

لاب ماركت

- مستلزمات معملية
 - كيماويات
 - أجــهـــــزة
 - صيانــة

LAB Market



بنها - عمارة ٢ غرب الاستاد - بجوار كنتاكي - خلف نقابة الاطباء ومطعم الرشيدي

MAGLUMI 800



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 samll molecule label. Enzyme label reagents are not so stable and are easily effected by the change of storage conditions. Maglumi system applies ABEI labels. ABEI is a non-enzyme samll molecule with special molecular formula to enhance stability in acid and alkaline solution. As fast chemiluminescence, ABEI chemical reaction with sodium hydroxide (NaOH) and Hyperoxide ($\rm H_2O_2$) 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.



ADVANTAGE OF MAGLUMI 800

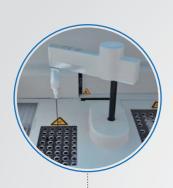


- For small and middle size labs or hospitals
- Simple, Smart, Humanization designed model
- More than enough test menu to meet the different needs and it is enlarging according to your requirement
- Free Quality Control and calibrator helps to reduce the Cost Per Test
- Quality guarantee by the Third party quality control and External Quality Assessment (EQA)
- Key technology ABEI and Nano magnetic microbead enhances stability and sensitivity of MAGLUMI reagents



MAGLUMI 800

- Integrated design and humanized appearance
- Simple and smart operation
- Compact size and weight



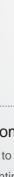
Pipettor

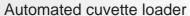
- Aspirate reagent/sample with high speed
- Titanium needle for crushproof
- Clot detection & liquid level detection
- Coated with TEFLON to prevent carry-over
- Inner & external washing



Chamber

- High-sensitivity and low-noise PMT
- Cuvettes detection and anti-overflow





- Up to 40 modules of 240 tests
- Continuous loading



MAGLUMI 800

Washer

- Strong magnetic field helps better
- Three pairs of washing needles with anti-overflow function



Sample area

- Up to 40 sample on board with barcode
- Continuous loading & cooling function



Incubator

- Incubate 13 slots (78 tests at the same time)
- The temperature is 36.8 °C ±0.5 °C

Reagent area

- Up to 9 reagents on board with RFID
- RFID label storing reagent information
- Easy and fast for adding and updating
- RFID tag, high reliability



OPERATION SOFTWARE





Comprehensive software

- User-friendly Interface
- Real-time status monitoring for each test
- Monitoring reagent and consumable status
- Intelligent alarm function



Maintenance Guide

- Daily, weekly and monthly maintenance guide for analytical unit
- Ensure performance reliability and reduce unnecessary service calls



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 or post defined dilution flexibly if high concentration is met



Connect to LIS (bidirection)

Bidirection, Lis can connect by online and ASTM

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

SCCA

TPA-snibe

Pepsinogen I

Pepsinogen II

Gastrin-17

H.pylori IgG

Bone Metabolism

Intact PTH

Calcitonin

Osteocalcin

25-OH Vitamin D

Glyco Metabolism

C-Peptide

Insulin

ICA

IAA

Proinsulin

GAD 65

IA-2

Fertility

FSH

LH

HCG/β-HCG

PRL

Estradiol

free Estriol

Progesterone

Testosterone

free Testosterone

DHEA-S

*AMH

17-OH Progesterone

Thyroid

TSH

T4

Т3

FT4

FT3

TG

. O A

TGA

TRAb TMA

Anti-TPO

Rev T3

Prenatal Screening

cAFP

free $\beta-HCG$

PAPP-A

Inflammation Monitoring

CRP

PCT

Kidney Function

β2-MG

Albumin

Hepatic Fibrosis

HA

PIIIP N-P

CIV

Laminin

Cholyglycine

TORCH

Toxo IgG

Toxo IgM

Rubella IgG

Rubella IgM

CMV lgG

CMV IgM

HSV-1/2 lgG

HSV-2 lgG

HSV-1/2 IgM

EBV

EBV EA IgG

EBV EA IgA

EBV VCA IgG

EBV VCA IgM

EBV VCA IgA

EBV VCA 197

Immunoglobulin

lgM

lgA lgE

lgG

Anemia

Vitamin B12

Ferritin

FA

Drug Monitoring

Cyclosporine A

Tacrolimus, FK 506

Digoxin

Cardiac

CK-MB

Troponin I

Myoglobin

NT-proBNP

Aldosterone

Angiotensin I Angiotensin II

D-Dimer

*Direct Renin

I P-PI A2

hs-cTnl

Infectious Disease

HBsAg

Anti-HBs

HBeAg

Anti-HBc Anti-HBc

Anti-HCV

Syphilis

Chagas HTLV I/II

Anti-HAV

HAV IgM HIV A b

HIV p24 Ag

HIV Ab/Ag combi

Others

GH

IGF-I

Cortisol

ACTH

MAGLUMI 800

Chemiluminescence Immunoassay (CLIA) System

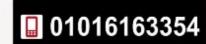
Technical Specifications	
Reagent Feature	 Flash chemiluminescence label-ABEI, with high sensitivity and long stability Nano magnetic microbeads separation, fast and efficient
Main Features	 Throughput: up to 180 tests/hour 24 hours ready to use Time to first result: 17 minutes
Modes of Operation	Random,Batch and STAT
Sample Loading	 Up to 40 sample tubes Continuous loading,STAT available Barcode reader recognition or analyzer auto numbered LIS connection,auto read sample info Refrigerated sample area with independent power supply
Reagent Loading	 9 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 Auto and optional ratio for high sample dilution Constant 37°C incubation
Operation System	 Windows 7 DELL compatible (Dual-core CPU) Color touch screen
Interconnection	Bi-communication with LIS via ASTM protocol
Dimensions Weight	 Input:AC 110-230V,50/60 Hz,Max 630W Dimension and Weight:102*72*56cm 73kg



لاب ماركت

- مستلزمات معملية
 - کیمـاویـات
 - أجــهـــــزة
 - صيانــة

LAB Market



بنها - عمارة ٢ غرب الاستاد - بجوار كنتاكي - خلف نقابة الاطباء ومطعم الرشيدي