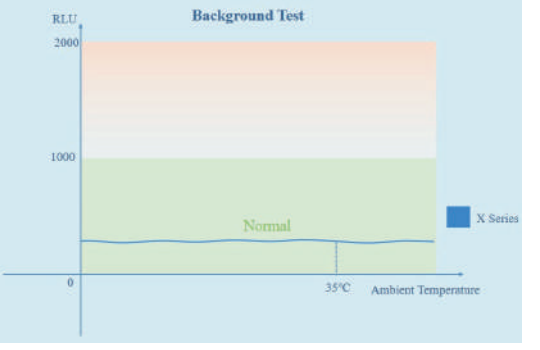


Magnetic separation washing and non-contact vortex mixing units, with different mixing modes depending on different assays, ensure a sufficient washing to reduce the non-specific binding.

Stable and Accurate Measuring Chamber







Automatic temperature control in the measuring chamber can keep a stable background value, not affected by the ambient temperature, ensuring the accuracy of measurement results.

Outstanding Technologies — X-tech

Pioneer in Optional Wash Liquid Preparation*

Dual-mode wash liquid preparation—Automatic or Manual

- Select Auto mode on the software, connect the X6/X8 to the water purification system, minimize your operational burden
- If water purification system is not available, the wash liquid preparation can be done by manually mixing with pure water

Flexible Expansion Solutions*

- Same modules can be combined with high throughput and small space occupation
- Capable to integrate with **Biossays®** C8 (High-throughput Chemistry Analyzer)
- Capable to connect with decapper module

- Capable to link laboratory automation system (TLA/LAS)

* For X6 and X8

Key Technologies

CLIA uses two important technologies, one is the labelling technology which determines the reaction mode, and the other is a separation technology which determines the sensitivity, accuracy and precision of the reagents.

Labelling Technology

The **MAGLUMI®** system applies ABEI labels. ABEI is a non-enzyme small molecule with special molecular formula to enhance stability in acid and alkaline buffer. Using fast Chemiluminescence, ABEI's chemical reaction with sodium hydroxide (NaOH) and Hyperoxide (H_2O_2) finishes the process in 3 seconds.

Separation Technology

MAGLUMI® uses Magnetic Microbeads. As separation technology, it has been widely used in the field of CLIA. Compared with traditional separation technology, it has the following advantages:

- Shortening the reaction time by enlarging the reaction area of antigens and antibodies.
- Enhancing the sensitivity by better and faster capture of antigens and antibodies.
- Reducing inter or intra-assay discrepancies significantly by mixing the reagents thoroughly in a liquid separation platform.
- Enhancing the accuracy by absorbing antigens and antibodies through chemical reaction.

Reaction Cup

Disposable TIP

Starter 1+2

Wash Concentrate

Tubing Cleaning Solution

Light Check

Broad CLIA Test Menu with 256 Assays

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

Fertility
- FSH
- LH
- Total β-HCG FDA
- PRL (Prolactin)
- Estradiol
- Testosterone
- free Testosterone
- DHEA-S
- Progesterone
- Unconjugated Estriol
- 17α-OH Progesterone
- AMH
- SHBG
- Androstenedione
- PlGF
- sFlt-1
- *Inhibin A
- *Inhibin B

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

Cardiac
- CK-MB
- Troponin I
- Myoglobin
- hs-cTnI
- hs-CRP
- H-FABP
- NT-proBNP
- BNP
- D-Dimer
- Lp-PLA2
- MPO
- HCY (Homocysteine)
- *sST2
- *hs-cTnI STAT-X™
- *NT-proBNP STAT-X™
- *Myoglobin STAT-X™
- *D-Dimer STAT-X™

STAT-X™
- *hs-cTnI STAT-X™
- *D-Dimer STAT-X™
- *NT-proBNP STAT-X™
- *PCT STAT-X™
- *Myoglobin STAT-X™
- *CRP STAT-X™

Infectious Disease
Hepatitis
- HBsAg
- Anti-HBs
- HBeAg
- Anti-HBe
- Anti-HBc
- Anti-HBc IgM
- Anti-HCV
- Anti-HAV
- HAV IgM
- *HBV Pre-S1 Ag
- *HEV IgG
- *HEV IgM
- *HDV IgG
- *HDV IgM
- *Anti-HDV

