

# Bacteriological Incubator

(OLSC-104 Series)



Creating Safe Solutions for Life Science Laboratories  
Engineered for Simplicity and Efficiency  
Certified for Safety and Performance



**NSIC** **CE** **IEC** **FDA**  
CERTIFIED CO. REGISTERED

# Bacteriological Incubator

## (OLSC-104 Series)



### APPLICATION ADVANTAGE

Bacteriological Incubator (Mettler Type) Double walled is elegantly designed in various applications for microbiology, cell cultivation of animals and plants, food studies. Our Incubators stands for unparalleled precise, even and gentle temperature control.

Double Walled Incubators (Mettler Type) is low cost options for various experiments in, industries, R&D labs, Pharmaceutical, Food & Beverage Industries and Institutions- in the field of Medical, Agricultural and Industrial Research used for Drying of slides, paraffin embedding, tissue culture work, incubation of antibody test, excellent for Microbiological determinations, crystallization studies and Incubation of hydroxyl steroids.



CUSTOMIZED SPECIFICATION CAN BE PROVIDED

### CONSTRUCTION & SPECIFICATION: -

- Outer chamber is made of high-grade powder coated mild steel.
- Inner chamber made of stainless steel 304 grade rust and dust proof.
- Motorized Air Circulating Blower, strong dispersion and maintains higher temperature uniformity inside the chamber.
- Door has viewing window to observe the sample placed inside the chamber without disturbing the thermal condition.
- Thermal loss is prevented by filling 75mm by glass wool in space between the outer body & Inner chamber.
- Door Gasket fixed on the double walled door for proper sealing.
- Fitted with heavy hinges with a ball catcher, spring loaded door closing device. Door is duly insulated.
- Adjustable two ventilation slides control inner air / vapour circulation.
- Beaded heating elements made of high quality Nichrome / Kanthal wire are placed in ribs, at bottom and sides i.e. on three sides of the cabinet for uniform heat distribution.
- Inner chamber has ribs for placing the shelves at convenient levels. Supplied with 2 removable type shelves.
- Temperature is controlled by electronic digital temperature indicator cum controller.
- Different programmed functions can be designed for a wide variety of applications, and even when used (Optional)
- Temperature is displayed by Digital LED with SV and PV display at front of the oven.
- Front Panel is provided with ON/OFF switch, temperature controller and indicators
- Operating Voltage: 220 Volts AC (50 Hz).
- Inbuilt Over temperature protection, Auto power break off & Safety alarm system.

Technical Specification		
<b>Model</b>	OLSC-104-2	
<b>Inner dimension (inches)</b>	18 x 18 x 18 inches	
<b>Approx. Volume (Ltr)</b>	95 liter	
<b>No. of Shelves (adjustable)</b>	2	
<b>Temperature</b>	<b>Range</b>	5°C above ambient (37°C room temperature) to 90 °C
	<b>Accuracy</b>	± 1°C
	<b>Uniformity</b>	±2°C
<b>Temp. Controller</b>	By Microprocessor Based PID Digital Temperature Indicator cum Controller.	
<b>Display:</b>	LED Display for Set Value(SV) and Process Value (PV)	
<b>Relay</b>	Solid state electronic relay with protective heat sink.	
<b>Auto Tuning System</b>	System is compatible with auto tuning system	
<b>Insulation</b>	By High density 75mm by glass wool	
<b>Operations</b>	Nearly silent operation with ultra-low vibration	
<b>Nominal voltage</b>	220-230 Volts, 50 Hz Single Phase	
<b>GMP models</b>	With inner chamber & outer body complete made of Stainless Steel	

Optional Accessories	
<b>Graphic LCD</b>	Jumbo LCD with Programmable function
<b>Printing Facility</b>	By Built in Mini Printer to record temperature.
<b>Lighting system</b>	By interior illumination with 3 fluorescent tubes of 60 cm. (20 Watts) placed vertically
<b>Timer</b>	With reverse 0 - 24 hours for regulating hours of light and darkness including fitting at the top of incubator.
<b>CO2 air mixtures</b>	For incubation in CO2 air mixtures provided with nozzle fitted at the side of Control panel for admitting CO2 /air mixture chamber
<b>Carbon dioxide cylinder</b>	Capacity: 10 Ltr with CO2 regulator and pipe fittings.
<b>Humidity Control</b>	30 % to 95% ± 5 % RH with Digital Humidity Controller/Indicator
<b>Data Logger</b>	RS-485/RS232 communication ports, cables, window based software with inbuilt data recording.
<b>Regulated Voltage</b>	By Voltage stabilizer



# OCEAN LIFE SCIENCE CORPORATION

Address: A3/27A, Chanakya Place, Part-1, Opp: C-2 Janak Puri, Pankha Road New, Delhi-110059,

Email: info@olsc.us, olsc.lab@gmail.com