

NEW USER TRAINING**LAB SAFETY OVERVIEW**

PROCEDURE

1.0 Personal Protection

- 1.1. Always take universal precautions when working with biohazardous material. Gloves and lab coat are required, and glasses and N-95 respirator are recommended PPE. Wash hands regularly.
- 1.2. Food and drink are not allowed in the lab, nor may they be stored in any lab refrigerators or freezers. Do not apply makeup, lip balm, place or remove contacts in the lab.

2.0 Waste Disposal

- 2.1. Gloves, tubes, pipettes, wipes, or any other materials in contact with biohazardous specimens must be discarded in red bag biohazard trash. Do NOT throw bio-waste in regular trash.
- 2.2. To dispose of liquid biohazardous waste, ensure the solution is 10% bleach, allow it to sit 30 minutes, and pour waste down the drain with water running.

3.0 Biohazard or Chemical Exposure

- 3.1. Hazardous chemicals, such as TRIzol, must be handled in a BSL-2 hood. Avoid splashing and spills, and ensure that all specimens are labeled and transported in containers that do not leak.
- 3.2. In the event of a small spill, inform Flow Core staff, clean the spill, disinfect the area with bleach for 30 minutes, wipe the area, and dispose of gloves and towels in biohazard trash.
- 3.3. In the event of a large spill, inform Flow Core staff, and call EH&S at 713-563-5000.
- 3.4. An eyewash station is located at the sink in the main room of the Flow Core and in room 2SCRB4.2126, and an emergency shower is located outside the main lab in room 2SCRB4.2213.

4.0 Flow Cytometry Hazards

- 4.1. Flow cytometers contain class 3B lasers. Do not look directly at an exposed laser.
- 4.2. Cell sorting can generate aerosols. Always inform Flow Core staff if you are sorting infectious materials such as viruses or recombinant/synthetic DNA.

5.0 Fire

- 5.1. In the event of a fire call 911 and RACE (Rescue, Alarm, Confine, Extinguish or Evacuate).
- 5.2. A fire extinguisher is located outside the main lab in 2SCRB4.2213. A fire alarm pull is located at the stairs at 2SCRB4.1015. There is a gas shut off button at the lab entrance.

RELATED PROCEDURES

This handout is related to ACSF SOP TR001. Please see the full SOP for further information.