

# **BSL2 Lab Survey**

## **Standard Microbiological Procedures**

- Access to the laboratory is limited or restricted at the discretion of the laboratory director and lab doors are closed while experiments are in progress?
- Personnel are instructed to wash their hands after handling infectious materials, after removing gloves, and before leaving the laboratory?
- Eating, drinking, smoking, handling contact lenses, and applying cosmetics are not permitted in the work area?
- Food is stored outside the work area in cabinets or refrigerators designated for this purpose only and places where food is consumed are designated as “clean areas”?
- Mechanical pipetting devices are used; mouth pipetting is prohibited?
- All procedures are performed carefully to minimize the creation of splashes or aerosols?
- Work surfaces are decontaminated routinely with disinfectants effective against the biohazardous agent(s) utilized?
- Biohazardous waste is decontaminated on-site before disposal?
- Biohazardous waste is decontaminated off-site?

## **Special Practices**

- A biohazard sign is posted on the entrance to the laboratory where biohazardous materials are used?
- A biohazard symbol is posted on all equipment i.e., refrigerator, centrifuge, incubators, etc. that store and/or are used in the manipulation of biohazardous agents?
- Special entry requirements i.e., vaccination, respiratory protection, other personal protective equipment, etc. are necessary to work in the laboratory?
- Biosafety practices and lab specific standard operating procedures are incorporated into a Laboratory Manual which is upgraded on an annual basis?
- Personnel working in the laboratory receive updates and training as necessary for procedural or policy change?

- Personnel are trained so they understand the biology of the organism(s) used in the experiments so that the potential hazards can be understood and appreciated and have attended biosafety training?
- All persons working with human blood, body fluids, or tissues receive the OSHA Bloodborne Pathogens training and have been offered the hepatitis B vaccination series?
- The PI reports all laboratory related incidents resulting in personal injury or exposure via the university's occurrence report?
- Needles and syringes or other sharp objects are restricted in the laboratory and used only when there is no alternative? Only safety sharps are used?
- Contaminated equipment is decontaminated before being sent for repair or maintenance?
- A biological spill emergency plan for BSL-2 containment is posted in the laboratory and a plan for emergencies has been developed and is available to all lab employees?
- Emergency phone numbers are posted in the lab?
- Biohazardous agents are used in animals?

### **Safety Equipment**

- Protective equipment for physical containment of biohazards such as biosafety cabinet and sealed rotor cups to contain aerosols during centrifugation are available and used when appropriate?
- Personal protective equipment such as non-powdered latex gloves, protective clothing, and eye protection are available?
- Personal protective equipment is removed and retained in the laboratory before leaving for non-laboratory areas?
- Biological safety cabinet(s) is (are) available for the containment of biohazardous agents and are verified annually?
- No open flames are used in the BSC?

### **Laboratory Facilities**

- Security has been considered and implemented for facilities that house restricted agents (those agents determined by the US DHHS as bioterrorism select agents)?

- Each laboratory contains a sink for hand washing with soap and paper towels?
- Bench tops are impervious to water and resistant to chemicals used to decontaminate the work surfaces and equipment?
- Laboratory furniture is sturdy, appropriate for the tasks performed, and accessible for cleaning?
- Spaces between benches, cabinets, and equipment are accessible for cleaning?
- All chairs are covered with non-fabric material that can be easily decontaminated?
- An eyewash station is readily available and is activated weekly?
- Illumination is adequate for all activities, avoiding reflections and glare that could impede vision?
- Windows that open to the exterior are fitted with fly screens?
- The laboratory is designed to be easily cleaned i.e., no carpets or rugs are used in the laboratory?
- Vacuum lines are in use with an in-line HEPA filter and/or disinfectant trap is available which maintained and replaced as needed?

### **Housekeeping**

- Waste material is not allowed to accumulate on the floors, in corners, or under shelves and tables?
- Work surfaces are decontaminated once a day and after any spill of viable material?
- Approved disinfectant is ready and available for use at all times?
- Containers with biohazard warning signs are available to dispose of infectious materials?
- Sharps including needles, razors, scalpels, contaminated broken glass and pasteur pipettes are disposed of in a secure sharps container?
- Materials to be decontaminated away from the lab are packaged in durable leak-proof containers which are closed before removal from the lab?
- The lab is kept neat and clean?