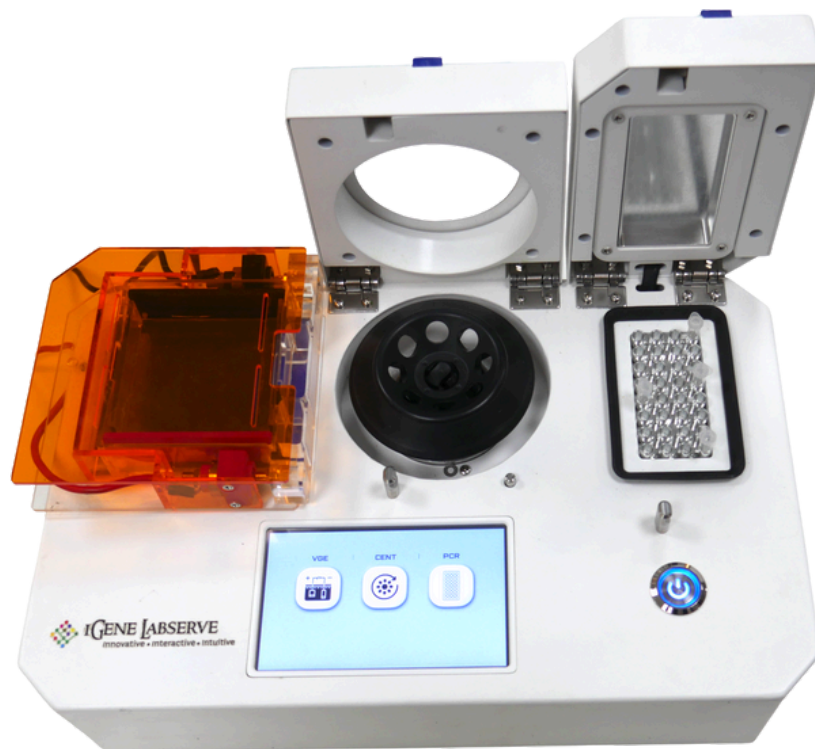


Mobile Molecular Lab IG-M2L



CONTACT US

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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

Parameter	Specification
Display	5-inch color touch screen
Dimension	L350 × W220 × H120 mm
Weight	5.2 kg
Power Supply	100–240 V; 50/60 Hz

FOUR PARTS:

(1) PCR THERMAL CYCLER

Parameter	Specification
Temp. Control Mode	Standard
Sample Capacity	32 × 0.2 mL PCR tubes / 4 × 0.2 mL 8-strip tubes
Block Temperature Control Range	4°C ~ 105°C
Hot Lid Temperature Control Range	30°C ~ 110°C
Temperature Display Accuracy	±0.1°C
Temperature Uniformity	±0.5°C
Max. Heating Rate	4°C/s
Max. Cooling Rate	2.8°C/s
Thermal Cycler Technology	Peltier heating/cooling
User-Defined PCR Editable Program Files	> 10,000 files

(2) MINI CENTRIFUGE

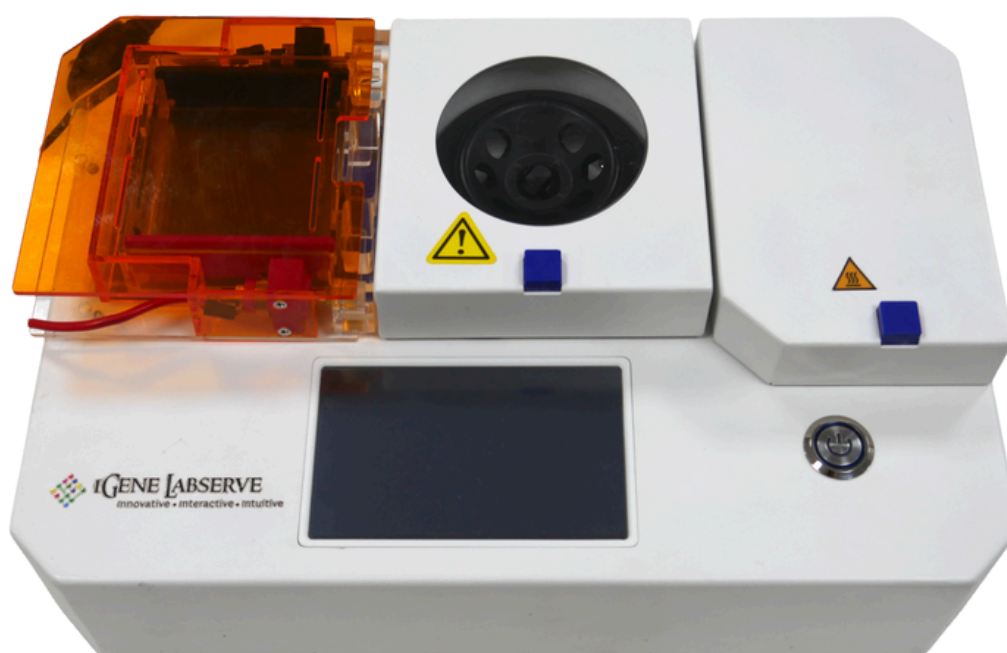
Parameter	Specification
Speed Range	1000 ~ 12000 rpm
Rotor Capacity	8 × 0.2 / 0.5 / 1.5 / 2.0 mL tubes; 32 × 0.2 mL PCR tubes; 4 × 0.2 mL PCR 8-strip tubes
Timing Range	0 ~ 5999 s
Security Lock	Yes
Lid Safety	Stops when lid is opened

