



## BIOLOGICAL SAFETY CABINET CLASS II BCBS-306

## BIOLOGICAL SAFETY CABINET CLASS II BCBS-306

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-306 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-306
Type	Class II, Type A2
Filter	HEPA Filter Efficiency - 99.999% efficiency at 0.3 $\mu\text{m}$ . Filter life Indicator HEPA Filter - 2 Filter Guard Type - Aluminum alloy frame, glass filter paper
Airflow Volume (Inflow)	649 m <sup>3</sup> / h (382cfm)
Airflow Volume (Down flow)	64%: 1190 m <sup>3</sup> / h (700 cfm)
Exhaust	Airflow Volume Exhaust: 36%: 669 m <sup>3</sup> /h (394 cfm)
Minimum Face Velocity	75 linear feet per minute (lfpm)
Inflow Velocity	0.53 $\pm$ 0.025m/s
Down Flow Velocity	0.35 $\pm$ 0.025m/s
UV Lamp	40Wx1
Illumination	$\geq 1000$ lux
Work Surface Height	750 mm
Tested Opening	200 mm
Max Opening	550 mm
Internal Size (WxDxH)	1700x600x660 mm
External Size (WxDxH)	1873x775x2295 mm
Package Size (WxDxH)	2020x1080x1900 mm

Caster	None
Front Window	Motorized. Two layer laminated toughened glass≥5 mm, Anti UV
Main Body Material	Chamber Material - Cold-rolled steel coated with anti-bacteria powder coating
Waterproof Socket	Two, Total load of two sockets: 500W
Standard Accessory	Water tapx1, Gas tapx1
Noise	NSF 49≤61 dB/EN 12469≤58 dB
Gross Weight	363 kg
Consumption	500 W Ground Resistance:≤0.10Ω
Power Supply	AC220V/110V, 50Hz/60HZ, 9A, BTU/Hr: 1689

## 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		



**Biolab Scientific Ltd.**

3660 Midland Avenue, Suite 300, Toronto, Ontario M1V 0B8, Canada  
Email: [contact@biolabscientific.com](mailto:contact@biolabscientific.com) | Website: [www.biolabscientific.com](http://www.biolabscientific.com)