

CLASS II BIOLOGICAL SAFETY CABINET LTCBS11-1



CLASS II BIOLOGICAL SAFETY CABINET

LTCBS11-1

Used in Cell culturing, Genetics, Microbiological, Research, Cell Biology, Molecular Biology, Plant, Laboratory.
Also known as Class II BSC, Biosafety Cabinet.

LTCBS11-1 CLASS II BIOLOGICAL SAFETY CABINET

Time reserve function
Stainless Steel 304 table for operation
Digital VFD display for easy monitoring of all parameters
Emission of 253.7 nm for highly efficient decontamination
Two-layered marinated toughened glass ($\geq 5\text{mm}$) motorized front window
Negative air pressure provides personnel protection by constant movement of air in working area
Remote control operation including front sash movement and fan speed control
Motored front window with timer function
Intrinsic sterilization is achieved after activating cabinet for 30 min via UV timing
Filter Life Indicator: Pressure value displayed to show life utility of main filter
Foot switch to adjust the height of the front window
Low noise and high energy efficiency for operational cost savings
Audio and visual alarm for filter replacement, front window over height and abnormal airflow



SPECIFICATIONS

| | |
|---------------------|--|
| Model | LTCBS11-1 |
| Type | Class II, Type B2 |
| Filter | ULPA Filter - Two, 99.9995% efficiency at 0.12 μm , filter life indicator |
| Inflow Velocity | $0.53 \pm 0.025 \text{ m/s}$ |
| Down Flow Velocity | $0.33 \pm 0.025 \text{ m/s}$ |
| UV Lamp | 30Wx1 UV timer, UV life indicator, emission of 235.7 nanometers for most efficient decontamination |
| LED Lamp | 14Wx2 |
| Illumination | $\geq 1000 \text{ lux}$ |
| Waterproof Socket | Two, total load of sockets: 500W |
| Work Surface Height | 750 mm (Size can be customized according to requirements) |
| Tested Opening | Safety height 200 mm (8") |
| Max Opening | 440 mm |
| Front Window | Motorized, two layer laminated toughened glass $\geq 6 \text{ mm}$, Anti UV |
| Airflow System | 0% air recirculation, 100% air exhaust |
| Control System | Microprocessor |
| Caster | Footmaster Caster |
| Display | LCD Display: exhaust filter and downflow filter pressure, filter and UV lamp working time, inflow and downflow velocity, filter life, humidity and temperature, system working time etc. |
| Work Zone Material | 304 Stainless steel |
| Main Body Material | Cold roller steel with anti bacteria powder coating |

| | |
|------------------------|---|
| Visual and Audio Alarm | Abnormal airflow velocity, filter replacement, front window at unsafe height, high filter pressure alarm, abnormal power failure |
| Standard Accessory | LED lamp 2pcs, UV lamp 1 pc, Base stand Remote control, Foot switch, Drain valve, Waterproof Socket 2 pcs, Exhaust blower, Exhaust duct |
| Optional Accessory | Water and Gas tap, Electric Height adjustable base stand, Armrest |
| Noise | ≤65dB |
| Internal Size (WxDxH) | 1150x600x660 mm |
| External Size (WxDxH) | 1300x755x2250 mm |
| Package Size (WxDxH) | 1430x1060x1840 mm 930x860x740 mm |
| Gross Weight | 282 kg ; 64 kg |
| Consumption | 1300 W |
| Power Supply | AC220V 50/60Hz ; 110 60Hz |

ACCESSORIES

| Accessory Code | Name |
|----------------|-----------|
| 6200808015 | UV Lampx2 |

OPTIONAL ACCESSORIES

| Accessory Code | Name | External Dimension | Package Size (mm) |
|----------------|---|--------------------|-------------------|
| 2400808008 | Infrared Sterilizer | 150x95x210 mm | |
| 2400808009 | Airflow Tester | | |
| 2400808010 | Formalin Fumigation Sterilizer | | 300x200x160 mm |
| 2400808011 | Ammonium Hydrogen Carbonate Neutralizer | | 300x200x160 mm |
| 2400808012 | Armrest | | |
| 2400808013 | Laboratory Chair | | |
| 2400808014 | Dust Particle Counter | | |
| 2400808015 | Digital Sound Level Meter | | |
| 2400808016 | Illumination Meter | | |
| 2400808017 | Air Flow Anemometer | | |
| 2400808018 | Protective Garment | | |
| 2400808019 | Protective Gloves | | |



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