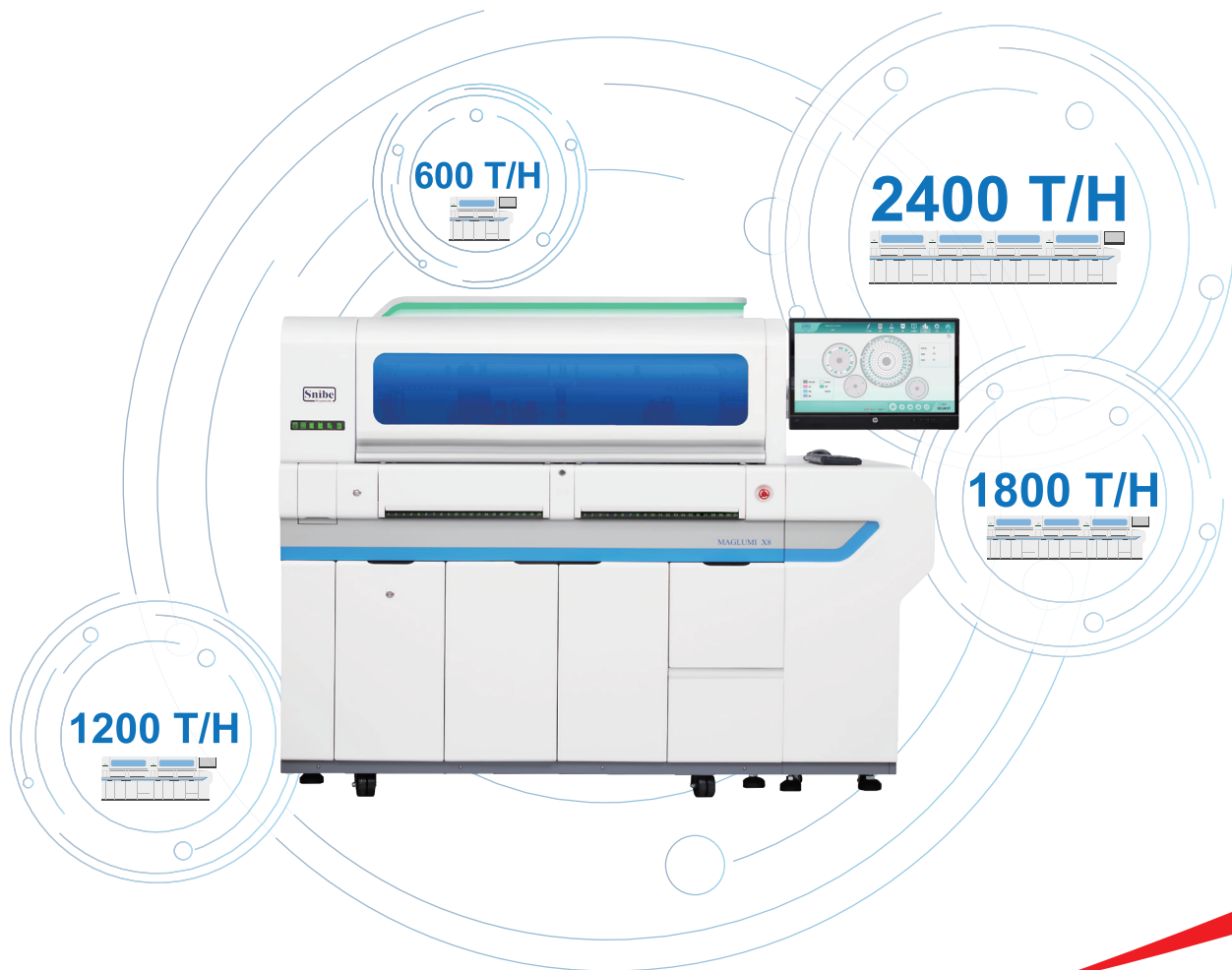


MAGLUMI® X8

Fully-auto Chemiluminescence Immunoassay (CLIA) System



Super-fast CLIA Solution

www.snibe.com
sales@snibe.com



Outstanding 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 Hydroperoxide (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

Advantages of MAGLUMI® X8



High throughput

- Throughput: up to 600 tests/hour (Single module)
- Up to 2400 tests/hour (Four modules combined)



High capacity

- Sample Position: 300
- Reagent Position: 42
- Up to 2800 walk-away tests



Excellent reliability

- Magnetic microbeads separation, fast and efficient
- Flash chemiluminescence label-ABEI
- Intelligent magnetic field design ensuring excellent separation
- Disposable tips to prevent carry-over



