

## **Considerations for ABSL-2 Enhanced Practices for Rodents with Respiratory Pathogens**

The following are exceptions or divergent practices from those outlined elsewhere in Animals.  
Administered.a.Hazardous.Substance.Requiring.Containment

### **Animal Movement, Census, and Signage**

1. At investigator request, ULAM will transfer animals into the appropriate housing space after review and approval of [https://umichumhs.qualtrics.com/jfe/form/SV\\_etD856O1HASRAcS](https://umichumhs.qualtrics.com/jfe/form/SV_etD856O1HASRAcS).

NOTE: If a cage change is needed to accommodate static housing, this will occur prior to movement inside of containment.

2. Once infected, do not remove live animals from the space. If needed, contact the Biosafety Officer to discuss.
3. ULAM will also place appropriate Containment Room Entry Sign and stock the room with appropriate disinfectant and PPE for the agent based on EHS recommendations.
4. Track census using the provided paper form.

NOTE: This form is also used to ABSL3. For enhanced ABSL2, only fill in the following columns – Barcode, start date, end date, PI and Protocol.

5. Electronically transfer copy of census sheet to the barcode team via the DropBox once per week.

### **Training Requirements and Access Limitations**

1. In addition to a standard training for ABSL-2, users must complete a facility tour with the Facility Director.
2. Access is limited – only a subset of ULAM personnel have access including husbandry managers, husbandry supervisors, and a subset of the veterinarians.
3. No outside materials or electronic devices (cell phones) are allowed in the containment space without the permission of the Facility Director and Biological Safety Officer.

### **Required PPE and Donning and Doffing**

1. Refer to door signage for PPE requirements. Additional PPE in ABSL-2 enhanced spaces include:
  - a. N-95 (ULAM) or PAPR (no safety glasses required with PAPR)
  - b. Double Gloves
2. All PPE is donned prior to entering the containment space.
3. Prior to exiting the containment space, the outermost gloves are disposed of and a pair of fresh clean gloves are donned.
4. Removal of PPE occurs outside of the containment space in the anteroom.
5. Remove gown, outer gloves and shoe covers first.
6. Using the inner pair of gloves, remove eyewear and disinfect.
7. Remove and dispose of N-95. For PAPRS and re-usable respirators, disinfect after removal.
8. Remove and discard inner gloves.

9. Wash hands in the sink provided in the anteroom.

#### Procedures for Opening or Changing a Cage

1. Additional rodent chow will be provided in a container in the BSC to minimize disruption of the air curtain during cage change procedures. The food container will remain in the BSC.

NOTE: Keep all dirty cage components (bedding, food, and water) inside the original cage. Do not dump into a separate container for processing.

2. Prior to work, place a blue pad on the BSC surface and spray with disinfectant. Place cages on this work area.
3. Work wet at all times utilizing the provided disinfectant and dip boxes.
4. Spray cage and spray/dip hands prior to removing a cage from the BSC.

NOTE: All items removed from the BSC (carcasses, supplies, extra water) should be sprayed down with disinfectant prior to removal while the BSC is still on.

5. At conclusion of work in the BSC, spray down the mostly empty BSC with disinfectant and wipe all surfaces with provided extendable cleaning tool. Dispose of the blue pad in the biohazard trash.

NOTE – All cages removed from the BSC must be covered with a lid. At no time should there be an open cage outside of the BSC.

6. Autoclave all biological waste and dirty cage components in the facility dedicated autoclave outside the anteroom. This includes dirty cages from animals still indicated as naïve.

For Research Involved SARS-Cov-2, please see EHS Guidance Document.