



BOD INCUBATOR



Quality, Management, Environment, Health & Safety Standards



CDSCO MD 5 License



USFDA Listed



European CE



ISO 9001: 2015
IAF



ISO 13485:2016
NABCB/IAF



ISO 45001 : 2018
IAF



7 Electric Safety Certifications
IEC 60335-1 and IEC 60335-2-24, IEC 61010-1,
IEC 61010-2-020 and 61010-2-101, IEC 61326-1,
IEC 61326-2-6.

INTRODUCTION

MarkEn BOD Incubator is designed for clinical use and is suitable for bacterial and fungal culture, incubation of Elisa plates, and other routine laboratory applications. It is widely used in clinical and diagnostic laboratories for controlled temperature incubation processes. Incubators are designed to provide the appropriate environmental conditions e.g., Temperature, humidity, gas concentration for certain laboratory tests.

The ergonomic design of the MarkEn BOD Incubators has ergonomic design and provides a clear view of stored items through the toughened glass/acrylic sheet door and outer solid door is fitted with heavy-duty hinges, a locking handle, and a mechanical lock integrated with a magnetic gasket for secure sealing.



FEATURES

- Temperature Range: 0°C to +60°C for controlled temperature applications.
- User-friendly digital user interface for easy operation, parameter setting, and monitoring.
- Open door buzzer .
- Mounted on heavy-duty castor wheels to ensure easy mobility and portability.
- Supply with removable and height adjustable trays.
- Heated door reduces condensation during low-temperature operation.
- Auto power break-off for in case of system failure.
- Digital timer with daily and weekly On/Off cycle programming and real-time function.
- Safe & Secure storage.
- Programmable audible and visual alarms for abnormal temperature.
- Password Protection for avoid accidental changes.
- Programs are saved during power failure and resume automatically when power is restored.
- All system tubing-Suction- Freezer-Condensing Tubing of minimum 99.97% of pure Copper.
- Maintains nominal operating temperature with effective heat dissipation through an Integrated cooling mechanism.
- Protection (Internal Electrical Safety).
- Designed for minimum 10 years life with assurance of spare parts availability.

ACCESSORIES (OPTIONAL)

- Stem Alcohol Thermometer
- Servo Controlled Voltage Stabilizer
- SS 304 Shelves
- Gloves (In different sizes)

TECHNICAL SPECIFICATION

Make	MarkEn
Type	BOD incubator
Capacity in Liter	200 L
Type of Cabinet	Vertical
Exterior Body Material	Zinc galvanized sheet metal with epoxy Powder coating, heat and corrosion resistance, good quality durable metal housing care
Inner Chamber Material	SS304 Inner Chamber with Fully Rounded (Arc) Corners for Easy Cleaning.
Door	Visual glass door for observation without disturbing chamber conditions; air circulation stops automatically when door is opened
Castor Wheels	4 Castor Wheels (2 lockable & 2 Unlockable)
Insulation	CFC-free / HFC-free polyurethane insulation foam
Insulation Thickness	Cabinet: 80mm Door: 50mm
Shelves	4 detachable anti-dumping integrated shelves, removable without tools.
Shelf Adjustment	Removable shelves / partitions with adjustable spacing
Compressor	Hermetically sealed refrigeration compressor
Refrigerants	Environment-Friendly Refrigeration System using Fluorine-Free Refrigerant
Air Circulation	Forced convection air circulation for uniform temperature distribution
Temperature Range	0°C to +60°C with accuracy of $\pm 0.1^{\circ}\text{C}$
Temperature Uniformity	$\pm 0.5^{\circ}\text{C}$
Environmental Condition	Maximum 10°C to 50°C with Humidity of 15% to 95% RH
Control System	Microprocessor-based PID controller
Temperature Monitoring	PT100 sensor for accurate temperature control
Display	10-inch colour touchscreen display with real-time temperature curve/graph monitoring
Battery Backup (Optional)	12Hrs. battery backup for digital display, alarm system and temperature recording system with auto recharging facility.
Noise level	<55 dBA
Alarm System	Power-off recovery with high/low temperature alarms and 0–5°C upper deviation alarm setting range
Safety Cut-Off	Automatic power cut-off when temperature exceeds set limits
USB Interface	USB port for data output and storage
Test Port	Test port / hole for external sensors such as temperature and humidity
Input Power Supply	220 VAC $\pm 10\%$, 50 Hz

ALL-IN-ONE SOLUTION FOR

Cold Chain Solution
Medical Equipment
Blood Bank Equipment

Hospital & Scientific Equipment
Hospital Furniture & Infrastructure
Commercial Refrigeration



25+

Years of Excellence



400+

Product Range



500+

Service center



1000+

Committed Engineers



1,00,000+

Satisfied Users

CERTIFICATION



& MANY OTHER...

OUR ESTEEMED CUSTOMERS



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