



# Purair® Microscope Enclosures

Personnel and process safety is critical in the laboratory, particularly when performing microscopy procedures. Whether handling hazardous materials or performing precise procedures requiring contaminant-free environments, appropriate protection can help ensure personnel safety or protect process accuracy.

Air Science® offers a selection of Purair ductless products suitable for laboratory microscopy that can provide the protection your work demands. From affordable ductless fume hoods to laminar flow cabinets incorporating UV light for irradiation between processes, Air Science offers targeted solutions.

Learn more about our products below or [contact us](#) for information on addressing your specific needs.



## MICROSCOPY SAFETY AND ACCURACY USING FUME CABINETS

Microscopy procedures often include work with hazardous materials, such as vapor or particulate emissions. Some procedures demand a sterile environment for precise, accurate results. Regardless of the requirements of your laboratory, Air Science products provide the protection you need. Innovative [Multiplex™ Filtration Technology](#) incorporates carbon, HEPA or ULPA filtration and offers an array of customization options and high performance protection for a broad range of chemical families and biological agents for a sterile work zone.

Air Science units work with a range of microscopes, featuring a microscope sash that permits easy access to the eyepiece and viewing platform. Most units accommodate a 7" x 7" (170 mm x 170 mm) cutout. Other sizes are available.

- [Purair Basic Ductless Fume Hoods](#) are designed to protect the user and the environment from hazardous vapors generated on the work surface. With the addition of an optional HEPA/ULPA filter cartridge, the Purair Basic also captures particulates.
- [Purair LF Vertical Laminar Flow Cabinets](#) incorporate ULPA filtration to protect equipment and other contents of the work zone from particulates during applications sensitive to such contamination. An optional UV lamp provides irradiation between processing periods.
- [Purair FLOW Laminar Flow Cabinets](#) are engineered to protect the work surface, materials, and products from particulate contamination through HEPA filtration, resulting in a contaminant-free work zone.
- [Purair PCR Laminar Flow Cabinets](#) employ vertical laminar flow, HEPA filtration and a UV lamp to create the contaminant-free environment required for PCR applications.



## AIR SCIENCE DUCTLESS FUME CABINETS

Ductless fume hoods are a cost-effective method of protection that can be installed anywhere, as no ducting to the outside is required. Featuring HEPA filtration, they are engineered to provide containment for particulates such as asbestos fibers and are highly portable and easily moved to accommodate changing procedures and operations.

### Purair<sup>®</sup> BASIC

The **Purair Basic** series of ductless fume hoods is designed to provide high level protection for the user and the environment at an affordable price. Featuring Multiplex Filtration Technology, the Purair Basic creates a safe work environment over a wide range of applications. Choose from 12 standard and shallow depth models in metal or polypropylene construction, available in 24", 36" and 48" widths.

[LEARN MORE](#)

### Purair<sup>®</sup> LF Series

**Purair LF** vertical laminar flow cabinets are high efficiency units engineered to deliver a contaminant-free work zone by incorporating Air Science Multiplex Filtration Technology. The Purair LF is ideal for use with non-hazardous contaminants when flexible access to the equipment in the work zone is desired. Cabinets are available in 6 different widths and feature a powder-coated or stainless steel interior and an optional UV lamp.

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### Purair<sup>®</sup> FLOW

**Purair FLOW** series vertical laminar flow cabinets are designed to protect the work surface, your process and your products from particulate contamination. Cabinets use Multiplex Filtration Technology featuring HEPA filtration to sustain a contaminant-free environment. Vertical laminar flow cabinets are intended for non-hazardous applications where user protection from biologicals or biohazardous byproducts is not required. Purair FLOW cabinets are available in three model sizes, designed for desktop use or installation on an optional base stand or mobile cart.

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### Purair<sup>®</sup> PCR

The **Purair PCR** laminar flow cabinet employs Air Science Multiplex Filtration Technology, vertical laminar flow, HEPA filtration and an integrated UV lamp to deliver the contaminant-free environment required for PCR (polymerase chain reaction) amplification processes. This workstation is ideally suited for use with non-hazardous contaminants when flexible instrumentation access is desired. The Purair PCR laminar flow cabinet helps minimize cross-contamination during reagent and sample preparation and amplification. Purair PCR cabinets are available in three model sizes, designed for desktop use or installation on an optional base stand or mobile cart.

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