# CLASS II BIOLOGICAL SAFETY CABINET BSC21-1700A2

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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 (≥5mm) 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				
Туре	Class II, Type A2				
HEPA Filter	2				
HEPA Filter Efficiency	99.999% efficiency at 0.3 μm. Filter life Indicator				
Airflow Volume Inflow	649 m3 / h (382cfm)				
Airflow Volume Downflow	64%: 1190 m3 / h (700 cfm)				
Airflow Volume Exhaust	36%: 669 m3/h (394 cfm)				
Filter Guard Type	Aluminum alloy frame				
Minimum Face Velocity	75 linear feet per minute (lfpm)				
Inflow Velocity	0.53±0.025m/s				
Down Flow Velocity	0.35±0.025m/s				
UV Lamp	40Wx1				
Illumination	≥1000 lux				
Work Surface Height	750 mm				
Tested Opening	200 mm				



Max Opening	550 mm				
Inner Dimension (WxDxH)	1700x600x660 mm				
Overall Dimension (WxDxH)	1873x775x2295 mm				
Package Size	2020x1080x1900 mm				
Caster	None				
Front Window	Motorized. Two layer laminated toughened glass≥5 mm, Anti UV				
Chamber Material	Cold-rolled steel coated with anti-bacteria powder coating				
Socket	Two, Total load of two sockets: 500W				
Тар	Water tapx1, Gas tapx1				
Ground Resistance	≤0.10Ω				
Noise Level	NSF 49≤61 dB/EN 12469≤58 dB				
Weight	363 kg				
Power	500 W				
Power Supply	AC220V/110V, 50Hz/60HZ, 9A, BTU/Hr: 1689				

#### ACCESSORIES

Accessory Code	Name	Description	Accessory Code	Name	Description
LS53467	Fluorescent Lamp		LS53527	Drain Valve	
LS53479	UV Lampx2		LS53539	Waterproof Sockets	
LS53491	Base Stand		LS53551	Stainless Steel water & Gas Taps	
LS53503	Remote Control				

#### **OPTIONAL ACCESSORIES**

Accessory Code	Name	Description	External Dimension	Package Size (mm)
LS53006	Infrared Sterilizer		150x95x210 mm	
LS53018	Airflow Tester			
LS53030	Formalin Fumigation Sterilizer			300x200x160 mm
LS53042	Ammonium Hydrogen Carbonate Neutralizer			300x200x160 mm
LS53054	Armrest			
LS53066	Laboratory Chair			
LS53078	Dust Particle Counter			
LS53090	Digital Sound Level Meter			
LS53102	Illumination Meter			
LS53114	Air Flow Anemometer			
LS53126	Protective Garment			
LS53138	Protective Gloves			



#### Centrifugen

82 Wendell Avenue, STE 100, Pittsfield, MA, 01201, USA Email: info@centrifugen.com | Website: centrifugen.com