# CLASS I BIOSAFETY CABINET

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Biolab Biological Safety Cabinet Class I series has an energy efficient design with low noise operation and corrosion free construction. Negative pressure ventilated cabinet operated with an open front and provides personnel protection. Air exiting the chamber is HEPA filtered to assure removal of contaminants.

Used in Biolab Biological Safety Cabinet Class I is widely used in microbiological work, research purposes in the field of genetics, cell biology, molecular biology, plant and animal cell culturing..

## 100 CLASS I BIOSAFETY CABINET

Stainless Steel 304 table for operation

HEPA Filter protects environment by filtering air before it is exhausted

UV lamp for sterilization

Soft touch control panel with LCD display

Stable air flow system providing personnel and environmental protection

Negative air pressure provides personnel protection by constant movement of air in working area

Low noise and high energy efficiency for operational cost savings

## SPECIFICATIONS

| Model | BCBS-101 | BCBS-102 | BCBS-103 | BCBS-104 |
|---|---|---|---|---|
| Type | Class I | | | |
| HEPA Filter | 1 | | | |
| HEPA Filter Efficiency | 99.999% efficiency at 0.3 μm | | | |
| Air Flow Velocity | > 0.3m/s | 0.75 ~ 1.0 m/s | > 0.3m/s | 0.75 ~ 1.0 m/s |
| Minimum Face Velocity | 75 linear feet per minute (lfpm) | | | |
| LED Lamp | 15Wx1 | 18Wx1 | 8Wx1 | 21Wx2 |
| UV Lamp | 15Wx1 | 20Wx1 | | |
| Work Surface Height | Benchtop Type | | | 740 mm |
| Inner Dimension (WxDxH) | 540x385x440 mm | 680x540x500 mm | 800x635x600 mm | 968x695x630 mm |
| Overall Dimension (WxDxH) | 550x395x730 mm | 700x550x900 mm | 900x713x1250 mm | 1100x695x1924 mm |
| Package Size | 710x550x950 mm | 870x720x1170 mm | 1060x870x1440 mm | 1270x880x2230 mm |
| Chamber Material | Poly Methyl Methacrylate (PMMA) | | Cold-rolled steel coated with anti-bacteria powder | |
| Noise Level | ≤60 dB | ≤55 dB | ≤60 dB | ≤67 dB |
| Weight | 40 kg | 60 kg | 100 kg | 150 kg |
| Power | 150 W | ≤160 W | ≤400 W | ≤350 W |
| Power Supply | AC220V±10%,50/60Hz;110V±10%,60Hz | | | |
| Caster | - | - | - | Universal Wheel |

## ACCESSORIES

| Accessory Code | Name | For Models |
|---|---|---|
| BX-103986 | Fluorescent Lamp | All |
| BX-103987 | UV Lampx2 | All |

| BX-103988 | Base Stand | BCBS-104 |
|-----------|------------|----------|

# OPTIONAL ACCESSORIES

| Accessory Code | Name | External Dimension | Package Size (mm) |
|----------------|------|--------------------|--------------------|
| BX-102683 | Infrared Sterilizer | 150x95x210 mm | |
| BX-102684 | Airflow Tester | | |
| BX-102685 | Formalin Fumigation Sterilizer | | 300x200x160 mm |
| BX-102686 | Ammonium Hydrogen Carbonate Neutralizer | | 300x200x160 mm |
| BX-102687 | Armrest | | |
| BX-102688 | Laboratory Chair | | |
| BX-102689 | Dust Particle Counter | | |
| BX-102690 | Digital Sound Level Meter | | |
| BX-102691 | Illumination Meter | | |
| BX-102692 | Air Flow Anemometer | | |
| BX-102693 | Protective Garment | | |
| BX-102694 | Protective Gloves | | |



BCBS-101, BCBS-102



BCBS-103



BCBS-104