MEHROTRA Biotech

CLASS II BIOLOGICAL SAFETY CABINET

MEHROTRA Biotech
BIOSAFETY CABINET
CLASS II TYPE A2

0.33   55
55

CLASS 100 PROTECTION

SILENT OPERATION

ENERGY EFFICIENT

DIGITAL CONTROLLER

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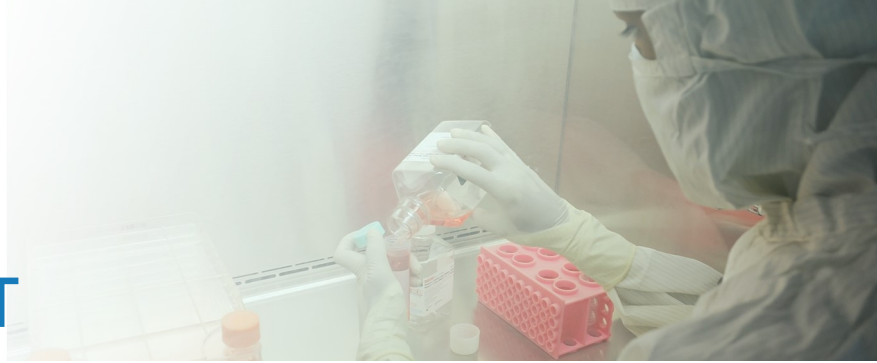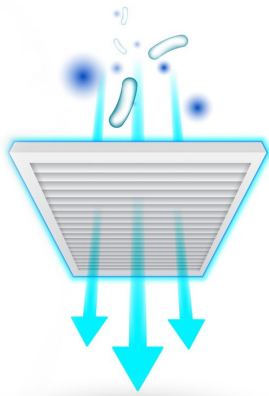
MEHROTRA Biotech

BIOSAFETY CABINET

Mehrotra Biotech make Class II Type A2 Biological Safety Cabinet is engineered specifically for laboratory operations that requires protection to product, personnel and environment. It provides user with a more comfortable and safer working condition.

It is widely used in microbiological work, research purposes in the field of genetics, cell biology, molecular biology, plant and animal cell culturing.

1 Personnel protection from harmful agents inside the cabinets.

2 Product protection to avoid contamination or cross contamination during the experiment.

3 Environment protection from the contaminants

FEATURES

> 7 degree sloped front for comfortable user sitting with easy slide sash opening.

> User Friendly HMI Display to control Illumination, FAN and UV with alarm and data logging facility with USB output

> Removable, stainless steel SS304 work surface.

> Equipped with H14 HEPA filter

> Electronically Commutated AC blower with automatic air flow compensation technology for constant air flow profile

> Programmable UV timer along with total UV time log.

> Easy access gas valve and power port.

> Ergonomic design stainless steel armrest.

> Equipped with ECO-Mode functionality that reduces Fan speed when sash is closed

Intuitive Color HMI Display with touch screen interface for various controls along with on screen UV & HEPA life display and USB data logger

Mehrotra biotech CBS series are independently tested and certified by EN 12469. CBS series guarantees conformity to standard EN 12469 for class II biological safety cabinets (30% exhaust, 70% recirculation unit). The MBPL CBS series is specified for working with level 1,2 and 3 pathogenic agents.

High Performance Blower Motor

Low Noise and Vibration free motor improves concentration

Superior Quality HEPA Filter

Superior quality HEPA filter with η99.999% @0.3µm protects the personnel, product and environment from harmful contaminants.

User Friendly Controller

Intuitive HMI Controller with data logger and soft touch controls

Ergonomic design Stainless Steel Interior with Curved Corners

Easy access external service ports

User Friendly Intake Grill with stylish armrest

Wide channelled intake grill perfectly prevents the contamination of outside and inside of the worktable and wide armrest reduces the degree of fatigue of the user.

UV Cut-off & Sash Open Alarm

Safety alarm for user when sash is opened & auto UV cut-off.

TECHNICAL SPECIFICATIONS

Model	CBS1500
External Dimension(LxWxH)	1620x746x1330 mm
Internal Dimension(LxWxH)	1500X 580x660 mm
Display	5 " Touch Screen Display
Cleanliness Level	Class 100(Class II Type A2)
Filter	Downflow 1500x500x69mm HEPA Filter η 99.999% @0.3μm Pre-filter: 600x300x69mm HEPA Filter
Noise	<65 dB ±5%
Sensor	Air Flow Sensor
Sterilization	30W 254nm UV Tube
Blower	Electronically Commutated Heavy Duty blower with automatic air flow compensation technology through air flow sensor feedback mechanism
InFlow/Downflow Velocity	0.51 m/s ; 0.35m/s
Illumination	1 Nos. 24W LED Batten
Front Sash	Double layered laminated glass for UV protection
Workspace	AISI 304 Stainless steel with removable worktop.
Standard Service Port	1 Nos 15 Amp Socket with switch 1 Nos Gas nozzle with shutoff valve.
Sash Opening	8in (203.2mm)
Rated Voltage	220V –240V /50hz
Rated Power	500W
Standard Accessory	Powder Coated MS Base Stand with Castors.
Optional Accessory	Additional Power Sockets, Air Flow Monitoring , Air flow control

MEHROTRA Biotech

CE

ISO 13485:2016 Medical Devices

CERTIFIED ISO 9001:2008 COMPANY

INTERNATIONAL ACCREDITATION FORUM IAF

Certification of Management System

JAS-ANZ

ICR CONFORMITY VERIFIED

EN12469