



MEHROTRA
Biotech

ADVANCE TECHNOLOGIES EFFECTIVE SOLUTION



WHAT WE DO?

Mehrotra Biotech Pvt Ltd has been established with an aim to contribute to the enhancement of medical-hospital, pharmaceutical, biotechnological, and general laboratory services through the provision of high-quality innovative solutions, ensuring an improved quality of life and well-being for society at large.

Our primary objective is to deliver customized solutions that precisely align with the unique requirements of our customers. To achieve this, our dedicated functions including engineering, R&D, manufacturing, and customer service are focused on each technology within Mehrotra Biotech's area of expertise:

- We offer solutions and equipment for clean air technology, encompassing both horizontal and vertical laminar flow cabinets, biological safety cabinets, and laminar flow systems.
- Our portfolio includes solutions and equipment for advanced sterilization utilizing Autoclaves, Ovens, and incubators.
- We specialize in solutions and equipment employing biological containment technology, such as containment isolators and sterile isolators.
- Additionally, we provide solutions and equipment utilizing freeze drying and vacuum drying technology, ranging from laboratory freeze dryers to GMP freeze dryers.

By offering these comprehensive solutions, we aim to continually improve and advance the various sectors we serve, ensuring the highest standards of quality, safety, and efficiency in medical and laboratory practices.

“Our aim is to provide tailor-made solutions in strict accordance to the needs of customers.”



OUR MISSION

Our mission is to empower individuals and communities through innovative solutions and exceptional service. We are committed to providing high-quality products and services that address the needs of our customers and contribute to advancements in scientific and medical research. Guided by our core values of integrity, collaboration, and social responsibility, we strive to make a positive impact on society, while prioritizing environmental sustainability and community healthcare. Through our dedication to excellence and the expertise of our team, we aim to be a trusted partner in shaping a healthier and more prosperous future for all.

OUR VISION

Our vision is to be a leading innovator and catalyst for positive change, creating solutions that transform lives and shape a better future. With a commitment to excellence, creativity, and social impact, we strive to revolutionize Biomedical research & Pharmaceutical industry through cut-edge design, forward-thinking strategies, and meaningful collaborations.

BIOSAFETY CABINET CLASS II CYTOTOXIC

The Mehrotra Biotech make Cytotoxic Cabinet is a

- Specialized containment unit for hazardous drugs and cytotoxic agents
- Ensures high protection for both operator and product
- Utilizes advanced HEPA filtration and controlled airflow
- Provides a sterile and contamination-free work environment
- Designed for safe handling of high-risk substances
- Ideal for laboratories, pharmaceutical, and healthcare settings

Principle Of Working

The Mehrotra Biotech Cytotoxic cabinet is fitted with additional V-shaped HEPA filters located beneath the work surface. These filters purify the inflow air, ensuring that the internal structure of the cabinet remains free from contamination, thereby providing maximum safety for high-risk applications. The V-shaped HEPA filters can be safely replaced while the operator remains protected by the inflow air.



Triple HEPA Filtration System

- ISO Class 5 air quality
- 99.999% efficiency at 0.3µm
- Three-stage filtration: supply, downflow, exhaust

Safe Handling of Hazardous Drugs

- Ideal for cytotoxic/antineoplastic drug preparation
- Fully compliant with DIN 12980 & EN 12469

Negative Pressure Containment

- Prevents contamination leakage
- Full negative pressure with HEPA exhaust

Ergonomic User-Friendly Design

- Sloped front sash & armrests
- Low noise & minimal vibration

Intelligent Monitoring & Alarms

- Real-time airflow sensors
- Audio-visual alerts & filter life display

UV Sterilization System

- Built-in UV light for automated sterilization
- Timer-controlled with safety lockout

Optional Add-Ons

- Data logging, printer output
- Motorized sash, LED lighting, pass-through chambers

