

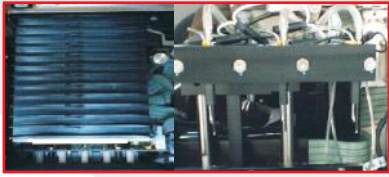


# MAGLUMI 800

## Chemiluminescence Immunoassay ( CLIA) System

- Uses two key technologies enhances reagents stability & sensitivity.
  - 1) Flash Chemiluminescence ABEI Labeling Technology
  - 2) Magnetic Microbeads Separation Technology
- Reagent integral, includes calibrator & Internal QC.
- More than enough test menu to meet the different needs.
- Throughput : up to 180 tests/hour, Continuous loading with STAT function

## Incubator

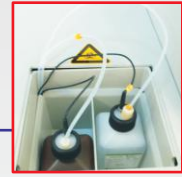


13 Incubate slots  
(78 tests at the time)  
 $36.8 \pm 0.5^\circ\text{C}$

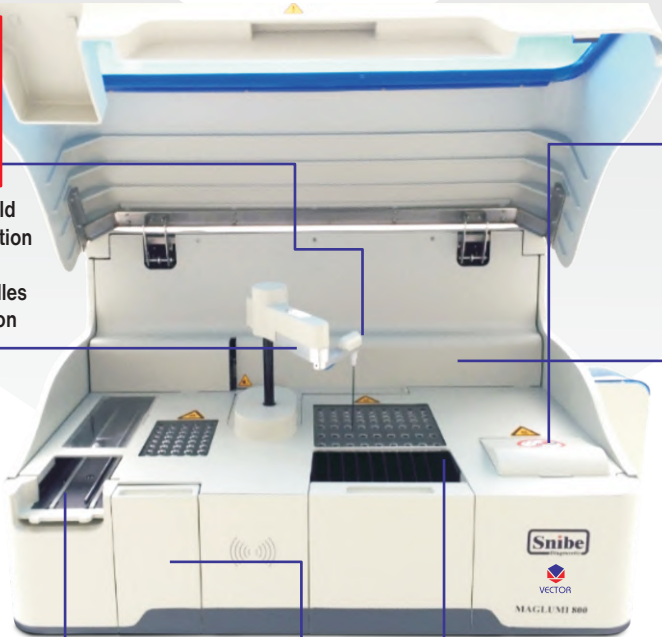
## Washer

Strong magnetic field  
Helps better separation  
  
Three pairs of needles  
Anti overflow function

## Starters



Consists of NaOH and H<sub>2</sub>O<sub>2</sub>  
Unaffected of temperature



## Pipettor

High speed aspiration of reagent/sample  
Internal and external washing  
Teflon coating + Titanium needle



## Detection Chamber (PMT)

High sensitivity and low noise PMT  
Cuvette detection and anti overflow



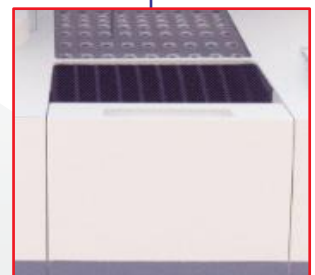
## Automated Cuvette Loader

Up to 40 Modules of 240 tests  
Continuous Loading



## Sample Area

Up to 40 reagents on board with barcode  
Continuous loading with cooling  
Random, Batch and STAT function



## Reagent Area

Up to 9 reagents on board with RFID  
Easy and Fast adding and Updating  
Highly reliable RFID tag

## MAGLUMI 800 - Integrated Design

- State of the art design
- Simple and smart operation

# Operating Software



## Comprehensive Software

Intelligent alarm function  
User friendly interface Real time status and monitoring of reagents, Consumables



## Maintenance Guide

Step by step guidance, ensure performance reliability Daily, Weekly and Monthly maintenance guide for analyzer



## Comprehensive Software

Westgard rules and LJ chart for both internal and external QC



## Test Summary Function

Including test, calibration, QC, Statistics tests and rerun tests Convenient searching and review of information



## Clot Detection, Pre & Post Dilution Function

Automatic feature of Pre, Post Dilution and Return For high samples



## LIS Connection

Bi Directional LIS connection by TCP/IP and COM

## Test Menu

### Thyroid

TSH (3rd Generation), T4, T3, FT4, FT3, Tg (Thyroglobulin), TGA (Anti-Tg), Intact PTH, TRAb, TMA, Anti-TPO, Rev T3

### Hepatic Fifrosis

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

### 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-Histones IgG, Anti-nRNP/Sm IgG, Anti-SS-B IgG, Anti-SS-A IgG, Anti-CCP

### 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, \*AFP-L3

### 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, HIV p24 Ag, H.pylori IgG, H.pylori IgA, H.pylori IgM, \*Anti-HBs 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 PINP

### Hepatic Fibrosis

HA, PIIIP N-P, C IV, Laminin, Cholyglycine

### Others

Cortisol, GH (hGH), IGH-I, ACTH, IGFBP-3

\*Available soon

# MAGLUMI 800

## Chemiluminescence Immunoassay (CLIA) System

### Technical Specification

#### 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
- 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 36.8°C ± 0.5°C incubation

#### Operating System

- Windows 7
- DELL compatible (Dual-core CPU)
- Color touch screen

#### Interconnection

- Bidirectional LIS connection by TCP/IP and COM

#### Dimensions Weight

- Input: AC 110-230V, 50/60 Hz, Max 630W
- Dimension and Weight: 102\*72\*56cm 73kg



**TOLL FREE**  
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