

CO₂ INCUBATOR SHAKER



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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.

PRODUCT OVERVIEW

The CO₂ Incubator Shaker is an advanced laboratory solution engineered to provide precise incubation and controlled orbital shaking for high-demand research applications. Designed with seamless chamber construction, stainless steel shelves, and a sealed inner glass door, it ensures a contamination-free environment and reliable performance. The CO₂ Incubator Shaker combines precise incubation with orbital shaking, ensuring stable conditions for advanced cell culture and research.



KEY FEATURES

- **Triple Drive Mechanism:** The triple drive mechanism connects to the shaking tray, providing robust and balanced shaking for extended use.
- **In-line Gas Regulator with Perforated Shelves and Seamless Chamber:** Provides uniform airflow and stable incubation conditions. The perforated shelves allow even gas distribution, while the seamless chamber minimizes contamination risks and ensures easy cleaning.
- **Shaking and Sealed Inner Glass Door (Standard):** The orbital shaking platform is paired with a sealed inner glass door, enabling uninterrupted observation of cultures while maintaining internal stability and preventing contamination.
- **Touchscreen Display with Continuous Timer:** A modern, user-friendly touchscreen interface offers intuitive control of temperature, CO₂, and shaking parameters. The continuous timer supports long-duration experiments without interruption.
- **High-Temperature Disinfection (≥120 °C):** Built-in sterilization capability at 120 °C ensures effective decontamination of the chamber, providing a clean and safe environment for sensitive cultures.
- **Floor/Under-Bench Design with Low Noise (<60 dB):** Compact and versatile placement options make it suitable for any lab setup, while low-noise operation (<60 dB) ensures a quiet working environment.
- **Solid-State DC Brushless Motor:** Ensures long-lasting, maintenance-free operation with precise speed control and low energy consumption.
- **ISO, CE, IVD/IEC Certified + 2-Year Warranty:** Global standards with assured reliability.

SPECIFICATIONS

CO2 Incubator Shaker (IG-CO2S)	
Orbital Diameter	ø 2.5 cm
Speed range	25-250 rpm
Accuracy	± 1% of maximum speed
Temperature range	Ambient +4°C to 50°C
Temperature control increment	± 0.1 °C
Temperature stability	±0.1°C at 37°C
Temperature accuracy	± 0.2 °C
Temperature uniformity	±0.5°C at 37°C
Power supply	230V ± 10%, 50Hz
No. of Compartments	2
Display	Touchscreen
Timer	Continuous
Overall dimensions (W x D x H)	80-90 x 70-75 x 80-90 cm
Audio & Visual alarms	In-built
CO2 range	0-20%
Program modes	Constant speed & Temperature program mode
CO2 control increment	± 0.1 %
CO2 stability	± 0.2 % at 5% CO2
CO2 uniformity	± 0.1 %
Shelves	2 Stainless steel shelves
Motor	Solid state, DC brushless motor
Type	Floor / under bench
Volume	250L
Noise level	<60 dB



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