Respiratory
- 2019-nCoV IgG
- 2019-nCoV IgM
- SARS-CoV-2 S-RBD IgG
- SARS-CoV-2 Neutralizing Antibody
- SARS-CoV-2 Ag
- *Mycoplasma pneumoniae* IgG
- *Mycoplasma pneumoniae* IgM
- *Chlamydia pneumoniae* IgG
- *Chlamydia pneumoniae* IgM
- *Respiratory Syncytial Virus IgM
- *Coxsackievirus B IgM
- *Adenovirus IgM
- *Influenza A Virus IgM
- *Influenza B Virus IgM
- **Legionella pneumophila* IgM
- *Human Parainfluenza Virus IgM

Others
- HIV Ab/Ag Combi
- Syphilis
- Chagas
- HTLV I+II
- *H. pylori* IgG
- *H. pylori* IgA
- *H. pylori* IgM
- **H. pylori* Ag
- Dengue Virus IgG
- Dengue Virus NS1
- *Dengue Virus IgM
- Monkeypox Virus Ag
- *TB-IGRAs
- *Zika Virus IgG
- *Zika Virus IgM
- *Zika Virus NS1
- **Chlamydia trachomatis* IgA
- **Chlamydia trachomatis* IgG

Glyco Metabolism
- C-Peptide
- Insulin
- Anti-GAD (GAD65)
- Anti-IA2
- ICA
- IAA (Anti Insulin)
- Proinsulin
- *Glucagon
- *Anti-ZnT8

Autoimmune
Connective Tissue Disease
- ANA Screen
- ENA Screen
- Anti-dsDNA IgG
- Anti-Sm IgG
- Anti-Rib-P IgG
- Anti-SS-B IgG
- Anti-SS-A/Ro IgG (Ro60)
- Anti-Jo-1 IgG
- Anti-Scl-70 IgG
- Anti-Centromeres IgG
- Anti-Histones IgG
- Anti-Sm/RNP IgG
- Anti-Ro-52 IgG
- Anti-PM-Scl IgG
- *Anti-Nucleosome IgG

Rheumatoid Arthritis
- Anti-CCP
- *RF IgM
- *RF IgG
- *RF IgA
- *RF Screen

Celiac Disease
- Anti-tTG IgA
- Anti-tTG IgG
- DGP IgA
- DGP IgG

Autoimmune Liver Disease
- AMA-M2 IgG

Endocrinology
- Anti-TPO
- TGA (Anti-Tg)
- TRAb
- TMA
- Anti-GAD (GAD65)
- Anti-IA2
- ICA
- IAA (Anti Insulin)
- *Anti-ZnT8

Vasculitis
- Anti-MPO IgG
- *Anti-PR3 IgG
- *Anti-GBM IgG

Antiphospholipid Syndrome
- Anti-Cardiolipin IgG
- Anti-Cardiolipin IgM
- *Anti-Cardiolipin IgA
- *Anti-Cardiolipin
- Anti-β2-Glycoprotein I IgG
- Anti-β2-Glycoprotein I IgM
- *Anti-β2-Glycoprotein I IgA
- *Anti-β2-Glycoprotein I

Bone Metabolism
- Calcitonin
- Osteocalcin
- 25-OH Vitamin D FDA
- Intact PTH
- β-CTx
- total P1NP
- *PTH (1-84)
- *BAP

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

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-1 IgM
- HSV-2 IgM
- *Toxo IgG Avidity
- *CMV IgG Avidity
- *Parvovirus B19 IgG
- *Parvovirus B19 IgM

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

Drug Monitoring
- Digoxin
- CSA (Cyclosporine A)
- FK 506 (Tacrolimus)
- *Sirolimus
- *Everolimus
- *Mycophenolic Acid

Hypertension
- Direct Renin
- Aldosterone
- Angiotensin I
- Angiotensin II
- Cortisol
- ACTH

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

Kidney Function
- β_2-Microglobulin
- Albumin
- *NGAL

Immunoglobulins
- IgM
- IgA
- IgE
- IgG

Neurology
- NSE
- S-100
- *β-Amyloid (1-40) CSF
- *β-Amyloid (1-42) CSF
- *Phospho-Tau (181P) CSF
- *Total-Tau CSF

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

Hepatic Fibrosis
- Hyaluronic Acid (HA)
- PIIIP N-P
- C IV
- Laminin
- Cholyglycine
- GP73

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

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

Veterinary Testing
- cTSH
- cTT4
- cFT4
- *cCortisol

* Available soon

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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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