



## BIOLOGICAL SAFETY CABINET CLASS II BCBS-304

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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-304 BIOLOGICAL SAFETY CABINET CLASS II

Stainless Steel 304 table for operation  
Digital LCD display for easy monitoring of all parameters  
Emission of 253.7 nm for highly efficient decontamination  
Motored 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  
Remote control operation including front sash movement and fan speed control  
Foot switch to adjust the height of the front window  
Centrifugal fan speed adjustable: H14 HEPA filter  
Collecting tank (4000 ml) collects spatters of working area without any leakage  
Intrinsic sterilization is achieved after activating cabinet for 30 min via UV timing  
Air drawn into the cabinet through air grill  
Filter Life Indicator: Pressure value displayed to show life utility of main filter  
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	BCBS-304
Type	Class II, Type A2
Filter	HEPA Filter - Two, 99.995% efficiency at $0.3\mu\text{m}$ , filter life indicator Filter Guard Type - Aluminum alloy frame , glass filter paper
Tested Opening	Safety height 200mm (8")
Work Surface Height	750 mm
Max Opening	520 mm (21")
Airflow System	Air Flow Volume: 348 m <sup>3</sup> / h (205cfm) 35%: 348 m <sup>3</sup> /h (205cfm) Inflow Downflow Exhaust: 65%: 649 m <sup>3</sup> /h (382 cfm)
Front Window	Manual, Laminated toughened glass, Anti UV
Work Zone Material	304 Stainless steel Frame and decorative plate
Main Body Material	Cold roller steel with anti bacteria powder coating
UV Lamp	20W 30W Germicidal UV lamp, Emission of 253.7nanometers for most efficient decontamination, UV timer, UV life indicator
LED Lamp	10W x2
Visual and Audio Alarm	Abnormal airflow velocity, Filter replacement, Front window at unsafe height, High filter pressure alarm
Motor	One ECM motor, 230V acceptable, Speed adjustable, high efficiency and low power consumption
Waterproof Socket	Two, Total consumption: $\leq 500\text{W}$

Noise	EN 12469≤58 dB
Standard Accessory	LED lamp 2pcs, UV lamp 1 pc, Base stand SS water tap x1, SS gas tap x1, Drain valve, Waterproof sockets x2, Stainless steel I.V. bar with 10 hooks, Ground Resistant - ≤0.10Ω
Optional Accessory	Armrest, Airflow tester, formalin fumigation sterilizer, infrared sterilizer, remote control, Electric height adjustable base stand , Motorized front window
Illumination	>1000 lux
Display	LCD Display
Internal Size (WxDxH)	910x600x660 mm
External Size (WxDxH)	1087x775x2265 mm
Package Size (WxDxH)	1250x1080x1840 mm
Consumption	<550W
Gross Weight	270 kg
Power Supply	AC 230V, 50Hz

## ACCESSORIES

Accessory Code	Name
6000606013	UV Lampx2

## OPTIONAL ACCESSORIES

Accessory Code	Name	External Dimension	Package Size (mm)
2200606006	Infrared Sterilizer	150x95x210 mm	
2200606007	Airflow Tester		
2200606008	Formalin Fumigation Sterilizer		300x200x160 mm
2200606009	Ammonium Hydrogen Carbonate Neutralizer		300x200x160 mm
2200606010	Armrest		
2200606011	Laboratory Chair		
2200606012	Dust Particle Counter		
2200606013	Digital Sound Level Meter		
2200606014	Illumination Meter		
2200606015	Air Flow Anemometer		
2200606016	Protective Garment		
2200606017	Protective Gloves		



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