



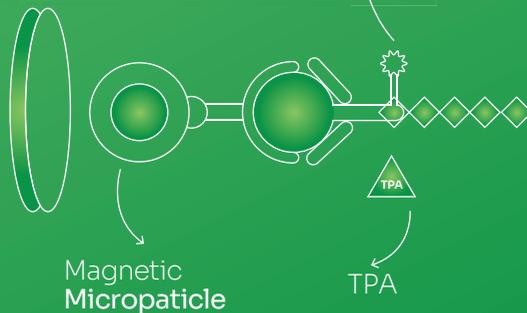
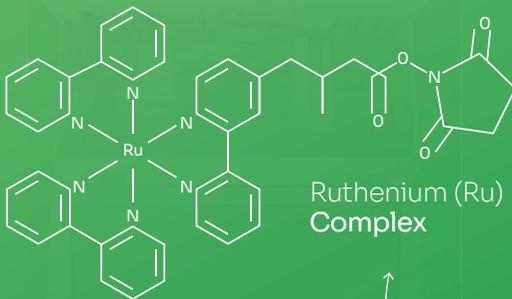
# Mylume<sup>®</sup><sub>e100</sub>

## Electro chemiluminescence **immunoassay** **System**



Find more information at [www.mylabglobal.com](http://www.mylabglobal.com)





## Basic Principle & Technology



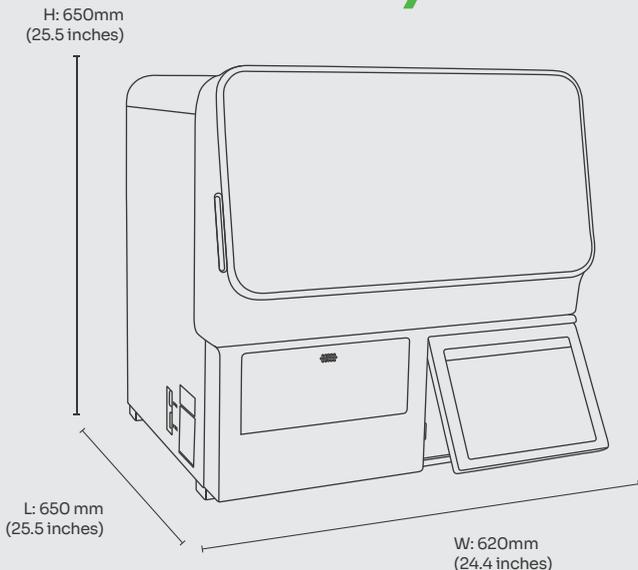
- Titanium Alloy Needle with Teflon Coating
- Sample Clot Detection & Liquid Detection
- Needle Collision Protection and Needle Blocking Detection



- 100-tests Incubation Space
- Disposable Incubation Cup
- Constant 37°C Incubation



- Windows 10 Operating System
- User Friendly Interface
- Touch Screen Operation
- LIS Compatible
- Intelligent Management for Calibration, QC and Troubleshooting



### Specification

Methodology	Electro-chemiluminescence Immunoassay (ECLIA)
Test Mode	Standard, STAT
Reagent Channel	10
Sample Positions	30
Sample Type	Serum, Plasma
Sample Volume	5-100 µL
Reaction Positions	100
Reaction Cup	Disposables
Throughput	86 T/Hour
Incubation Temperature	37±0.2°C
Reagent System	Liquid Level Detection; Refrigeration, 4-15°C;
System Reagent	Buffer and Auffer; Slot Temperature 28+2°C
Probe	Liquid Level Detection, Probe Crashing Protection, Probe Blocking Detectio
Dimensions	630mmx620 mmx630 mm (25.6" H x 24.4"W x 25.5"D)
Weight	92 kg

### Advantages of Electro Chemiluminescence Immunoassay

- Controllable Optical Signal
- High Sensitivity and Precision
- Magnitude of Luminescent Intensity Reaches Six Orders
- Compatible with Small Sample Volume
- High Stability for Reagents
- One of The Smallest ECLIA System in the World



- Up to 86 T/Hour, 9 Minutes to Show 1<sup>st</sup> Result
- 10 Reagent Positions on Board
- Constant 4-15°C Refrigeration Reagent SLO
- Automatic Magnetic Bead Mixing



- 3 Sample Racks, 10 Positions per Rack
- Sample Positions with Independent Barcode
- STAT Available
- Automatic Dilution Function



- Integrated Barcode Scanner and Card Reader
- RFID Card Linked with Auto-Calibration Function

# Advantages of Mylume e100



## Advanced and reliable

The most advanced CLIA technology

CV under 10%



## Compact Size

Suitable for small or mid size hospitals and labs  
Save the cost of additional devices



## Rapid

Only 9 mins to get the first results  
18 mins for most test items



## Fully Automated

Easy operation  
Save efforts and avoid contamination

## Assay Menu

### COVID-19

SARS-CoV-2 IgM

SARS-CoV-2 IgG

SARS-CoV-2 Total Antibody

SARS-CoV-2 Neutralization Ab

### Infectious

MP-IgM

MP-IgG

CP-IgG

CP-IgG

### Hepatic Fibrosis

HA

PIIINP

CIV

LN

CG

### Gastritis

PG-I

PG-II

Gastrin-17

### Tumor marker

AFP

CEA

CA 125

CA 15-3

CA 19-9

CA 72-4

SCC

PIVKA-II

NSE

proGRP

CVFRA 21

HE4

TPSA

FPSA

### Bone metabolism

25-OH Vitamin D

PTH

CT

### Glycometabolism

Insulin

C-peptide

### Cardiac Markers

MYO

CK-MB

cTnI

NT-proBNP

H-FABP

Lp-PLA2

CK-MB STAT

MYO STAT

hs-cTnT STAT

NT-proBNP STAT

D-Dimer STAT

### Fertility

Beta-HCG

PROG

TESTO

PRL

FSH

LH

E2

AMH

### Thyroid

TSH

T4

T3

FT4

FT3

TG

TBG

Anti-TG

Anti-TPO

### Inflammation

IL-6

PCT

hs-CRP

SAA

### Anemia

Folate

Ferritin

VB12



**Mylab Discovery Solutions Pvt. Ltd.**

Global Innovation Center (GIC) 5th Floor, Amar Paradigm, Survey No - 110/11/3, Baner Rd, Pune - 411045, Maharashtra, India.

Email: info@mylabglobal.com | Web: www.mylabglobal.com

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