

# MEDICAL BIOLOGICAL SAFETY CABINET



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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 Drug processing, Pharmaceutical, Laboratory, Research.

Also known as Medical Biosafety Cabinet, Cytotoxic Safety Cabinet, PCR Cabinet.

## BSC41-0900 PCR CABINET



### SPECIFICATIONS

Model	BSC41-0900
Air Flow Velocity	0.3~0.5 m/s, speed adjustable
Pre-Filter	Polyester fiber, Washable
Fluorescent Lamp	40 Wx1
UV Lamp	20 Wx2, UV timer
Illumination	≥1000 lux
Work Surface Height	750 mm
Max Opening	320 mm
Inner Dimension (WxDxH)	900x595x560 mm
Overall Dimension (WxDxH)	1000x705x1770 mm
Package Size	1160x920x1350 mm
Caster	Universal Caster with leveling feet
Front Window	Manual, 5 mm toughened glass, Anti-UV
Chamber Material	Main Body: Cold-rolled steel with anti-bacteria powder coating, Work Table: 304 stainless steel
Socket	Two, total load≤500 W
Shelf with IV bar	Stainless steel, 492x140x55 mm
Weight	≤60 dB
Power	150 kg
Power Supply	380 W

# 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 $\leq$ 58dB/NSF49 $\leq$ 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			

# Centrifugen

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