



BIOSAFETY CABINET

Complete Solution for Life Science Research

BIOSAFETY CABINET

Biosafety Cabinets (BSCs) are enclosed workspaces with a ventilated hood that is designed to contain pathogenic microorganisms during microbiological processes.

- The primary purpose of biosafety cabinets is to protect the laboratory personnel and the environment from the pathogenic microorganism as aerosols might be formed during the processing of such microorganisms.
- Biosafety cabinets are only used for certain risk group organisms and for processes that might result in aerosol formation.
- These cabinets are provided with HEPA-filters that decontaminate the air moving out of the cabinet.
- Biosafety cabinets might be confused with the laminar hood as both of these pieces of equipment work as enclosed workspaces. But, laminar hood only provides protection to the sample and not to the personnel and the environment, whereas biosafety cabinets protect all three.
- The use of biosafety cabinets or other such physical containment is not required in the biosafety level 1, but depending on the risk assessment, some processes might require such containment.
- BSCs are an essential part of biosafety as they minimize the formation of aerosol, protecting the environment, the pathogen, and the laboratory personnel.
- Besides, most BSCs also function to sterilize biological materials that are kept inside the cabinets.



TECHNICAL SPECIFICATION

Description	BIOSAFETY CABINET
Type	100 Percent Exhaust
Inner Chamber	Working area made of stainless steel 304 Grade
Outer Chamber	Outer chamber made of mild steel and finished with powder coated.
Cleanliness Level	Class 100The particle sizes of 0. m < 300 particles / Ft > of air & 0.5 m < 100 particles / Ft > of air at both at rest operation condition as per US Federal Standard 209E
Prefilter	85 percent efficiency for particles down to 0.5micron(Washable
Hepa filter	Hepa filters Box Type efficiency 99.97 percent efficiency for particles down to 0.3 micron
Blower	High efficient centrifugal type with lifetime lubricated bearings
Light	High intensity, low wattage >800 LUX
Noise Level	<60 db A
Standard Accessories	Air/gas cock and mains power socket (16A)
Power Supply	220-230 V ,50 Hz
Filtration	Doubled filtered air blows in laminar flow through the worktable at designed velocity of 100 ft/min, +/- 20%
	100 % leak proof fittings ensure against contamination provides a comfortable sit down working position with footrest.
Cabinet	Complete CRC Sheet fabrication finished with powder coated without variation
Accessories	Supplied with Manometer , electrical control switches for illumination light On,UV Light ON, Blower on and other standard provisions

Ordering Information

Cat#	Description	Qty
BIO-BSC-01	Biosafety Cabinet 2 feet x 2 feet	1 No
BIO-BSC-02	Biosafety Cabinet 3 feet x 2 feet	1 No
BIO-BSC-03	Biosafety Cabinet 4 feet x 2 feet	1 No
BIO-BSC-04	Biosafety Cabinet 6 feet x 2 feet	1 No

BIO WORLD

1247, 6th Main, 5th Stage, 1st Phase, B.E.M.L Layout , R.R Nagar, Bangalore – 560098

Website: www.bioworldproducts.com ; Email : info@bioworldindia.in

Mobile: +91-9591779325,7760658542,9448351365