

ENGINEERING
IN FLOW



Building a new era of PCR WORKSTATIONS

BIOSAFETY CABINETS | LAMINAR FLOW
FUME HOODS | AIR SHOWERS | BSL II LABS
CLEAN ROOMS | COLD ROOMS



MADE IN INDIA FOR THE WORLD

www.airbio.in

Product Overview



AirBio GeneSafe PCR Workstation

A high-performance clean working enclosure engineered for contamination-free PCR setup and molecular biology applications. Designed in accordance with international laboratory standards, combining UV decontamination technology, ergonomic design, and HEPA-filtered airflow for reliable, reproducible PCR preparation.



UV Decontamination



HEPA Filtration 99.97%



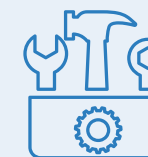
SS 304 Steel Chamber



Digital Control System



CE / ISO Certified



12 Month Warranty

Ideally suited for: Biotechnology · Microbiology · Molecular Diagnostics · Genomics · Academic Research

Key Features

01

UV Decontamination

254 nm germicidal UV lamp with automatic interlock system for safe, thorough surface decontamination.

02

HEPA-Filtered Laminar Flow

Vertical laminar airflow with 99.97% efficiency at 0.3 μm — creates a particle-free working zone.

03

SS304Stainless Steel Chamber

Corrosion-resistant, easy-clean interior surfaces designed for demanding molecular biology environments.

04

DigitalMicroprocessor Control

Intuitive digital controls for UV, blower, and illumination with real-time status monitoring.

05

UV-Resistant Safety Sash

Front sash with UV interlock protection and independent UV/illumination controls for operator safety.

06

Low-Noise Efficient Blower

Compact bench-top design with energy-efficient, low-vibration blower system (≤ 65 dB noise level).

Technical Specifications

Parameter Reference

Construction Material	Powder-coated CRCA Steel
Internal Chamber	SS 304 Stainless Steel
UV Lamp	254 nm Germicidal UV
UV Intensity	$\geq 40 \mu\text{W}/\text{cm}^2$
UV Safety	Automatic Interlock System
Airflow Type	Vertical Laminar Flow
HEPA Filter Efficiency	99.97% @ 0.3 μm

Air Velocity	0.3 – 0.5 m/s
Noise Level	$\leq 65 \text{ dB}$
Illumination	LED / Fluorescent
Control System	Digital / Microprocessor Based
Power Supply	220–240 V AC, 50 Hz
Safety Compliance	CE / ISO
Configuration	Bench-top Model

Applications

Where GeneSafe Excels

- 1 PCR Master Mix Preparation
- 2 DNA / RNA Sample Handling
- 3 Molecular Diagnostics
- 4 Genomics & Proteomics Workflows
- 5 RT-PCR & Nucleic Acid Amplification
- 6 Biotechnology & Life Science Research

Recommended For: Biotech Labs · Molecular Biology · Diagnostics · Universities · Pharma



Performance & Safety Advantages

Performance Advantages

Contamination-Free PCR Setup

Maintains a pristine environment to prevent aerosol and cross-contamination during PCR preparation.

Reduces False Positives

Minimizes risk of false-positive amplification results through HEPA filtration and UV decontamination.

Enhanced Reproducibility

Ensures consistent molecular workflows with stable laminar airflow and digital process control.

High-Sensitivity DNA/RNA Handling

Suitable for even the most sensitive nucleic acid applications requiring ultra-clean conditions.

Continuous Operation Design

Engineered for full-day laboratory use with low-noise, energy-efficient blower technology.

Safety Features



UV interlock protection



Separate UV and illumination controls



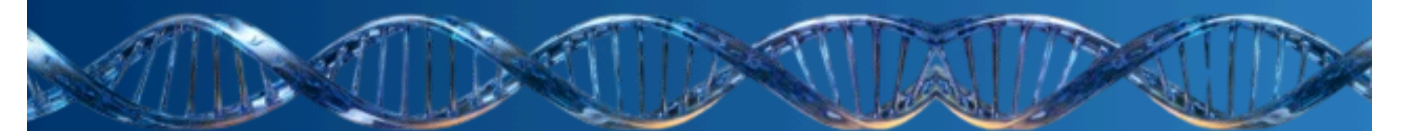
Smooth contamination-resistant interior



Electrical grounding & overload protection



Low-vibration, low-noise blower system



GeneSafe vs. Leading International Brands

Feature	GeneSafe	Leading International Brands
UV Decontamination	✓	✓
HEPA Filtration	✓	✓
SS 304 Chamber	✓	✓
Digital Control	✓	✓
Safety Interlock	✓	✓
Compact Design	✓	✓
Cost Efficiency	High Advantage	Premium Cost
Service Support in India	Easily Available	Limited / Costly

GeneSafe offers identical core functionality with a significant cost and service advantage for Indian laboratories.

CERTIFICATES & CREDENTIALS



ISO 9001:2015
ISO 13485:2016
EN 12469:2000



CE Certified



MSME Registered – Ministry of Micro,
Small & Medium Enterprises



Startup India Recognition



Registered with GeM



Import-Export Code



ENGINEERING
IN FLOW

THE AIRBIO ETHICS



Our Mission

To deliver innovative, reliable, and precision-engineered biosafety solutions that empower scientific progress and ensure the highest standards of safety and performance.

Our Vision

To be the global leader in biosafety technology, setting new benchmarks for safety, efficiency, and innovation while supporting advancements in science and healthcare.

Our Values



Innovation: Driving excellence through cutting-edge technology.



Safety: Ensuring uncompromising protection for people and processes.



Integrity: Building trust through transparency and reliability.



4. Sustainability: Creating eco-friendly solutions for a better future.



5. Collaboration: Partnering with clients to advance scientific discovery.

The AirBio Standard: The Benchmarks of Precision



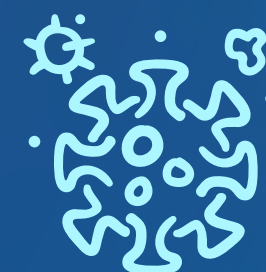
70%

ENERGY SAVINGS



< 63 dB

NOISE LEVEL



0.00%

PATHOGEN ESCAPE RATE



72-Hour

RESOLUTION



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THE INVISIBLE GUARDIAN

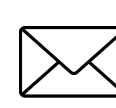
In the world's most dangerous labs, the only thing between a breakthrough and a catastrophe **is the air we engineer.**



CONNECT WITH US

#1 Choice of Top
Microbiologists



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