TECHNICAL SPECIFICATIONS

Model	CBSB1200-CYTO
External Dimension(LxWxH)	1359x800x2100 mm
Internal Dimension(LxWxH)	1240x580x660 mm
MoC (Internal)	Stainless Steel SS304
MoC (External)	Epoxy Coated Cold Rolled Steel Sheet with a layer of antimicrobial coating
Display	5" Full Color TFT Display with Touchscreen interface
Cleanliness Level	CLASS 10 in accordance with ISO CD 14644-1
Controller	5" TFT Touch Screen Controller with on-screen control buttons
Filter Downflow	ULPA Filter η 99.9997% @0.12 μ m as per EN1822
Filter Exhaust	Primary : ULPA Filter η 99.9997% @0.12 μ m as per EN1822 Secondary : HEPA H14 Filter η 99.999% @0.3 μ m as per EN1822
Max Opening	450mm
Noise	<68 dB \pm 5%
Sensor	MEMS Based Air Flow Sensor with accuracy of +/-0.01m/s
Alarms	Door open, Door Position, In adequate air flow, filter clogging.
Sterilization	30W 254nm UV Tube
Blower	3200rpm energy efficient triple DC ECM blowers
InFlow Velocity	0.51 m/s +/-0.05m/s
Downflow Velocity	0.35m/s +/- 0.05m/s
Humidity & Temperature	Displayed on touchscreen interface
Illumination	36W LED
Light Intensity(LUX)	>1200
Front Sash	8.75mm Double layered laminated & Toughened glass for UV protection with motorized sash operation
Workspace	AISI SS304 Stainless steel Fragmented easy to remove worktop.
Standard Service Port	2 Nos 6Amp Socket with IP56 liquid splash proof 1 Nos Gas nozzle with shutoff valve.
Sash Opening	8in (203.2mm) as per standard (Max upto 18inch/ 470mm)
Rated Voltage	220V -240V /50hz
Rated Power	340W
Standard Accessory	Powder Coated MS Base Stand with Castors
Optional Accessory	External exhaust for duct , USB/RS232/LAN Communication Port, Single Piece Worktop, Motorised Sash

OUR CLIENTS

Government Institutions

- Central Drug Research Institute, Lucknow.
- Central Institute of Medicinal and Aromatic Plants, Lucknow.
- Indian Veterinary Research Institute, Bareilly.
- Indian Institute of Toxicology Research, Lucknow.
- Institute of Nuclear Medicine and Allied Sciences, Delhi.
- HPCL, Bangalore.
- King George Medical University, Lucknow.
- Sanjay Gandhi Post Graduate Institute of Medical Sciences, Bareilly.
- Post Graduate Institute of Medical and Research, Chandigarh.
- All India Institute of Medical Sciences New Delhi
- AIIMS RISHIKESH
- NBRI Lucknow
- National Institute of Virology , Pune
- FIND Delhi
- Karnataka Medical Supplies Corporation.
- Regional Forensic Science Lab New Delhi
- Institute Of Food Security, Food Corporation Of India, Haryana
- AIIMS Raipur
- CSIR- Bharteeya Petroleum Sansthan, Dehradun
- AIIMS Bhubneshwar
- AIIMS Raebareli
- Gujrat Forensic Science University
- IIT Ropar
- IIT BHU
- IIT Kanpur
- Banaras Hindu University
- HPCL-Mittal Energy Limited
- Maharashtra Pollution Control Board
- Darbanga Medical College
- Many More.....

Private Institutions

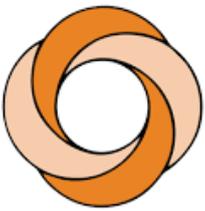
- Dr, Reddy's Laboratories Hyderabad.
- NATCO Pharma, Hyderabad.
- Syngene International Bangalore
- FDC India Mumbai
- Bharat Serum
- CADILA
- CIPLA
- Sysmax Laboratories Mumbai
- Reliance Life Science Mumbai
- LVPEI Hyderabad
- MSN Laboratories Hyderabad
- Larsen and Toubro Limited
- Siemens Healthcare
- Avaca Pharma
- Glochem Industries
- Pinnacle Lifescience
- Raghav Lifesciences Hyderabad
- Abro Pharma
- Sun Pharma
- Gland Pharma Hyderabad
- Macleods Pharma
- Pannacea
- Lupin Limited
- Meyer Organics
- Sucantis
- Many More.....



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