



## BIOLOGICAL SAFETY CABINET CLASS II BCBS-301

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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-301 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
- 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
- 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-301
Type	Class II, Type A2
Filter	HEPA Filter - Two, 99.995% efficiency at $0.3\mu\text{m}$ . Filter life indicator
Inflow Velocity	$0.53\pm 0.025\text{m/s}$
Down Flow Velocity	$0.33\pm 0.025\text{m/s}$
Max Opening	370mm(15")
Tested Opening	Safety height 200mm(8")
Front Window	Motorized. Single Layer toughened glass 5mm. Anti UV.
Airflow System	70% air recirculation, 30% air exhaust
Main Body Material	Cold-rolled steel with anti-bacteria powder coating
Work Zone Material	304 stainless steel
Work Surface Height	750mm with optional base stand
UV Lamp	15W x1 UV timer, UV life indicator, emission of 253.7 nanometers for most efficient decontamination
LED Lamp	8W x2
Illumination	$\geq 1000\text{Lux}$
Display	LCD display
Control System	Microprocessor
Visual and Audio Alarm	Filter replacement, window over height, abnormal air flow velocity; High filter pressure alarm.
Standard Accessory	LED lamp x2, UV lamp x1, Remote control, Waterproof sockets x2
Optional Accessory	SS Water tap x1, SS Gas tap x1, Base stand

Waterproof Socket	Two, total load of two sockets: 500W
Noise	≤67dB
Internal Size (WxDxH)	600x500x540mm
External Size (WxDxH)	700x650x1230mm (without base stand)
Package Size (WxDxH)	Carton: 850x787x450mm Wood: 860x970x1420mm (with base stand) Carton: 730x787x1450mm Wood: 860x780x1420mm (without base stand)
Gross Weight	Carton: 140kg Wood: 160kg (with base stand) Carton: 120kg Wood: 140kg (without base stand)
Power Supply	AC220V±10%, 50/60HZ; 110V±10%, 60Hz

## 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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