

# INCUBATOR SHAKER



**IGENE LABSERVE**  
Innovative • Interactive • Intuitive



## 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.

## PRODUCT OVERVIEW:

The IG-ISC/IG-IS Series of incubator shakers are versatile, reliable, and space-saving devices designed for efficient microbial culturing. Available in various sizes, these models are offered in both cooling and non-cooling variants, providing flexibility for different laboratory needs. Their simple design and ease of operation make these incubator shakers highly efficient for a variety of applications.

## FEATURES

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- ❖ Triple Drive Mechanism: The triple drive mechanism connects to the shaking tray, providing robust and balanced shaking for extended use.
  - ❖ Easy Cleaning: Front drain port for easy drainage of accidental spills.
  - ❖ Portability: An Optional stand with wheels allows easy movement and better stability of the unit.
  - ❖ Flexible Platform: Accommodates a variety of clamps and flasks. Sticky mats are available for universal use.
  - ❖ Screw Mounting: Flexible screwing options allow for secure fixing of clamps and holders for test tubes at desired positions on the platform.
  - ❖ Space-Saving Design: With a height of less than 2.5 feet, the unit can be placed below the working bench, making it ideal for small laboratories. Stackable option available.
  - ❖ Cooling and Non-Cooling Models: Available with cooling as a standard feature, with non-cooling "eco" versions available on demand.
  - ❖ Viewing Window: Equipped with toughened Glass and a light switch to observe processes during operation.
  - ❖ Integrated Limit Switch: Automatically stops the shaking motion when the door is opened, preventing accidental exposure and ensuring operational safety.
  - ❖ Customizable Options: Custom configurations are available on demand.
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# Specifications

<b>Shaker Speed</b>	30-300 rpm with speed precision 1 rpm
<b>Orbit Dia</b>	ø 25 mm
<b>Accuracy</b>	± 2% of maximum speed
<b>Temperature range</b>	5°C-60°C
<b>Resolution</b>	0.1°C
<b>Temp. accuracy</b>	±0.1°C at 37°C, Temp Uniformity: 1°C
<b>Power supply</b>	230V ± 10%, 50Hz

## TECHNICAL SPECIFICATIONS

Loading Capacity with platform size (Inch)			
Flasks	12ISC	18ISC	24ISC
50ml	19	45	60
100ml	12	18	24
250ml	9	16	18
500ml	4	8	16
1000ml	2	3	4
2000ml	1	2	2

 Capacity checked with sticky mats platforms

### Cooling Incubator Shaker

Ordering Information	
<b>IG-12ISC</b>	Cooling Incubator Shaker with 12x12in platform
<b>IG-18ISC</b>	Cooling Incubator Shaker with 14x14in platform
<b>IG-24ISC</b>	Cooling Incubator Shaker with 16x16in platform

### Non-Cooling Incubator Shaker

Ordering Information	
<b>IG-12IS</b>	Incubator Shaker with 12x12in platform
<b>IG-18IS</b>	Incubator Shaker with 14x14in platform
<b>IG-24IS</b>	Incubator Shaker with 16x16in platform

## CONTROLLER FEATURES:

1. Equipped with intuitive buttons for setting temperature, timer, and RPM.
2. Includes safety alarms for over-temperature and over-speed conditions.
3. Optional defrosting function for added convenience.
4. Displays error codes for easy troubleshooting.
5. Available with an optional UV light feature.
6. Integrated control for LED lighting.
7. Programmable timer with a range of 0 to 999 hours and 59 minutes.
8. Featuring two modes:
  - a. Mode A: Timer starts counting as soon as the operation begins.
  - b. Mode B: Timer activates when the set parameters are achieved
9. Motor direction can be reversed, with customizable acceleration and deceleration profiles.

## OPTIONAL TOUCH CONTROLLER FEATURES:

1. 5-inch touch screen easy to use and intuitive display.
2. Sequential programming mode and constant temperature mode.
3. Programmable timer with a range of 0 to 999 hours and 59 minutes.
4. Sterilization mode function (UV or high heat up-to 140°C or 180°C).
5. Light control parameters after door close.
6. Screen lock function to avoid accidental parameter change.
7. Historical data storage. Data Connectivity: Rs232/Ethernet/USB
8. Data curve display.
9. Upgradable to maximum of 500 RPM in future.
9. Lock screen feature available.
10. Visual and audio alarms available.

