



# BIOLOGICAL SAFETY CABINET CLASS II BCBS-1102

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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.

### BCBS-1102 BIOLOGICAL SAFETY CABINET CLASS II



7-inch large touch color display: touch operation, real-time and clearer display of various values of the safety cabinet, dynamic air flow pattern diagram, fault alarm sound and light prompt

The power-on password can be set to prevent mis-operation by irrelevant personnel

Automatically adjust the wind speed

Power-off memory, restore the state before power-off, and have a visual reminder to alarm

Side windows on both sides for easy observation

The operation area is integrally formed, which is easy to disassemble and clean

A breeze speed sensor is equipped at the working area and the outer exhaust air outlet to detect the wind speed in real time

It can be used both manually and electrically, and the glass door can be pulled down to close the front window when the power is off

The cabinet is separated from the base. The height of the adjustable base can be customized

Interlocking function: UV lamp and front window; UV lamp and fan, fluorescent lamp; fan and front window

It has an appointment timing function, which can automatically set the timing of turning on, turning off and the running time of the UV lamp, fan, and socket

The closing of the front window can double trigger the signal, so that the sterilization and disinfection function of the UV lamp can be turned on normally

The cabinet is designed with a 10° inclination angle, which conforms to the principle of ergonomics, has a larger viewing angle, is easy to operate and is more user-friendly

Anti-paper dust structure at the air inlet to prevent paper dust from entering the air cavity

Split countertop is easier to clean

Working area cleanliness level reached ISO14644.1 standard Class 4

## SPECIFICATIONS

Model	BCBS-1102
Type	EN Certified Biological Safety Cabinet class II Type A2
Airflow Volume (Inflow)	490m <sup>3</sup> /h (289cfm)
Airflow Volume (Down flow)	65%: 910 m <sup>3</sup> /h (536cfm)
Airflow Volume (Exhaust)	35%: 490m <sup>3</sup> /h (289cfm)
Filter	ULPA Filter - 2 pcs, filtration efficiency for 0.12um particles≥99.9995%
Max Opening	500 mm
Tested Opening	200 mm
Work Surface Height	750 mm
Work Zone Material	304 stainless steel, side window glass
Main Body Material	cold-rolled steel with anti-bacteria powder coating
Front Window	Manual and electric, glass thickness> 5mm, anti-ultraviolet

UV Lamp	30 W
LED Lamp	14Wx 2
Illumination	≥1000 Lux
Display	Color Touch Screen
Visual and audio alarm	Alarm for abnormal wind speed, alarm for glass door not at safe height, alarm for abnormal power failure
Motor	AC single fan, Adjustable speed, high efficiency, low power
Noise	EN12469≤65dB
Standard Accessory	Cabinet x1, Base stand x1, LED lamp x2, UV lamp x1, S.S. water tap x1, S.S. gas tap x1, Drain ball valve x1, European Standard Socket 230V, 3A x2
Optional Accessory	Arm rest, Formalin fumigation sterilizer, Infrared sterilizer, Electric height adjustable base stand
External Size (WxDxH)	1383x800x2260 mm
Internal Size (WxDxH)	1280x600x650 mm
Package Size (WxDxH)	1530x1060x1880 mm
Gross Weight	345 kg
Consumption	1200 W
Power Supply	AC 230V, 50Hz



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