

Controlled Environment for Accurate PCR
Preparation

GENAXY®

PCR CABINETS

Ensure Safety

GENAXY
PCR Cabinets



CONTACT US

www.genaxy.com

GENAXY Range of PCR Cabinets

The GENAXY PCR Work Station series is specially designed to provide a clean, UV-decontaminated workspace for PCR reagent preparation and molecular biology workflows. These workstations minimize the risk of DNA contamination and false-positive results, ensuring high reliability in PCR applications.

Available in Mini, Midi, and Midi with HEPA Filter (HF) variants, the PCR Work Station range combines ergonomic design, efficient UV irradiation, and optional HEPA filtration for enhanced cleanliness.

Key Applications

- PCR sample preparation
- DNA / RNA amplification setup
- Molecular biology and genomics research
- Clinical diagnostics laboratories
- Forensic and biotech applications

Design & Operating principle

- **Cabinet:** Mild steel powder coated body with stainless steel working top
- **Front Access:** Smooth sliding acrylic door
- **Controls:** Convenient side-mounted switches
- **Electrical Utility:** Inside socket for running mini laboratory equipment (select models)
- **Mobility:** Lightweight and easily transferable design



General Features

Airflow & Filtration

Airflow Pattern: Vertical laminar flow

Pre-Filter Efficiency: 99% down to 5 microns

HEPA Filter Efficiency: 99.97% – 99.99% down to 0.3 microns

HEPA Protection: Mesh guard provided for filter safety

Cleanliness Level:: ISO 14644 Class 5 (Class 100)

Construction

Work Surface: Stainless steel (SS 304), easy to clean and disinfect

Cabinet Body: Mild steel powder coated / Optional complete SS 304

Front Door: UV-stabilized acrylic, counterbalanced

Side Panels: Smooth, non-contaminating interior finish

Electrical & Controls

Control Panel: Blower, UV lamp, and fluorescent LED light switches

Illumination: Fluorescent / LED light with diffuser

UV Lamp: Germicidal UV, 15W

Interlock: UV lamp cut-off when front sash is open (optional)

Blower System

Motor: 0.25 HP dynamically balanced motor

Speed: 1440 RPM

Mounting: Anti-vibration pads for quiet operation

Safety Features

Voltage Fluctuation protection, micro switches for UV & LED lights.

Mobility: Front wheels fitted with brakes for stability

Compliance & Quality

- High-quality components for long service life
- Engineered for safety, reliability, and ease of maintenance

Technical Features

Feature	GEN-PCR-MINI	GEN-PCR-MIDI	GEN-PCR-MIDI-HF
UV Tube	1 No.	1 No.	1 No.
Fluorescent Tube	1 No.	2 No.	2 No.
Working Area (mm)	250×120×120	650×450×300	600×500×450
HEPA Filter	NA	NA	2 Nos.
Pipette Holder	NA	NA	1 Nos.
Inside Socket	NA	Yes	Yes
Cabinet	MS + SS Top	MS + SS Top	MS + SS Top

Ordering Information:

Model No.	Description
GEN-PCR-MINI	PCR Work Station – Mini
GEN-PCR-MIDI	PCR Work Station – Midi
GEN-PCR-MIDI-HF	PCR Work Station – Midi with HEPA Filter

