

# Class I Biosafety Cabinet FM-BSC-A103



## Description :

Class I Biosafety Cabinet FM-BSC-A103 features cabinet with open front window design and works on principle of negative pressure generation. Appropriate for work, involving low to moderate risk agents (Biosafety Levels 1,2 and 3) where there is a need for containment, but not for product protection. Equipped with protective features such as cold-rolled steel coat that inhibits microbial growth, plus UV lamp of 21 W and fluorescent lamp of 20 W for sterilization. Built-in with floor standing type positioned on cold-rolled steel base stand and portable universal caster wheels. It offers operator protection via inward airflow allowing escape of airborne particles generated within cabinet with the aid of HEPA filtration of exhaust air.

## Specifications :

Class type	Class I
Biosafety levels	BSL I, II and III
HEPA filter	99.999% efficient at 0.3 um
Airflow velocity	0.38 m/s to 0.6 m/s
Noise	≤60d B
Fluorescent lamp	21 W ×1
UV lamp	20 W ×1
Body material	Cold-rolled steel coated with anti-bacteria powder
Work table material	304 stainless steel
Base stand	Cold-rolled steel
Work surface height	740 mm
Caster	Universal wheel
Power consumption	400 W

Power supply	110/220 V±10%; 60/50 Hz
Internal chamber dimension (W×D×H)	968×695×630 mm
External chamber dimension (W×D×H)	1100×695×1924 mm
Packaging dimension (W×D×H)	1250×840×2250 mm
Gross weight	150 kg

## Features :

- Suitable for BSL I, II and III
- Provides user and environment protection with no product protection
- Soft touch control panel with LCD Display
- UV lamp of 21 W and fluorescent lamp of 20 W for sterilization
- Vertical negative pressure
- Stable air flow system with velocity of 0.38 m/s to 0.6 m/s, provides firm protection to personal and environment
- Exhausted air filtered through high efficiency perfect air filter before discharging in environment
- Glass pleated non-woven fabric filter having 99.99% efficiency 0.3-micron particle size
- Energy-saving, high efficiency, low noise
- cold-rolled steel coat with anti-bacteria powder coating
- 304 grade stainless steel work table, easy for cleaning
- Floor standing using base stand and work surface height of 740 mm
- Castor wheels with brake system for easy movement in the laboratory

## Applications:

Used for day to day clean room activities involving high risk pathogens, etiological agents, nonvolatile radio nuclides and limited degree of low toxic chemicals for various applications in research labs of all the branches of medical, agriculture, basic and applied science.

## Accessories:

Accessories no	Accessories name	Unit
1	Fluorescent lamp	21 W × 1
2	UV lamp	20 W × 1
3	Base stand	1



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