

## **Standard operating procedure:** Entering and Exiting Room 1331

**Date Created:** 10/6/2023     **Date Revised:** 11/7/24

Developed by Tuggle Lab at ISU Dept AN SCI

**Purpose:** This procedure describes the protocols for entering and exiting the Surgical Bubble biocontainment room (Room 1331) containing the shower at the Vet Med Facility at ISU Campus for general care and maintenance of SCID/SCID Carrier litters.

### **Procedure:**

#### **SOP Entering 1331**

1. All personnel entering the room to work with pigs must have at least 3 nights downtime (72 hrs) from non-ISU pigs.
2. Leave shoes outside door leading to shower
3. Enter designated changing area Room 1331 door A.
4. Remove all clothing including undergarments and leave on designated shelf. Remove all jewelry and watches.
5. Proceed to shower taking care to wash body and hair thoroughly.
  - i. Nail brush is provided to clean under finger nails.
  - ii. Clean glasses if needed for use in bubble.
6. Towels are on shelf outside of shower.
  - i. Towels can be placed in the bin by the shower after use.
7. Put on provided clean scrubs.
  - i. Those working in the bubble can bring in labeled designated undergarments for use solely in 1331. If this is desired, also bring in labeled garment bag to wash with 1331 laundry, otherwise there will not be undergarments provided when working inside the bubble.
8. Sit in chair, then put on socks, booties and sandals/crocs without touching the floor
  1. *Take care to tuck bottoms of pants into socks, so it is easier to put Tyvek on in the bubble*
9. Go to station that has long cuffed gloves and put on appropriate size
  - i. *These are to be worn throughout your work*
10. Spray long cuffed gloves with hydrogen peroxide disinfectant
11. Put on regular cuffed over the long-cuffed gloves
12. Spray gloves with hydrogen peroxide disinfectant
13. When entering the PPE section of the bubble
  1. Step out of sandals/crocs and remove booties one at a time while stepping into section
    - a. *Sandals/crocs stay out of the PPE section completely*
    - b. *Booties should not touch the floor of section*
  - ii. Remove outer layer of gloves

- b. Place used booties and outer layer of gloves in trash receptacle located in this section
  - c. Spray gloves with disinfectant
  - d. Don a surgical mask and hair net.
14. Spray inner pair of gloves with hydrogen peroxide disinfectant.
15. Don a Tyvek suit on top of clean scrubs.
- a. *The outer garment must cover all parts of the scrubs. One type of Tyvek has a loop on the cuff- this is to be slipped over the thumb or a finger to keep the sleeve from riding up your arm and exposing your skin to the room.*
16. Spray inner pair of gloves with hydrogen peroxide disinfectant
17. Don an outer pair of regular cuffed gloves
18. Spray again with hydrogen peroxide disinfectant
- \*\*\* BE SURE TO SPRAY DOWN GLASSES WITH HYDROGEN PEROXIDE BEFORE ENTERING BUBBLE AREA\*\*\*
19. Enter the main section of the Bubble room
- Enter by stepping into boots located by doorway to main bubble section
    - *Do not step onto main section floor with socked foot.*

### **Exiting Room 1331**

1. Exit main bubble section
  - Clean any debris from boots using scrub brush and hose.
    - *To clean bottom of boots: pull feet partly out of boots, and step onto "ankle" of boot; this also helps take boots off in future step.*
2. Remove boots inside main bubble section without touching the floor in socks
3. Step into middle room section with only socks on
4. Step into sandals/crocs
5. Return previous crocs to outside shower space
6. Exit to shower section
  - Take all PPE off and put into labeled trashcan before going into shower section
7. Exit through shower section
  - Remove scrubs and socks to put into laundry bin
  - Can shower through if desired
  - Towels must remain on the clean side where scrubs are located
  - Exit through shower to where street clothes are located
  - Put on street clothes
  - Exit to hallway

## **Supplies into Bubble**

1. All supplies that can be autoclaved will be wrapped in foil or autoclave drape and autoclaved prior to entry into area and sprayed with rescue and sat inside room under the shower partition by the sink of the room to be resprayed before entering into main bubble section
2. Packaged supplies (needles, syringes, etc.) will be brought into room in their original packaging and sprayed with Rescue just before entry.
3. Halo will be done with most of supplies brought in before animals in the room.
4. The main entry door will only be used to place piglets in and out, not for personnel entry