VECTOR

Snibe Diagnostic

MAGLUMI 2000

Chemiluminescence Immunoassay (CLIA) System

FDA 510(k) Cleared



BEACON GROUP

Outstanding Technology Power of MAGLUMI

Chemiluminescence Immunoassay (CLIA) System

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

ABEI Labelling Technology

Two types of labelling 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 solutions. The chemical reaction process of ABEI with sodium hydroxide (NaOH) and hyperoxide (H_2O_2) finishes in 3 seconds.

Magnetic Microbeads Separation Technology

MAGLUMI uses Magnetic Microbeads. As a separation technology, it has been widely used in the field of CLIA. Compared with traditional separation technologies, 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 capturing of antigens and antibodies.
- Reducing inter or intra-assay discrepancies significantly by mixing the reagents thoroughly in a liquid separation platform.



Advantages of MAGLUMI 2000



- For mid or large size hospitals
- More than enough test menu to meet the different needs and it will be extended 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 2000



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





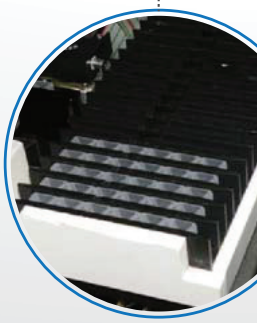
Automated cuvette loader

- Capable of loading modules continuously
- Up to 180 reaction modules



Sample area

- Up to 144 sample on board with barcode
- Continuous loading & cooling function
- Random, batch, and STAT modes



Incubator

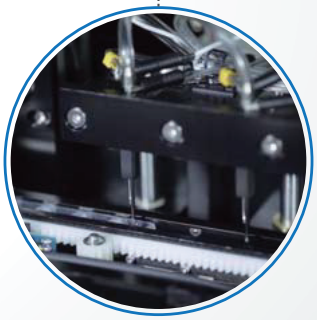
- 16 Incubate slots (96
- The temperature is 3





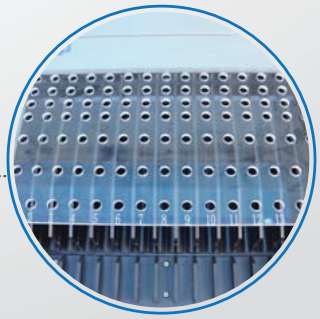
Chamber

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



Washer

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



Reagent area

- Cooling function
- 15 Reagents on board, continuous loading
- RFID label storing reagent information
- RFID tag ,high reliability
- Easy and fast for adding and updating

6 tests at the same time)

36.8℃±0.5℃

Operation Software



Comprehensive software

- User-friendly interface
- Real-time status monitoring for each test
- Monitoring reagent and consumable status
- Intelligent alarm function
- Multilingual support, 10 kind of languages more languages available by request

Maintenance Guide

- Smart Maintenance with step by step guide, ensure performance reliability and reduce unnecessary service calls
- Daily, weekly and monthly maintenance guide for analyer

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- and post- dilution available for the case of high concentration sample

Bidirectional LIS connection

- Bidirectional LIS connection by TCP/IP and ASTM

MAGLUMI 2000

Chemiluminescence Immunoassay (CLIA) System

Technical Specifications

Reagent Feature	● Flash chemiluminescence label –ABEI, with high sensitivity and long stability ● 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 144 samples 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 with independent power supply
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 ● HP compatible (Dual-core CPU) ● Color touch screen
Interconnection	● Bi-communication with LIS via ASTM protocol
Dimensions Weight	● Input: AC 110-230V, 50/60HZ ● Dimension and weight: 135 X 64 X 87cm 148kg

Snibe Diagnostic

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