FUNDAMENTALS OF WORKING SAFELY IN A BIOLOGICAL SAFETY CABINET

AN ONLINE LEARNING COURSE

AVAILABLE ON WWW.CDC.TRAIN.ORG

Sponsored by the
Division of Laboratory Systems,
Center for Surveillance, Epidemiology and Laboratory Services,
Centers for Disease Control and Prevention

CENTERS FOR DISEASE CONTROL AND PREVENTION

DESCRIPTION

A biological safety cabinet (BSC) is the primary means of containment developed for working safely with infectious microorganisms. Class II BSCs, the most common cabinets used in laboratories, are designed to provide personnel protection (for you and those around you), product protection (for your samples), and environmental protection.

This basic-level eLearning course provides information on the safe use of Class II biological safety cabinets. Topics covered include major parts of a BSC, how a BSC works, how to work safely inside a BSC, and what to do if there is an emergency while working in a BSC. Videos, interactive exercises, job aids, and a modifiable checklist template are included in the course to enhance the learning experience.

AUDIENCE

This online course is designed for public health and clinical laboratory staff, safety professionals and persons interested in safe use of biological safety cabinets.

SPECIAL NEEDS

Course content is closed captioned, where applicable, and optimized for a screen reader.

FREE REGISTRATION

- Register online at www.cdc.gov/labtraining
- If you have difficulty with the online registration process, please email labtraining@cdc.gov

OBJECTIVES

At the conclusion of this course, the participant will be able to:

- Identify the major parts of a Class II BSC
- Discuss general facts about BSCs
- List the factors that affect BSC airflow
- Describe the preparation steps for work in a BSC
- Describe the practices for working safely in a BSC
- Describe the steps for completion of work in a BSC
- Describe the BSC procedures to follow in an emergency

CONTINUING EDUCATION

The Centers for Disease Control and Prevention Laboratory Training and Services Branch is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® Program. This course is approved for 1.0 contact hours. P.A.C.E.® course number: 288-007-17

For a complete list of courses, visit www.cdc.gov/labtraining.

FUNDAMENTALS OF CHEMICAL FUME HOOD SAFETY

AN ONLINE LEARNING COURSE
AVAILABLE AT WWW.CDC.TRAIN.ORG

Sponsored by the
Division of Laboratory Systems
Center for Surveillance, Epidemiology, and Laboratory Services
Centers for Disease Control and Prevention

CDC
CENTERS FOR DISEASE CONTROL AND PREVENTION

DESCRIPTION

A chemical fume hood is the main piece of laboratory equipment that protects laboratory staff working with hazardous chemicals. When properly used, fume hoods protect staff from inhaling chemical gases, vapors, and aerosols. They serve as a physical barrier between staff and the hazardous materials inside the hood, and provide some splash protection.

This basic-level eLearning course provides an essential understanding of the major components of a chemical fume hood and proper practices for its safe and effective operation. Topics covered include the major components and types of fume hoods and their monitors, maintaining proper airflow, daily use protocols and good fume hood work practices, and what to do if there is an emergency.

AUDIENCE

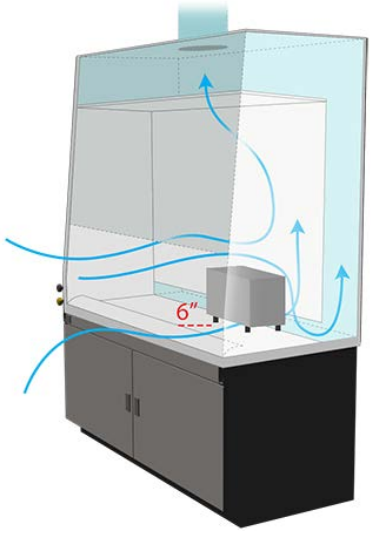
This online course is designed for public health and clinical laboratory staff, safety professionals, and persons interested in the safe use of chemical fume hoods as determined by your laboratory-specific risk assessment.

SPECIAL NEEDS

Course content is closed-captioned, where applicable, and optimized for a screen reader.

FREE REGISTRATION

- Locate the course online at www.cdc.gov/labtraining
- Follow the link to register for the course in TRAIN
- If you have difficulty with the online registration process, please email labtraining@cdc.gov.



OBJECTIVES

At the conclusion of this course, the participant will be able to:

- Identify general facts about fume hoods
- List factors that affect the proper fume hood airflow
- Describe startup procedures prior to working in a fume hood
- Describe proper practices for working in a fume hood
- Describe finish procedures for completion of work in a fume hood
- Describe the procedures to follow during an emergency

CONTINUING EDUCATION

The Centers for Disease Control and Prevention, Division of Laboratory Systems, is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® Program.

This course is approved for 1.0 contact hours. P.A.C.E.® course number: 288-005-18.

For a complete list of courses, visit www.cdc.gov/labtraining.

FUNDAMENTALS OF CENTRIFUGE SAFETY

AN ONLINE LEARNING COURSE

AVAILABLE ON WWW.CDC.TRAIN.ORG

Sponsored by the
Division of Laboratory Systems,
Center for Surveillance, Epidemiology and Laboratory Services,
Centers for Disease Control and Prevention

CDC
CENTERS FOR DISEASE CONTROL AND PREVENTION

DESCRIPTION

Centrifuges are instruments used to separate mixtures, based on particle size and density, by spinning the mixtures at high speeds. These instruments are essential tools in all types of laboratories. Serious injuries or potential exposures can occur if centrifuges are improperly used or maintained.

This basic-level eLearning course provides information on the safe use of centrifuges. Topics covered include major parts of a centrifuge, types of centrifuges, potential hazards, how to work safely with a centrifuge, and what to do if there is an emergency.

AUDIENCE

This online course is designed for public health and clinical laboratory staff, safety professionals and persons interested in safe use of centrifuges.

SPECIAL NEEDS

Course content is closed captioned, where applicable, and optimized for a screen reader.

FREE REGISTRATION

- Locate the course online at www.cdc.gov/labtraining
- Follow the link to register for the course in TRAIN
- If you have difficulty with the online registration process, please email labtraining@cdc.gov

OBJECTIVES

At the conclusion of this course, the participant will be able to:

- Identify common types of centrifuges used in laboratories
- Describe the potential hazards associated with centrifuge use
- Identify control measures to minimize exposure to centrifuge hazards
- Identify safe work practices for centrifuge use
- Describe what to do in the event of an emergency

CONTINUING EDUCATION

The Centers for Disease Control and Prevention Division of Laboratory Systems is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® Program. This course is approved for 0.5 contact hours. P.A.C.E.® course number: 288-004-18

For a complete list of courses, visit www.cdc.gov/labtraining.