MAGLUMI 600
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:12 minutes
Modes of Operation	● Random, Batch and STAT function
Sample Loading	● Up to 16 sample tubes ● Continuous loading, STAT available ● Analyzer auto numbered ● LIS connection ● Refrigerated sample area with independent power supply
Reagent Loading	● 4 reagents on board ● Continuous loading ● RFID reading all info of reagents ● 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 7 ● 10 inch notebook
Interconnection	● Connection to LIS via COM or network card ● Direct operation on LIS system to test
Dimensions Weight	● 88×56×50cm, 56kg

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DISTRIBUTOR:

PT. MULTIMEDILAB KARYAMANDIRI
MEDICAL & LABORATORY EQUIPMENTS

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Version 1.0

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 Maglumi (CLIA)

Thyroid

TSH (3rd Generation)
T4
T3
FT4
FT3
Tg (Thyroglobulin)
TGA (Anti-Tg)
Anti-TPO
TRAb
TMA
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 (Interleukin 6)
*SAA(Serum Amyloid A)

Fertility

FSH
LH
HCG/β-HCG
PRL (Prolactin)
Estradiol
Testosterone
free Testosterone
DHEA-S
Progesterone
free Estriol
17-OH Progesterone
AMH
SHBG
Androstenedione
*PIGF
*sFlt-1

Autoimmune

Anti-CCP
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
Anti-Histones IgG
Anti-nRNP/Sm IgG
Anti-SS-B IgG
Anti-SS-A IgG
TGA(Anti-Tg)
Anti-TPO
TRAb
TMA
ICA
IAA(Anti Insulin)
GAD 65
Anti-IA2
*Anti-Cardiolipin IgG
*Anti-Cardiolipin IgM
*Anti-MPO

Immunoglobulin

IgM
IgA
IgE
IgG

Kidney Function

β$_2$-MG
Albumin
*NGAL

Tumor Markers

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
ProGRP
HE4
HER-2
*PIVKA-II

Hypertension

Direct Renin
Aldosterone
Angiotensin I
Angiotensin II
Cortisol
ACTH

Infectious Disease

HBsAg
Anti-HBs
HBeAg
Anti-HBe
Anti-HBc
Anti-HCV
Syphilis
Anti-HAV
HAV IgM
HIV Ab/Ag Combi
Chagas
HTLV I+II
H.pylori IgG
H.pylori IgA
H.pylori IgM
2019-nCoV IgG
2019-nCoV IgM
SARS-CoV-2 S-RBD IgG
*Anti-HBc IgM

Drug Monitoring

Digoxin
CSA (Cyclosporine A)
FK 506 (Tacrolimus)

Cardiac

CK-MB
Troponin I
Myoglobin
hs-cTnI
H-FABP
NT-proBNP
BNP
D-Dimer
Lp-PLA2
*MPO

Metabolism

Pepsinogen I
Pepsinogen II
Gastrin-17
GH (hGH)
IGF-I
IGFBP-3

Prenatal Screening

AFP(Prenatal Screening)
Free β-HCG
PAPP-A
free Estriol

Anemia

Vitamin B12
Ferritin
Folate (FA)
*RBC Folate

Glyco Metabolism

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

Bone Metabolism

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

* Available soon