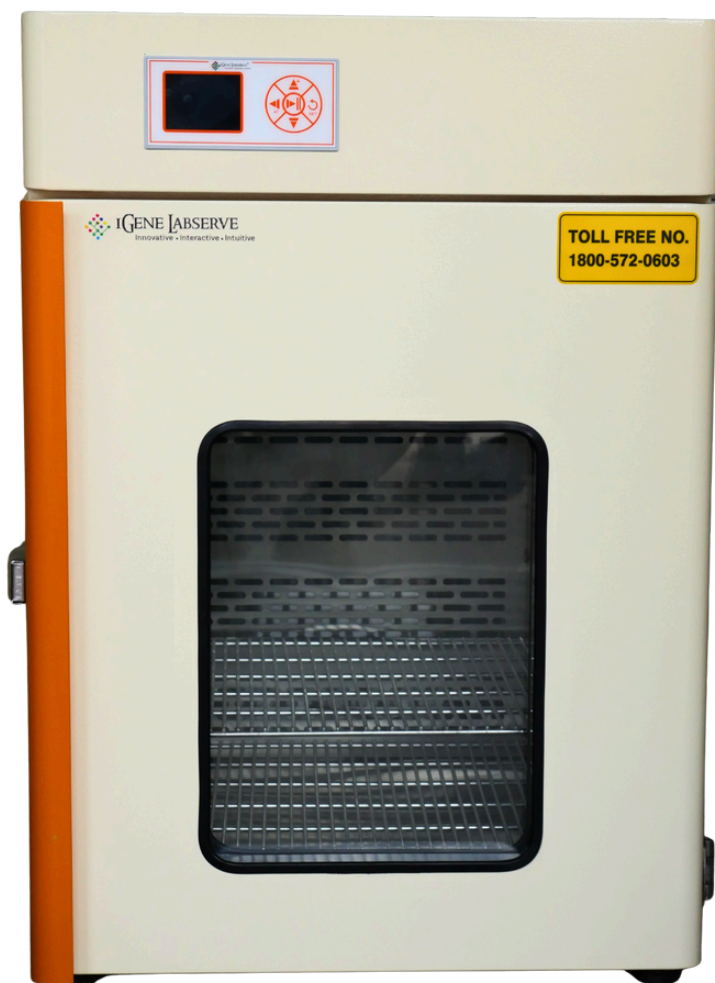


# LABORATORY INCUBATOR

## IG- I-Series



**CONTACT US**

[info@igenels.com](mailto:info@igenels.com)  
[www.igenels.com](http://www.igenels.com)

## 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.

## DESCRIPTION

A bacteriological incubator is a laboratory instrument designed to provide a controlled environment for cultivating and growing microorganisms, such as bacteria, fungi, and other cells. It is widely used in microbiology, biotechnology, and clinical laboratories for research, testing, and quality control.

## CONTROLLER FEATURES

**Feather touch temperature controller:** Equipped with a precise feather touch temperature controller, providing clear display of both Set Value (SV) and Process Value (PV) for accurate monitoring and control.

**Over-Temperature Alarm:** Includes an over-temperature alarm to alert users of any deviations, ensuring the protection of samples and maintaining safe operation within set parameters.

**Auto-Tuning Function:** Features an auto-tuning capability, which optimizes temperature control settings automatically for consistent performance.

**Timer Functionality:** The controller allows users to set operational timing, specifying how long the oven will be active, which enhances efficiency and conserves energy during scheduled use.

**Password-Protected Temperature Settings:** Temperature adjustments are secured with password protection, ensuring that set parameters cannot be modified without authorization, adding a layer of security to critical settings.

## KEY FEATURES

- **Temperature Control**
  - Equipped with a feather touch temperature controller for high accuracy and uniformity.
  - Displays both Set Value (SV) and Process Value (PV).
  - Features low/ high-temperature alarms to alert operators of variations.
- **Heating and Air Circulation**
  - Heat is generated using resistance wire heaters or beaded heaters.
  - It is fitted with a motorised blower or axial fan for uniform temperature distribution across the chamber.
- **Construction**
  - External Cabinet: Made of thick gauge GI sheet, powder-coated and painted for corrosion resistance.
  - Inner Chamber: Fabricated from thick gauge 304-grade stainless steel sheets.
  - Insulation: High-density glass wool filling between the inner and external chambers minimizes heat loss and enhances energy efficiency.



