



Personnel Training Requirements and Responsibilities

The Principal Investigator and/or designated laboratory supervisor is responsible for providing or arranging the appropriate training of personnel, according to standards set forth by *Biosafety in Microbiological and Biomedical Laboratories (BMBL) 5th Edition* and the *NIH Guidelines for Research Involving Recombinant or Synthetic Nucleic Acid Molecules*, Section IV-B-1-h.

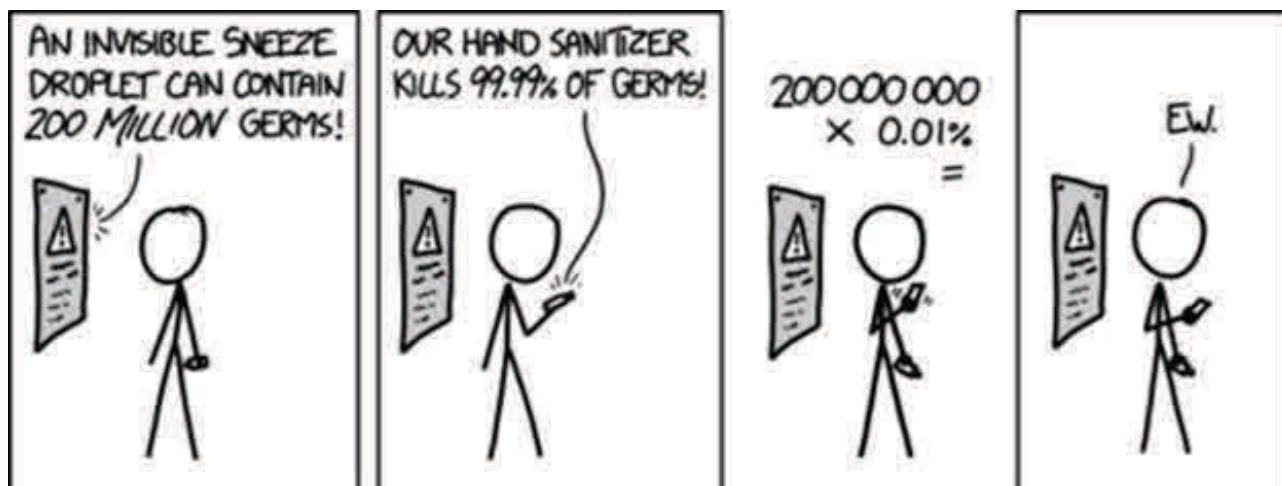
A laboratory supervisor should be designated by the Principal Investigator in laboratories where the PI is not actively involved in the daily operation of the research lab with many personnel. The PI may function as the laboratory supervisor in labs with limited personnel or in which the PI is actively engaged in the daily operation of the research lab.

The responsibilities of the laboratory supervisor include enforcement of the safety practices and procedures that have been determined to be appropriate for the lab and training of lab personnel. The laboratory supervisor must ensure that lab personnel receive appropriate training and updates as needed and are aware of the risks and risk mitigation strategies appropriate to the materials handled in the lab.

The University of Kentucky Department of Biological Safety is available to assist with providing a basic foundation in the fundamentals of safety but the PI or designee must serve as the lab and procedure specific mentor. Lab specific training must be provided for all personnel, including students or visiting scholars, who work within the laboratory. Please contact our department with any questions or for consultation on appropriate safety procedures or proper training.

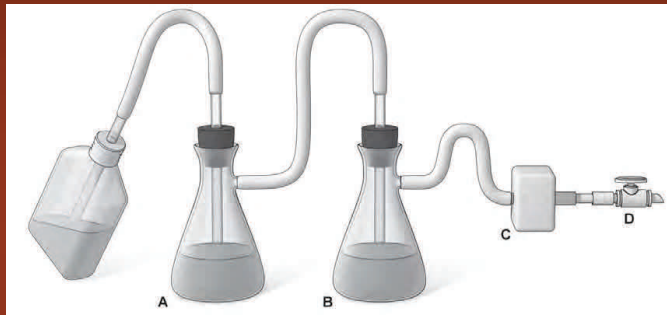
Laboratory Security Awareness

Universities are recognized as places that use a wide assortment of hazardous materials. Promoting awareness of unrecognized or unauthorized individuals in laboratory areas is paramount in providing a secure and safe environment for all. If you do not recognize a person in your lab, ask them if you can help them find something or someone/place specific. Authorized personnel should respond positively and are generally appreciative of the assistance. People who are not authorized to be in the area may be encouraged to leave by this. If you witness any suspicious activity, please notify your supervisor or call UK Police (911 from campus phone or 257-UKPD). In the Medical Center, notify MC Security at 323-6152.



Biosafety Reminder:

Vacuum line chemical traps and filters prevent suction of infectious and non-infectious materials into the vacuum lines. **For potentially infectious materials, add full strength chemical disinfectant to vacuum trap flasks. Allow the aspirated fluids to complete the dilution. (For example: Start with 100-ml household chlorine bleach, aspirate 900-ml fluids and discard.)** Trap flasks should be emptied when 2/3 full. Trap flasks not housed in BSCs should be placed in secondary containers and placed in a safe location to prevent spillage and breakage. Recommended flasks are either heavy glass flasks with plastic coating or plastic flasks. Vacuum line chemical traps and filters should be set-up as illustrated below. Contact the Department of Biological Safety for assistance in setting up a vacuum trap system.



The catch flask (A) should contain disinfectant. An overflow flask (B) should be connected to this flask. A filter, with both hydrophobic and HEPA components (C), should be in place between the trap flasks and the vacuum source (D).



What not to do: no disinfectant in trap; glass trap not in secondary container



University of Kentucky

Department of Biological Safety

As part of the Division of Environmental Health & Safety, the Department of Biological Safety is responsible for programs concerning the safe use of recombinant DNA, infectious agents, and potentially infectious materials such as human sourced materials in the research and teaching laboratories at the University of Kentucky. This includes training, auditing, and consulting with researchers, laboratory personnel and teaching staff concerning compliance with the federal and state laws and regulations in these areas.

505 Oldham Court
Lexington, Kentucky 40502

Brandy Nelson, Biological Safety Officer
859-257-1049

Holley Trucks, Asst. Biological Safety Officer
859-257-8655

Eric Rouse, Biological Safety Specialist
859-323-5728

Delena Mazzetti, Biological Safety Specialist
859-257-1073

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<http://ehs.uky.edu/biosafety/>