

# CYTOTOXIC SAFETY CABINET BSC41-1220



# CYTOTOXIC SAFETY CABINET BSC41-1220

It is designed to provide a controlled environment for the manipulation and amplification of DNA and RNA. From Dead-Air boxes to Laminar Flow UV Cabinets with HEPA filtration we have a solution to support your application. Safety is kept in mind for changing the filter.

Used in Cell culturing, Genetics, Microbiological, Research, Cell Biology, Molecular Biology, Plant, Laboratory.  
Also known as Class II BSC, Biosafety Cabinet.

## BSC41-1220 CYTOTOXIC 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

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	BSC41-1220
Type	Class II, Type A2
HEPA Filter	2
Air Filter	ULPA Filter, >99.999% efficiency for particle size at 0.12 $\mu\text{m}$ . Filter life Indicator
HEPA Filter Efficiency	99.999% efficiency at 0.3 $\mu\text{m}$ . Filter life Indicator
Airflow Volume Exhaust	465 m <sup>3</sup> / h (273 cfm)
Minimum Face Velocity	75 linear feet per minute (lfpm)
Inflow Velocity	0.53 m/s
Down Flow Velocity	0.33 m/s
LED Lamp	28Wx2
Fluorescent Lamp	28Wx2
UV Lamp	30Wx1
Illumination	$\geq 1000$ lux
Work Surface Height	750 mm
Tested Opening	200 mm
Max Opening	440 mm
Internal Work Area, Space	0.73m <sup>3</sup>
Inner Dimension (WxDxH)	1220x660x630 mm

Overall Dimension (WxDxH)	1370x760x2100 mm
Package Size	1550x900x2280 mm
Caster	Universal Wheel with brake and levelling feet
Control System	Microprocessor
Chamber Material	Cold-rolled steel coated with anti-bacteria powder coating
Socket	Two, Total load of two sockets: 500W
Tap	Water tapx1, Gas tapx1
Noise Level	EN12469≤58dB/NSF49≤ 61 dB
Weight	350 kg
Power	900 W
Power Supply	AC220V± 10%,50/60HZ; 110V±10%, 60HZ

## ACCESSORIES

Accessory Code	Name	Description
LS53467	Fluorescent Lamp	
LS53479	UV Lampx2	
LS53491	Base Stand	
LS53503	Remote Control	

Accessory Code	Name	Description
LS53527	Drain Valve	
LS53539	Waterproof Sockets	
LS53551	Stainless Steel water & Gas Taps	

## 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			



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