



## BIOLOGICAL SAFETY CABINET CLASS II BCBS-203

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Biolab Biological Safety Cabinet Class II Series is engineered specifically for laboratory operations that require user and product protection. Operates with a negative air pressure for personnel protection and HEPA filtered laminar airflow for product protection. Suitable for microbiological and research applications that do not involve radioactive substances and toxic contaminants.

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

## BCBS-203 BIOLOGICAL SAFETY CABINET CLASS II



- Time reserve function
- Stainless Steel 304 table for operation
- Emission of 253.7 nm for highly efficient decontamination
- Remote control operation including front sash movement and fan speed control
- Motorized front window with timer function
- 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
- Foot switch to adjust the height of the front window
- 2 waterproof sockets located inside panel
- Automatic air speed adjustable with filter block
- Filter Life Indicator: Pressure value displayed to show life utility of main filter
- Interlock function: Fluorescent lamp, UV lamp and front window, Blower and front window, UV lamp and blower
- Low noise and high energy efficiency for operational cost savings
- Audio and visual alarm for filter replacement, front window over height and abnormal airflow velocity
- LCD display: filter and UV lamp working time, Filter life, Exhaust filter and downflow filter pressure, Humidity and temperature, System working time, Inflow and downflow velocity etc.

## SPECIFICATIONS

| Model                   | BCBS-203                                                        |
|-------------------------|-----------------------------------------------------------------|
| Type                    | Class II, Type A2                                               |
| HEPA Filter             | 2                                                               |
| HEPA Filter Efficiency  | 99.999% efficiency at 0.3 $\mu\text{m}$ . Filter life Indicator |
| Air Circulation         | 0.7                                                             |
| Exhaust Air             | 0.3                                                             |
| Inflow Velocity         | 0.53 $\pm$ 0.025 m/s                                            |
| Down Flow Velocity      | 0.33 $\pm$ 0.025 m/s                                            |
| Fluorescent Lamp        | 28Wx2                                                           |
| UV Lamp                 | 40Wx1                                                           |
| Illumination            | $\geq 1000$ lux                                                 |
| Work Surface Height     | 750 mm                                                          |
| Tested Opening          | 200 mm                                                          |
| Max Opening             | 400 mm                                                          |
| Inner Dimension (WxDxH) | 1350 $\times$ 600 $\times$ 660 mm                               |

|                           |                                                               |
|---------------------------|---------------------------------------------------------------|
| Overall Dimension (WxDxH) | 1500×750×2250 mm                                              |
| Package Size              | 1630x1000x1820 mm                                             |
| Caster                    | Universal Wheel with brake and levelling feet                 |
| Front Window              | Motorized, two layer laminated toughened glass ≥5 mm, Anti UV |
| Clean Level               | Class 100                                                     |
| Control System            | Microprocessor                                                |
| Socket                    | Two, Total load of two sockets: 500W                          |
| Noise Level               | EN12469≤58dB / NSF≤61dB                                       |
| Weight                    | 316 kg                                                        |
| Power                     | 1300 W                                                        |
| Power Supply              | 100/220V±10%, 50/60Hz                                         |

## ACCESSORIES

| Accessory Code | Name             | Description |
|----------------|------------------|-------------|
| BX-58522       | Fluorescent Lamp |             |
| BX-58534       | UV Lampx2        |             |
| BX-58546       | Base Stand       |             |
| BX-58558       | Remote Control   |             |

| Accessory Code | Name               | Description |
|----------------|--------------------|-------------|
| BX-58570       | Foot switch        |             |
| BX-58582       | Drain Valve        |             |
| BX-58594       | Waterproof Sockets |             |

## OPTIONAL ACCESSORIES

| Accessory Code | Name                                    | Description | External Dimension | Package Size (mm) |
|----------------|-----------------------------------------|-------------|--------------------|-------------------|
| BX-58061       | Infrared Sterilizer                     |             | 150x95x210 mm      |                   |
| BX-58073       | Airflow Tester                          |             |                    |                   |
| BX-58085       | Formalin Fumigation Sterilizer          |             |                    | 300x200x160 mm    |
| BX-58097       | Ammonium Hydrogen Carbonate Neutralizer |             |                    | 300x200x160 mm    |
| BX-58109       | Armrest                                 |             |                    |                   |
| BX-58121       | Laboratory Chair                        |             |                    |                   |
| BX-58133       | Dust Particle Counter                   |             |                    |                   |
| BX-58145       | Digital Sound Level Meter               |             |                    |                   |
| BX-58157       | Illumination Meter                      |             |                    |                   |
| BX-58169       | Air Flow Anemometer                     |             |                    |                   |
| BX-58181       | Protective Garment                      |             |                    |                   |
| BX-58193       | Protective Gloves                       |             |                    |                   |



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