

LABSTAC

CLASS II BIOLOGICAL SAFETY CABINET BSC21-1700A2



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CLASS II BIOLOGICAL SAFETY CABINET

BSC21-1700A2

It operates with a negative air pressure for personnel protection and HEPA filtered laminar airflow for product protection to meet the requirements for the environment from microorganisms and aerosols. Features like Time reverse function, Interlock function, low noise and Filter Life Indicator makes the product beneficial and reliable.

Used in Cell culturing, Genetics, Microbiological, Research, Cell Biology, Molecular Biology, Plant, Laboratory.

Also known as Class II BSC, Biosafety Cabinet.

BSC21-1700A2 CLASS II BIOLOGICAL SAFETY CABINET

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	BSC21-1700A2
Type	Class II, Type A2
Filter	HEPA Filter Efficiency - 99.999% efficiency at 0.3 μm . Filter life Indicator HEPA Filter - 2 Filter Guard Type - Aluminum alloy frame , glass filter paper
Airflow Volume (Inflow)	649 m ³ / h (382cfm)
Airflow Volume (Down flow)	64%: 1190 m ³ / h (700 cfm)
Exhaust	Airflow Volume Exhaust: 36%: 669 m ³ /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	≥ 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 \geq 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 \leq 61 dB/EN 12469 \leq 58 dB
Gross Weight	363 kg
Consumption	500 W Ground Resistance: \leq 0.10 Ω
Power Supply	AC220V/110V, 50Hz/60HZ, 9A, BTU/Hr: 1689

ACCESSORIES

Accessory Code	Name
5900505012	UV Lampx2

OPTIONAL ACCESSORIES

Accessory Code	Name	External Dimension	Package Size (mm)
2100505005	Infrared Sterilizer	150x95x210 mm	
2100505006	Airflow Tester		
2100505007	Formalin Fumigation Sterilizer		300x200x160 mm
2100505008	Ammonium Hydrogen Carbonate Neutralizer		300x200x160 mm
2100505009	Armrest		
2100505010	Laboratory Chair		
2100505011	Dust Particle Counter		
2100505012	Digital Sound Level Meter		
2100505013	Illumination Meter		
2100505014	Air Flow Anemometer		
2100505015	Protective Garment		
2100505016	Protective Gloves		

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