# Biological Safety Cabinet
## Safe Working Environmental

## BIOLOGICAL SAFETY CABINET CLASS III-500 SERIES

# Biological Safety Cabinet Class III



Class III

Biological Safety Cabinet
Safe Working Environmental

Pass Box

09-11-21 ON 15:24
Airflow: 0.22M/S
Airflow: 43 F/M
DfP:19.8mmWC SAFE

MODE
HIGH
SEL MED.
LOW

Read all safety related instruction before use. Operate unit continuously for best performance. Test / certify this cabinet at least annually.

PROGRAMMING — QUICK KEYS
ESC  FUNC.  MENU  EXHAUST  LIGHT  BLOWER  UV LIGHT  POWER

LuxMed® Biological Safety
Cabinet Class III-500 Series

## APPLICATION

LuxMed® Biological Safety Cabinet Class III-500 Series are widely used in different areas like handling of carcinogen chemicals, hazardous materials, studying of diseases and for extra protection against high risk of infectious agents.

# Biological Safety Cabinet
## Safe Working Environmental

**LuxMed®**
**Healthcare Redefined**

## BIOLOGICAL SAFETY CABINET CLASS III-500 SERIES

LuxMed® Biological Safety Cabinet Class III-500 Series provides a physical barrier between biological agents and personnel. It is designed to work with level 4 pathogens. It involves a gas tight chamber with complete negative pressure inside and pair of gloves in operation area which prevents direct contact with the hazardous materials. The airflow is maintained by a dedicated exterior exhaust system.

## FEATURES

## Biological Safety Cabinet Class III

► Two-layered marinated toughened glass (≥5mm) motorized front window

► Remote control operation including front sash movement and fan speed control

► Motored front window with timer function

► Front window is completely sealed with≥ 8 thickness

► Digital LCD display for easy monitoring of all parameters

► Emission of 253.7 nm for highly efficient decontamination

► Foot switch to adjust the height of the front window

► Stainless Steel 304 table for operation

► Low noise and high energy efficiency for operational cost savings

► Audio and visual alarm for filter replacement, front window over height and abnormal airflow

## APPLICATION

LuxMed® Biological Safety Cabinet Class III-500

Series are widely used in different areas like handling

of carcinogen chemicals, hazardous materials,

studying of diseases and for extra protection against

high risk of infectious agents.

LuxMed® Biological Safety Cabinet Class III-500 Series

# Biological Safety Cabinet
## Safe Working Environmental

**LuxMed**®
Healthcare Redefined

## BIOLOGICAL SAFETY CABINET CLASS III-500 SERIES

## SPECIFICATION

## Biological Safety Cabinet Class III

| Model | LMBSF-501 | LMBSF-502 |
|---|---|---|
| Type | Class III | |
| Chamber Material | Epoxy coated cold-rolled steel | |
| Air Flow System | 0% Air Recirculation, 100% Air Exhaust | |
| Air Velocity | More than 355 cfm | |
| Prefilter | Washable | |
| Negative Work Zone Pressure | -274 Pa | |
| Main Filter | Air Supply Filter: ULPA filter 99.999% efficient (0.1-0.3 µm) | |
| | First Exhaust Filter: ULPA filter 99.999% efficient (0.1-0.3 µm) | |
| | Second Exhaust Filter: ULPA filter 99.999% efficient (0.1-0.3 µm) | |
| Noise Level | ≤65 dB | |
| Display | LCD | |
| Lighting | ≥ 800 lux | |
| Pass Box Size — Internal size (W x D x H) | 390×380×330 mm | 400×390×340 mm |
| Pass Box Size — External size (W x D x H) | 480×400×400 mm | 480×400×400 mm |
| Standard Accessory | Fluorescent Lamp, UV Lampx4, Pressure Meter, Remote Control, Drain Valve, Gloves | |
| Inner Dimension (W x D x H) | 750×560×600 mm | 1240×650×650 mm |
| Overall Dimension (W x D x H) | 1100×800×1600 mm | 1340×850×2100 mm |
| Power Supply | 230V/240V,50Hz/60Hz | |

# Biological Safety Cabinet
## Safe Working Environmental

**LuxMed®** Healthcare **Re**defined

LuxMed® Biological Safety Cabinet Class II Type A2 LMBSF-200

### A2

**Biological Safety Cabinet**
Safe Working Environmental

```
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PROGRAMMING    QUICK KEYS
ESC  FUNC.  MENU  EXHAUST  LIGHT  BLOWER  UV LIGHT  POWER

**Biological Safety Cabinet**
Safe Working Environmental

### Class III

Pass Box

LuxMed® Biological Safety Cabinet Class III-500 Series

LuxMed® Biological Safety Cabinet Class II Type B2 LMBSF-400 Series

**Biological Safety Cabinet**
Safe Working Environmental

### B2

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# Cleanroom and Biological safety product and services

**LuxMed**
Healthcare Redefined

Ceiling Laminar Airf low (CLAF)

Biological Safety Cabinet

Static Pass Box

Dynamic Pass Box

Sterile Garment Cabinet

Laminar Flow Cabinet

Fume Hood

Air Shower

Sampling / Dispensing Booth

**MADE IN INDIA**

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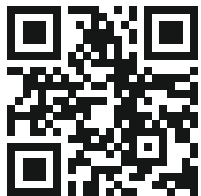E: cto@luxmed.in

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