

# MAGLUMI 600

Chemiluminescence Immunoassay (CLIA) System



# 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 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 solution. As fast chemiluminescence, ABEI chemical reaction with sodium hydroxide (NaOH) and Hydrogen peroxide ( $H_2O_2$ ) 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.



# Test Menu

## Thyroid

TSH (3rd Generation)  
T4  
T3  
FT4  
FT3  
Tg (Thyroglobulin)  
TGA (Anti-Tg)  
TRAb  
TMA  
Anti-TPO  
Rev T3  
\*T-Uptake

## Hepatic Fibrosis

HA  
PIIIP N-P  
C IV  
Laminin  
Cholyglycine

## TORCH

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

## EBV

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

## Inflammation Monitoring

hs-CRP  
PCT (Procalcitonin)  
IL-6  
\*SAA (Serum Amyloid A)

## Fertility

FSH  
LH  
HCG/ $\beta$ -HCG  
PRL  
Estradiol  
Progesterone  
free Estriol  
Testosterone  
free Testosterone  
DHEA-S  
17-OH Progesterone  
AMH  
SHBG  
Androstenedione  
\*PIGF  
\*sFlt-1

## Autoimmune

TGA (Anti-Tg)  
TRAb  
TMA  
Anti-TPO  
ICA  
IAA (Anti Insulin)  
GAD 65  
Anti-IA2  
Anti-dsDNA IgG  
ANA Screen  
ENA Screen  
Anti-Sm IgG  
Anti-Rib-P IgG  
Anti-Scl-70 IgG  
Anti-Centromeres IgG  
Anti-Jo-1 IgG  
Anti-M2-3E IgG (AMA-M2)  
Anti-Histones IgG  
Anti-nRNP/Sm IgG  
Anti-SS-B IgG  
Anti-SS-A IgG  
Anti-CCP  
\*Anti-Cardiolipin IgG  
\*Anti-Cardiolipin IgM  
\*Anti-MPO

## Immunoglobulin

IgM  
IgA  
IgE  
IgG

## Kidney Function

$\beta_2$ -MG  
Albumin  
\*NGAL

## Tumor Markers

Ferritin  
AFP  
CEA  
Total PSA  
f-PSA  
CA 125  
CA 15-3  
CA 19-9  
HCG/ $\beta$ -HCG  
Tg (Thyroglobulin)  
PAP  
CA 50  
CYFRA 21-1  
CA 242  
CA 72-4  
NSE  
S-100  
SCCA  
TPA-snibe  
Pepsinogen I  
Pepsinogen II  
Gastrin-17  
H.pylori IgG  
H.pylori IgA  
H.pylori IgM  
 $\beta_2$ -MG  
Calcitonin  
Proinsulin  
proGRP  
HE4  
HER-2  
\*PIVKA-II

## Infectious Disease

HBsAg  
Anti-HBs  
HBeAg  
Anti-HBe  
Anti-HBc  
Anti-HCV  
Syphilis  
Chagas  
HTLV I+II  
Anti-HAV  
HAV IgM  
HIV Ab/Ag Combi  
H.pylori IgG  
H.pylori IgA  
H.pylori IgM  
\*Anti-HBc IgM

## Drug Monitoring

CSA (Cyclosporine A)  
FK 506 (Tacrolimus)  
Digoxin

## Cardiac

CK-MB  
Troponin I  
Myoglobin  
hs-cTnl  
H-FABP  
NT-proBNP  
BNP  
Aldosterone  
Angiotensin I  
Angiotensin II  
Direct Renin  
D-Dimer  
Lp-PLA2  
hs-CRP  
\*MPO

## Prenatal Screening

AFP (Prenatal Screening)  
Free  $\beta$ -HCG  
PAPP-A  
HCG/ $\beta$ -HCG  
free Estriol

## Anemia

Vitamin B12  
Ferritin  
Folate (FA)  
\*RBC Folate

## Glyco Metabolism

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

## Bone Metabolism

Calcitonin  
Osteocalcin  
25-OH Vitamin D  
Intact PTH  
\* $\beta$ -CrossLaps ( $\beta$ -CTx)  
\*total P1NP

## Others

Cortisol  
GH (hGH)  
IGF-I  
ACTH  
IGFBP-3

\* Available soon

# MAGLUMI 600

## Chemiluminescence Immunoassay (CLIA) System

### Technical Specifications

#### Reagent Feature

- Flash chemiluminescence label –ABEI, with high sensitivity and long stability
- Nano magnetic microbeads separation, fast and efficient

#### 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

#### Sample Loading

- Up to 16 sample tubes
- Continuous loading, STAT available
- Barcode reader recognition or analyzer automatic numbered
- LIS connection, automatic read sample information
- Refrigerated sample area with independent power supply

#### Reagent Loading

- 4 reagents on board
- Continuous loading
- RFID reading all info of reagent
- Refrigerated reagent area

#### Reagent Integral

- Ready-to-use, no pretreatment required
- Including calibrators
- 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
- Automatic and optional ratio for high sample dilution
- Constant  $36.8 \pm 0.5^{\circ}\text{C}$  incubation

#### Operation System

- Windows 7
- Laptop (Dual-core CPU)

#### Interconnection

- Bidirectional LIS connection by TCP/IP and COM

#### Dimensions Weight

- Input: AC 110/230 Vac, 50/60 Hz
- Dimension and weight: 88 X 56 X 50cm 56kg



Shenzhen New Industries Biomedical Engineering Co., Ltd  
(SNIBE Co., Ltd)

NO. 16 Jinhui Road, Pingshan New District, Shenzhen, 518122, P.  
R. China

Tel: +86 755 26501514

Fax: +86 755 26654850

Email: sales@snibe.com

Web: www.snibe.com



DISTRIBUTOR:

Follow us on