Advanced intelligence

- Capable to integrated several modules including Snibe Immunoassay, Biochemistry and ISE module
- Capable to link with Laboratory Automation System (TLA/LAS)
- User-friendly interface, easy operation
- Intelligent consumable loading technology
- Intelligent information monitoring system





Functional Modules



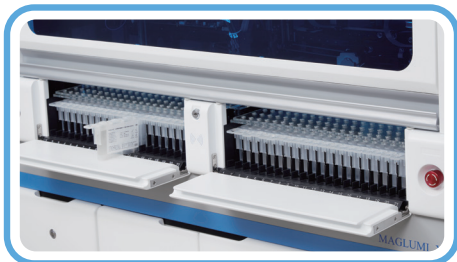
Sample Loading

- Up to 300 sample positions
- Continuous loading, STAT available
- Auto remeasuring function, auto dilution function
- Sample editing mode:
 - Lis connection, barcode recognition, auto named, manual editing



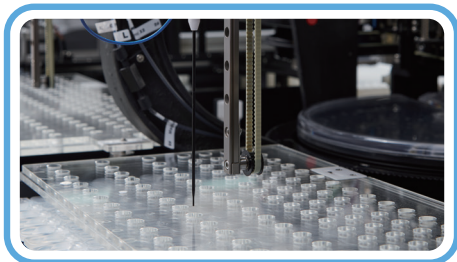
Sample Transport System/Sampling System

- 3 channels, High speed loading
- Specific channel for STAT samples
- Disposable tips
- One pipetting for multiple tests
- Clot detection
- Liquid level detection
- Bubble detection
- Collision detection



Reagent Area

- 42 reagent positions on board
- Continuous loading
- RFID technology
- 24-hour refrigerated
- Working Temp. 8°C-12°C, Storage Temp. 2°C-8°C



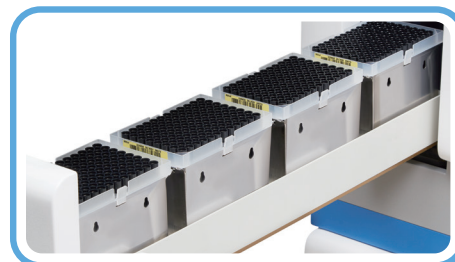
Reagent Needle

- Titanium needle for crushproof
- Teflon coated for carry-over prevention
- Dual-arm design to pipette different reagents simultaneously
- Liquid level detection, Collision detection



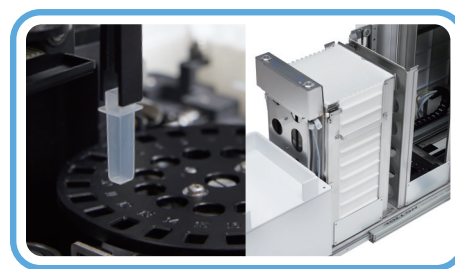
Tip Storage

- Up to 576 TIPS loaded in one time (6 boxes)
- Intelligent loading technology, continuous loading, real-time reserve monitoring



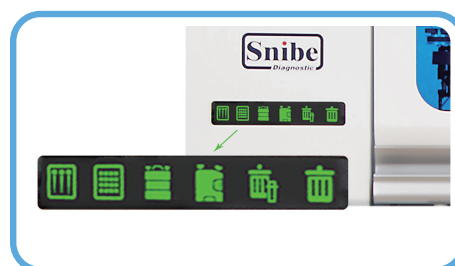
Cuvette Storage

- Single cuvette design
- Up to 2912 cuvettes loaded in one time (16 boxes)
- Intelligent loading technology, continuous loading, real-time reserve monitoring



Consumable Management

- Intuitive and concise design
- Real-time monitoring of consumables



Software System

- Brand new user-friendly UI
- Supporting SnibeLinker™ remote diagnosis system
- Multilingual support
- Touch screen, easy operation
- Report system including editing, storage, query and printing





Operation Software



Comprehensive software

- User-friendly interface
- Real-time status monitoring for each test
- Monitoring reagent and consumable status
- Intelligent alarm function
- Multilingual support, more languages available by request



Maintenance guide

- Maintenance with step by step guide to ensure performance reliability and reduce unnecessary service calls
- Daily, weekly and monthly maintenance guide for analyzer



Quality control

- Westgard rules and Levey-Jennings chart for both internal and external quality control



Test summary function

- Test summary, including system test, calibration, QC, statistics of samples, valid tests and rerun tests
- Search and review test information conveniently



Pre- or post- defined dilution function

- Pre- and post- dilution available for the case of high concentration sample



Bidirectional LIS connection

- Bidirectional LIS connection by TCP/IP and ASTM

Broad CLIA Test Menu with 260 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
17 α -OH Progesterone
AMH
SHBG
Androstenedione
PIGF
sFlt-1
*Inhibin A
*Inhibin B

