

# Mobile Molecular Lab IG-M2L







# ABOUT THE COMPANY

iGene Labserve Pvt. Ltd. is gaining recognition by offering resilient, innovative solutions in laboratory instrumentation across healthcare, genomics, drug discovery, biopharma, and food & beverage sectors. We strive to enhance lab efficacy and reduce challenges through advanced technologies and a diverse product portfolio tailored to our customers' needs.

# Mobile Molecular Lab Model: IG-M2L

A Mobile Molecular Lab consists of four parts: PCR thermal cycler, mini centrifuge, horizontal gel electrophoresis system, and blue light transilluminator. It can integrate all steps from nucleic acid extraction to visualised results. The overall design is exquisite and perfectly meets the needs of rapid, accurate, and reliable PCR testing anytime and anywhere.

# **KEY FEATURES**

- Portable integrated design, suitable for a variety of experimental sites
- Gel running/gel viewing/sample centrifugation/PCR experiments all running simultaneously to minimize the experimental time
- Storage >10,000 files of PCR editable programs
- 5-inch colour touch screen for real-time viewing of experimental progress and program setting values.

### **TECHNICAL SPECIFICATIONS**

#### **MODEL-IG-M2L**

Feature	Specification
Display	5-inch color touchscreen
Dimension (L×W×H)	350 × 220 × 120 mm
Weight	5.2 kg
Power Supply	100–240V; 50/60Hz

#### **FOUR PARTS:**

#### (1) PCR THERMAL CYCLER

Feature	Specification
Temperature Control Mode	Standard
Sample Capacity	32 × 0.2mL PCR tube / 4 × 0.2mL 8-strip tube
Block Temp. Control Range	4°C – 105°C
Hot Lid Temp. Control Range	30°C – 110°C
Temp. Display Accuracy	±0.1°C
Temp. Uniformity	±0.5°C
Max. Temp. Change Rate	3°C/s
Thermal Cycler Technology	Peltier heating/cooling
User-Defined PCR Editable Program Files	>10,000 files



## (2) MINI CENTRIFUGE

Feature	Specification
Max. Speed	7000 rpm
Max. Relative Centrifugal Force	2700 × g
Rotor Capacity	$8 \times 0.2/0.5/1.5/2.0$ mL tube $32 \times 0.2$ mL PCR tube $4 \times 0.2$ mL PCR $8$ -strip tube
Timing Range	0 – 5999 s
Security Lock	Yes
Stop When the Lid Opened	Yes

## (3) HORIZONTAL GEL ELECTROPHORESIS SYSTEM

Feature	Specification
Constant Voltage	50V
Gel Tray	70 × 70 mm (1 piece)
Gel Size	70 × 70 mm (1 piece)
Comb Size	0.75 mm, 9/16 wells (1 piece) 1.0 mm, 9/16 wells (1 piece) 1.5 mm, 9/16 wells (1 piece)
Timing	0 – 5999 s or Continuous
Gel Tank	Included

# (4) BLUE LIGHT LED TRANSILLUMINATOR

Feature	Specification
Observation Area	L105 × W85 mm
Max. Emission Wavelength	470 nm
LED Light Source	Built-in LED blue light module.
LED Lifetime	>50,000 hours
Blue Light Intensity Adjustment	1-10 level



# FOUR PARTS OF THE MACHINE

# HORIZONTAL GEL ELECTROPHORESIS SYSTEM

Rapidly nucleic acid separation

Integrated gel-making and running

Amber filter cap



#### **PCR THERMAL CYCLER**

Precise Peltier temperature control technology 32-well is thermal control module Good temperature uniformity

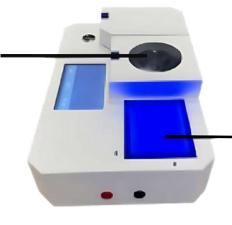
# 5-INCH COLOR TOUCHSCREEN

between wells.

Integrated screen. Easy to operate and program. High-definition and intuitive interface.

#### MINI CENTRIFUGE

Speed up to 7000 rpm (2700xg) Ultra-quiet/no vibration/smooth operation Equipped with safety lock



# 470nm Blue light transilluminator

Real-time visualised results Safe blue light without radiation Compatible with most safe fluorescent dyes

### **APPLICATION**



**TEACHING RESEARCH** 



**BIOLOGY ENTHUSIAST** 



**MOLECULAR GENETIC RESEARCH** 



**FIELDWORK** 





# CONNECT WITH US.

ADDRESS

16/2, BLOCK 16, ASHOK NAGAR, NEW DELHI-110018

**TELEPHONE** 

+91 11 79613060

**EMAIL** 

info@igenels.com

**WEBSITE** 

https://www.igenels.com













