

WORKING IN A LAMINAR FLOW HOOD, ANIMAL TRANSFER STATION, OR BIOLOGICAL SAFETY CABINET

1. PURPOSE

This Standard Operating Procedure (SOP) describes the procedures for working with SPF animals within a laminar flow hood, animal transfer station, or Biological Safety Cabinet (BSC).

2. RESPONSIBILITY

Principal investigator (PI) and their research staff, animal care staff, veterinarians, veterinary care staff.

3. MATERIALS

- 3.1. Laminar flow hood, Animal Transfer Station, or Class II Biological Safety Cabinet
- 3.2. Personal protective equipment (consult personal protective equipment requirements posted on room doors)
- 3.3. Disinfectant
- 3.4. Sterile supplies and equipment required for intended procedures

4. PROCEDURES

- 4.1. Don required personal protective equipment (PPE).
- 4.2. Make sure that the laminar flow hood, animal transfer station, or BSC is turned on and operational.
- 4.3. Disinfect the laminar flow hood, animal transfer station, or BSC by spraying down all surfaces with the disinfectant.
- 4.4. Spray the entire surface of any equipment or supplies to be used under the hood with the disinfectant.
- 4.5. Do not block vents with equipment or supplies.
- 4.6. Gloved hands should be kept moist with disinfectant while working within the hood or BSC.
- 4.7. Working with rodent cages:
 - 4.7.1. Bring cage into laminar flow hood, animal transfer station, or BSC.
 - 4.7.2. Remove filter top and set aside.
 - 4.7.3. Spray hands with disinfectant before handling anything within the cage (wire-bar lid, animals, water bottle, etc.).
 - 4.7.4. Lift wire-bar lid and place in the inverted filter top or rotate it 90° to rest it atop the cage.
 - 4.7.5. Spray hands with disinfectant after touching cage lids/sides, cage cards, pens, etc. or any surfaces or items outside the laminar flow hood, animal transfer station or BSC.
 - 4.7.6. After completing work with animals, replace wire-bar lid and filter top.
- 4.8. After all work has been completed, spray all hood, animal transfer station, or BSC surfaces with the disinfectant. Metal surfaces may be rinsed with water or alcohol to prevent corrosion.

SOP REVISION HISTORY

DATE	NEW VERSION
2016.03.18	4.7.5. Spray hands with disinfectant after touching cage lids/sides, cage cards, pens, etc. or any surfaces or items outside the laminar flow hood, animal transfer station or BSC.
2023.08.14	2. RESPONSIBILITY Principal investigator (PI) and their research staff, animal care staff, veterinarians , veterinary care staff.
2023.08.14	4.7. Working with animals rodent cages: 4.7.1. Bring cage into laminar flow hood, animal transfer station, or BSC. 4.7.2. Remove filter top, invert and set aside.