MAGLUMI 2000

Chemiluminescence Immunoassay (CLIA) System

Technical Specifications

Principle of Luminescence	● Non-enzyme involved flash chemiluminescence, long stability of reagents ● ABEI label, stable in acid and alkaline buffers
Main Features	● Throughput: up to 180 tests/hour ● 24 hours ready-to-use ● Time to first result:17 minutes
Modes of Operation	● Random, Batch and STAT function
Sample Loading	● Up to 144 sample tubes ● Continuous loading, STAT available ● Barcode reader recognition or analyzer auto numbered ● LIS connection, auto read sample info
Reagent Loading	● 15 reagents on board ● Continuous loading ● RFID reading all info of reagent ● Refrigerated reagent area
Reagent Features	● Integrated kit, ready-to-use, no pretreatment required ● Integrated kit including calibrator ● Using superparamagnetic microbeads ● RFID tag storing all info of reagent ● RFID tag with built-in master curve ● 2-point calibration to adjust master curve ● Calibration stability: Max 4 weeks
Other Features	● Clot detection ● Liquid level detection for reagent ● Optional ratio for sample dilution ● Auto dilution for high concentration sample ● Constant 37℃ incubation ● 15-30℃ Operating Temperature
Operation System	● Windows XP ● HP compatible(double core CPU) ● Color touch screen
Interconnection	● Connection to LIS via COM or network card ● Direct operation on LIS system to test
Dimensions Weight	● 135×64×87cm, 158kg

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DISTRIBUTOR:

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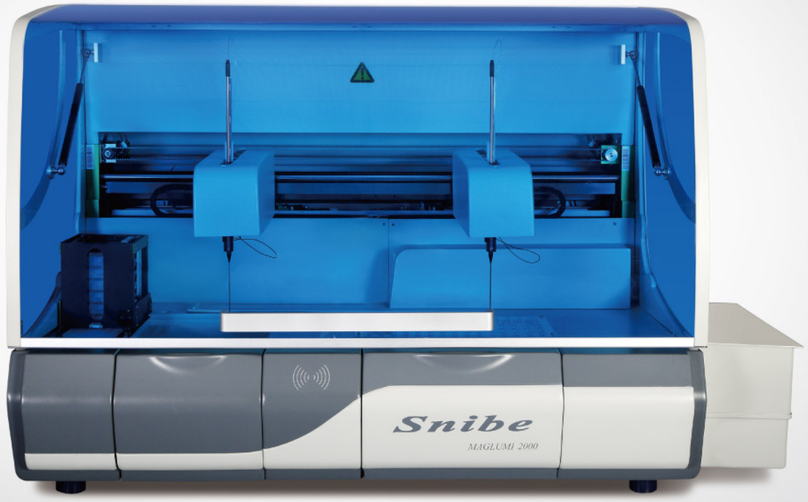


Version 2.0

www.snibe.com

Outstanding Technology Power of Maglumi

Chemiluminescence Immunoassay (CLIA) System

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

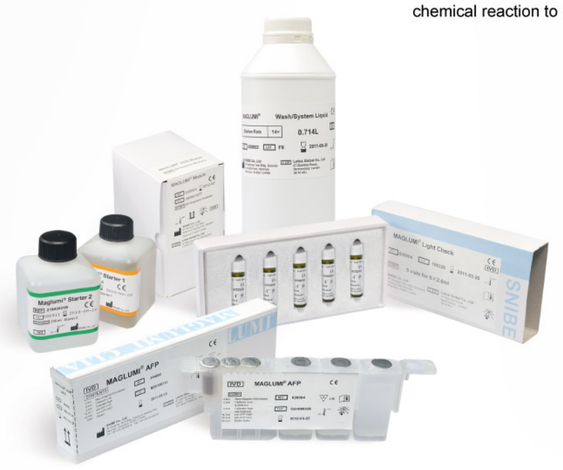
Labeling Technology

Two types of labeling technologies are commonly used. One contains enzyme labels and the other contains non-enzyme small molecule labels. 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 buffer. As fast chemiluminescence, ABEI chemical reaction with sodium hydroxide (NaOH) and Hyperoxide (H_2O_2) finishes the process in 3 seconds.

Separation Technology

Maglumi uses Nano Magnetic Microbeads, as separation technology, has been widely used in the field of CLIA. Compared with traditional separation technologies,it has advantages as following:

- It helps in enlarging the reaction area of antigens and antibodies to shorten the reaction time.
- Better and faster capture of the antigens and antibodies to enhance the sensitivity.
- As a liquid separation platform, it mixes thoroughly with the reagents to significantly reduce inter-or intra-assay discrepancies.
- Absorbs the antigens or antibodies through chemical reaction to enhance the accuracy.



TEST MENU

Tumor Markers
Ferritin
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
TPA
PG I
PG II
SCCA

Cardiac
CK-MB
Troponin I
Myoglobin
NT-proBNP
Aldosterone
Angiotensin I
Angiotensin II
D-Dimer

Drug Monitoring
Cyclosporine A
Tacrolimus,FK506
Digoxin

Thyroid
TSH
T4
T3
FT4
FT3
TG
TGA
TRAb
TMA
Anti-TPO
Rev T3

Hepatic Fibrosis
HA
P III P N-P
C IV
Laminin
Cholyglycine

Glyco Metabolism
C-Peptide
Insulin
IGF-I
ICA
IAA
Proinsulin
GAD65

Prenatal Screening
AFP
free β-HCG
PAPP-A

Inflammation Monitoring
PCT
CRP

Fertility
FSH
LH
HCG/β-HCG
PRL
Estradiol
free Estriol
Progesterone
Testosterone
free Testosterone
PAPP-A

Infectious
HBsAg
HBsAb IgG
HBeAg
HBeAb IgG
HBcAb IgG
HCV IgG
*HIV
*Syphilis

Bone Metabolism
Intact PTH
Calcitonin
Osteocalcin
25-OH Vitamin D

Anemia
Vitamin B12
Ferritin
FA

TORCH
Toxo IgG
Toxo IgM
Rubella IgG
Rubella IgM
CMV IgG
CMV IgM
HSV-1/2 IgG
HSV-2 IgG
HSV-1/2 IgM

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

Immunoglobulin
IgM
IgA
IgE
IgG

Kidney Function
β_2-MG
Albumin

Others
GH
Cortisol
ACTH
DHEA-S

*Under development