

MAGLUMI® X8

Fully Automatic Chemiluminescence Immunoassay (CLIA) System



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The Fastest CLIA Solution

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Outstanding Technologies

Power of MAGLUMI®

Chemiluminescence Immunoassay (CLIA) System

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

■ ABEI Labelling Technology

Two types of labelling technologies are commonly used. One is enzyme label and the other is non-enzyme small molecule label. Enzyme label reagents are not so stable and are easily affected by the change of storage conditions. MAGLUMI® system applies ABEI labels. ABEI is a non-enzyme small molecule with special molecular formula to enhance stability in acid and alkaline solutions. The chemical reaction process of ABEI with sodium hydroxide (NaOH) and hyperoxide (H₂O₂) finishes in 3 seconds.

■ Magnetic Microbeads Separation Technology

MAGLUMI® uses Magnetic Microbeads. As a separation technology, it has been widely used in the field of CLIA. Compared with traditional separation technologies, 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 capturing of antigens and antibodies.
- Reducing inter or intra-assay discrepancies significantly by mixing the reagents thoroughly in a liquid separation platform.



Reaction Module



Disposal 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 positions: 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



MAGLUMI®

- Flash chemiluminescence label-ABEI, with high sensitivity and long stability
- Magnetic Microbeads separation, fast and efficient



Sampling Loading

- Up to 300 sample positions
- Continuous loading, STAT function 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



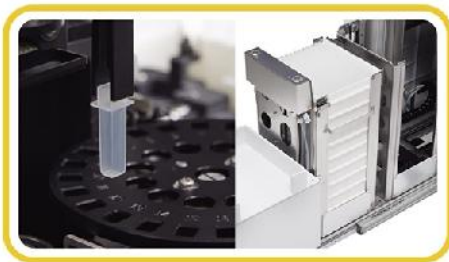
Reagent needle

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



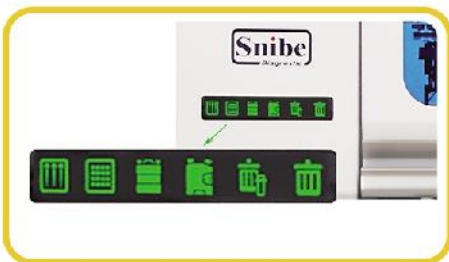
Tip Storage

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



Cuvette Storage

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



Consumable management

- Intuitive and concise design
- Intelligent reminding



Software System

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

Operation Software

2018-09-18 14:50:12
snibe

Work List Result Reagent QC System Test Status Settings Home

Sample Area

1	A001	✓	16	A016
2	A002		17	A017
3	A003		18	A018
4			19	
5			20	
6			21	
7			22	
8			23	
9			24	
10	A010		25	
11	A011		26	
12	A012		27	
13	A013		28	
14	A014		29	
15			30	

Register

From: _____
To: _____

1 →
2 ●
3 ●
4 ●
5 ●
6 ●
7 ●
8 ●
9 ●
10 ●

Assay Selection Area

AI AII CK-MB D-dimer H-ALB
25-OH Vit D ACTH AFP ALD Anti-HAV
Anti-TPO CA125 CA199 CA242 CA50

Profile Selection Area

Scan QC QC Dilute Test List Browse

2018-09-18 14:48:15: Cuvette is insufficient. Please replace inttime!
2018-09-18 14:48:02: Disposable TIP is insufficient. Please replace inttime!

LIS ● PLC ● TCP/IP ● Standby 00:00:00



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

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



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

Hormonas

TSH
T4
T3
FT4
FT3
TG
ATG
TRAb
TMA
Anti-TPO
GH
ACTH
CORTISOL
T3 Reversa

Fertilidad

FSH
AMH
17-OH PROGESTERONA
LH
HCG/ β -HCG
PROLACTINA
ESTRADIOL
ESTRIOL Libre
PROGESTERONA
TESTOSTERONA
TESTOSTERONA LIBRE
DHEA-S
SHBG
ANDROSTENEDIONE
PAPP-A

Marcadores Tumorales

FERRITINA
AFP
CEA
PSA Total
PSA Libre
CA 125
CA 15-3
CA19-9
PAP
CYFRA 21-1
CA 72-4
NSE
S-100
PEPSINOGENO I
PEPSINOGENO II

Marcadores Cardíacos

CK-MB
TROPONINA I
MIOGLOBINA
NT-proBNP
ALDOSTERONA
ANGIOTENSINA I
ANGIOTENSINA II
DIMERO D
hs-cTnI
Lp-PLA2
RENIN

Infecciosas

SARS-CoV2-Ag
SARS-Cov-2 S-RBD
SARS-Cov-2 IgG
SARS-Cov-2 IgM
CMV IgM
CMV IgG
EBV VCA IgA
EBV EA IgA
EBV EA IgG
EBV VCA IgM
EBV NA IgG
EBV VCA IgG
Rubella IgG
Rubella IgM
Toxo IgG
Toxo IgM
HAV IgM
Anti-HAV
HSV-2 IgG
HSV-1/2 IgG
HSV-1/2 IgM

Metabolismo Óseo

PTH intacta
CALCITONINA
OSTEOCALCINA
25-OH-VITAMINA D

Metabolismo de Glúcidos

PEPTIDO C
INSULINA
IAA
PROINSULINA
GAD 65
ICA
Anti-IA2

Inmunoglobulinas

IgA
IgE
IgG
IgM

Anemia

VITAMINA B12
AF
FERRITINA

Marcadores de Inflamación

PCR
PCT
IL-6

Fibrosis Hepática

AH
PIIIP N-P
C IV
LAMININA
COLIGLICINA

Autoinmunidad

Anti-JO-1 IgG
Anti-CCP
Anti-dsDNA IgG
Anti-Scl-70 IgG
Anti-Centromeres IgG
ANA Screen
Anti-M2-E3 IgG
Anti-Histones IgG
Anti-Rib-P IgG
Anti-nRNP/Sm IgG
Anti-Sm IgG
Anti-SS-A IgG
Anti-SS-B IgG
ENA Screen

Función Renal

B2 - MG
MICROALBUMINURIA

Otros

Hpylori IgG
GASTRINA - 17
IGF-I
IGFBP-3
FK-506



MAGLUMI® X8

Chemiluminescence Immunoassay (CLIA) System

Technical Specifications

Reagent Features

- Flash chemiluminescence label-ABEI, with high sensitivity and long stability
- Magnetic Microbeads separation, fast and efficient

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 integrated 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°C incubation
- Non-contact mix technology

Tip Storage

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

Cuvette Storage

- Single cup design
- Up to 2912 cuvettes loaded 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 100-240V, 50/60Hz
- Dimensions and Weight: 192*118*150 (cm), 670Kg



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