(3) HORIZONTAL GEL ELECTROPHORESIS SYSTEM

Parameter	Specification
Output Voltage	50 V
Supported Voltage Range	10–150 V (Step 10 V)
Supported Current Range	10–400 mA (Step 5 mA)
Output Type	Constant voltage / Constant current
Gel Tray	70 × 70 mm, 1 pcs
Gel Size	70 × 70 mm
Comb Size	0.75 mm

(4) BLUE LIGHT LED TRANSILLUMINATOR

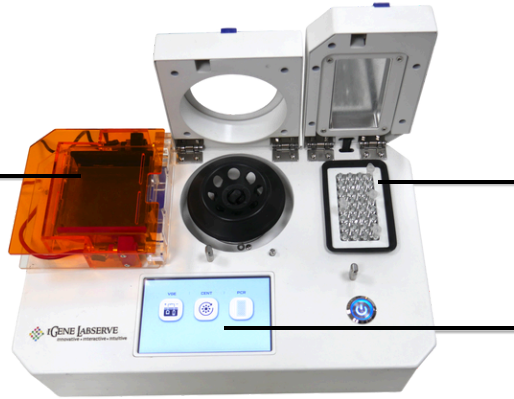
Parameter	Specification
Observation Area	L105 × W85 mm
Max. Emission Wavelength	470 nm
LED Light Source	Built-in LED blue light module
LED Lifetime	> 50,000 h
Blue Light Intensity Range	1–5 levels



FOUR PARTS OF THE MACHINE

HORIZONTAL GEL ELECTROPHESIS SYSTEM

Rapid nucleic acid separation with integrated gel-making and running Amber filter cap



PCR THERMAL CYCLER

Precise Peltier temperature control technology 32-well thermal control module

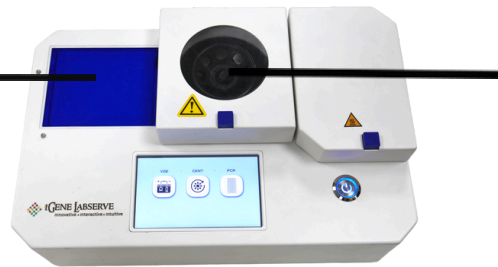
Good temperature uniformity between wells.

5-INCH COLOR TOUCHSCREEN

Integrated screen. High definition and intuitive interface

470nm Blue light transilluminator

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



MINI CENTRIFUGE

Speed up to 12000 rpm. Ultra-quiet/no vibration/smooth operation Equipped with safety lock

APPLICATION



TEACHING RESEARCH



MOLECULAR GENETIC RESEARCH



BIOLOGY ENTHUSIAST



FIELDWORK

ORDERING INFORMATION

Item No.	Item	Unit	Qty
1	Mini PCR Workstation	unit	1
2	Power Adapter	pcs	1
3	Horizontal Gel Electrophoresis Apparatus	pcs	1
4	Gel Tray	pcs	1
5	Gel Tank	pcs	1
6	Gel Comb	pcs	3
7	Kotor No. 2	pcs	1
8	Rotor Adapter 1	pcs	1
9	Rotor Adapter 2	pcs	8
10	User Manual	pcs	8



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