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

Metabolism

GH (hGH)
IGF-I
IGFBP-3

Infectious Disease

Hepatitis

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

Bone Metabolism

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

EBV

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

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

tTG IgA
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- β 2-Glycoprotein I IgG
Anti- β 2-Glycoprotein I IgM
Anti- β 2-Glycoprotein I IgA
Anti- β 2-Glycoprotein I

Anemia

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

Tumor Markers

AFP	NSE
CEA	S-100
Total PSA	SCCA
free PSA	TPA-snibe
CA 125	ProGRP
CA 15-3	HE4
CA 19-9	HER-2
PAP	PIVKA-II
CA 50	Pepsinogen I
CA 242	Pepsinogen II
CYFRA 21-1	Gastrin-17
CA 72-4	*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-EX™**
*NT-proBNP **STAT-EX™**
*Myoglobin **STAT-EX™**
*D-Dimer **STAT-EX™**

Inflammation Monitoring

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

Neurology

NSE
S-100
* β -Amyloid (1-40) CSF
* β -Amyloid (1-42) CSF
*Phospho-Tau (181P) CSF
*Total-Tau CSF
* β -Amyloid (1-40) Plasma
* β -Amyloid (1-42) Plasma
*Phospho-Tau (181P) Plasma
*Phospho-Tau (217P) Plasma
*NfL Plasma

Kidney Function

β_2 -Microglobulin
Albumin
*NGAL

Glyco Metabolism

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

Drug Monitoring

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

Hypertension

Direct Renin
Aldosterone
Angiotensin I
Angiotensin II
Cortisol
ACTH

Coagulation Markers

D-Dimer
TAT
TM
PIC
tPAIC
*FDP

Hepatic Fibrosis

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

STAT-EX™

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

Veterinary Testing

cTSH
cTT4
cFT4
*cCortisol
*cACTH



* Available soon

Note: Product availability may vary by country and is subject to required regulatory approval

Technical Specifications

Reagent Features

- Flash chemiluminescence label-ABEI, with high sensitivity and long stability
- Superparamagnetic microbeads separation technology for fast and efficient separation

Main Features

- Throughput: up to 600 tests/hour (Single module)
- Time to first result: 15 minutes
- 24 hours ready to use
- Up to 2800 walk-away tests
- Modular Expanding Flexibility:
 - *Capable to integrate several modules including Snibe Immunoassay, Biochemistry and ISE module
 - *Capable to link with Laboratory Automation System (TLA/LAS)

Sample Loading

- Up to 300 sample positions
- Continuous loading, STAT available
- Auto remeasuring function
- Sample editing mode:
 - Lis connection, Barcode recognition, Auto named, Manual editing

Reagent Loading

- 42 reagent positions on board
- Continuous loading
- RFID technology
- 24-hour refrigerated
- Working Temp. 8°C-12°C, Storage Temp. 2°C-8°C

Reagent Needle

- Titanium needle for crushproof
- Teflon coated for carry-over prevention
- Dual-arm design to pipette different reagents simultaneously
- Liquid level detection, collision detection
- Probe depth adjustment automatically

Reagent Integral

- Ready to use, no pretreatment required
- Calibrators and internal controls included
- RFID tag storing all info of reagent
- 2-point re-calibration
- Calibration stability: up to 4 weeks
- Storage temperature: 2°C-8°C

Sampling System

- Using disposable TIPS
- One pipetting for multiple tests
- Clot detection
- Liquid level detection
- Bubble detection
- Collision detection

Reaction Disk

- Incubating 252 cuvettes simultaneously
- Stable 37.0 ± 0.3°C incubation
- Non-contact mix technology

Tip Storage

- Up to 576 TIPS loaded in one time (6 boxes)
- Intelligent loading technology, continuous loading, real-time reserve monitoring

Cuvette Storage

- Single cup design
- Up to 2912 cuvettes loaded in one time (16 boxes)
- Intelligent loading technology, continuous loading, real-time reserve monitoring

Washer

- 4-step washing technology, high speed single channel design
- Intelligent magnetic field design ensuring excellent separation
- Non-contact magnetic microbeads suspension technology

Software System

- Bidirectional LIS connection by TCP/IP and COM Port
- Supporting SnibeLinker™ remote diagnosis system

Dimensions Weight

- Input: AC 100-240 V, 50/60 Hz
- Dimensions and Weight: 192*118*150 (cm), 670 Kg

MAGLUMI® and SnibeLinker™ are trademarks of Snibe.
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