

Laminar Flow Devices

A laminar flow cabinet, also known as a clean bench, is a partially enclosed device designed to prevent particle contamination of biological samples or other sensitive media. These devices exist in many different types, configurations, airflow patterns and are built for a variety of uses. They are similar in appearance to Biological Safety Cabinets **but these afford no protection to personnel as air is drawn through a HEPA filter and blown in a very smooth, laminar flow towards the user.** Since users must sit directly in the exhaust from the clean bench this equipment must never be used for the handling of toxic, infectious or sensitizing materials, including toxic chemicals, cell culture materials (except plant cell cultures) or drug formulations. They are intended to protect the media being handled from particulate contamination and must be used only for the manipulation of non-hazardous materials.