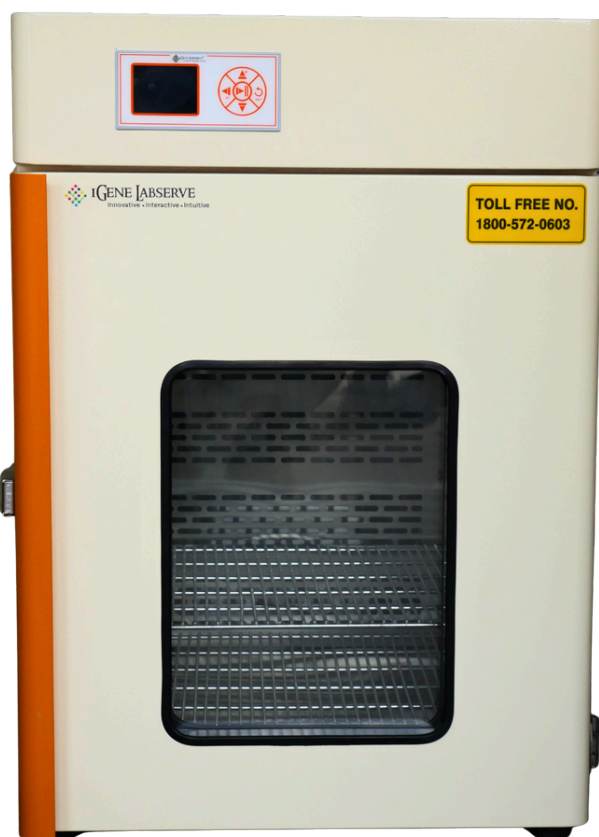
## SPECIFICATIONS:

Model	IG- I-Series
Temperature range	RT+5°C– 100°C
Temperature accuracy	±0.2°C at 37°C
Temperature controller	<ul style="list-style-type: none"> <li>• Dual display feather touch controller</li> <li>• Display SV &amp; PV</li> <li>• Auto-tuning feature</li> </ul>
Temperature sensor	PT100
Inner chamber	SS 304
External cabinet	MS Powder-coated / GI sheet
Insulation	Glass wool
Door	<ul style="list-style-type: none"> <li>• Insulated door</li> <li>• Mechanical latch/clamp</li> <li>• Glass window</li> </ul>
Heaters	Resistance wire heaters (Air Fin Heaters optional)
Shelves	SS wire mesh (removable)/ Shelves with holes for small instruments
Air circulation	Motorized blower / Axial fan
Standard fittings	<ul style="list-style-type: none"> <li>• Mains on/off switch</li> <li>• Load Indicator</li> <li>• Fan on/off switch</li> </ul>
Power supply	220 V, 50Hz
Optional	<ul style="list-style-type: none"> <li>• GMP construction (Inner &amp; outer SS 304)</li> <li>• PLC + HMI controller w/ USB interface</li> <li>• 21 CFR Part 11 Software</li> <li>• Data logger w/ USB interface</li> <li>• Thermal printer</li> <li>• Inner chamber LED light</li> </ul>

## ORDERING INFORMATION

Model no.	Size (inches)	Volume	Shelves
IG-28I	12" x 12" x 12"	28 L	2
IG-45I	14" x 14" x 14"	45 L	2
IG-95I	18" x 18" x 18"	95 L	3
IG-127I	18" x 18" x 24"	127 L	3
IG-226I	24" x 24" x 24"	226 L	3
IG-250I	24" x 24" x 30"	250 L	4
IG-340I	24" x 24" x 36"	340 L	5
IG-500I	24" X 28" X 48"	500 L	7





## 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>



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