

ENTRY PROTOCOL AND PPE REQUIREMENTS FOR ROOM 1117 BPS (& 1117A).

Entry to room 1117 BPS is by authorized card access only. Use your Spartan ID card and your 4 digit PIN on the keypad located to the left of the door to access room 1117 BPS (follow the instructions for arming and disarming the door). Once you enter the room you will notice the floor is sectioned off with yellow and black tape. This separates the “dirty” area and the “clean” area. There are hooks on the wall behind the door for you to hang personal belongings.

PPE IS NOT REQUIRED IN THE “DIRTY” AREA BUT MUST BE WORN AT ALL TIMES IN THE “CLEAN” IVIS IMAGING AREA AND IN THE ADJOINING ANIMAL ROOM. PPE IS NOT REQUIRED WHEN USING THE DATA ANALYSIS COMPUTER (LOCATED TO THE LEFT OF THE DOOR IN THE “DIRTY” AREA) , HOWEVER IF YOU USE THIS COMPUTER WHILE SOMEONE ELSE IS IMAGING YOU MUST WEAR A HEAD COVER, FACE MASK AND GOWN (THE GOWN CAN BE RE-USED AND HUNG BACK ON THE HOOKS ON THE WALL).

The following Personal Protective Equipment (PPE) is required in room 1117 BPS & the adjoining animal room 1117A.

1. Shoe covers
2. Head cover
3. Face mask
4. Disposable gown
5. Gloves

Shoe covers are in the tub on the half cabinet located beyond the yellow and black taped line. All other items are located in the half cabinet.

THE PROTOCOL FOR ENTRY INTO ROOM 1117 BPS (& 1117A) IS AS FOLLOWS:

1. Take a pair of shoe covers located in the tub on the half cabinet located on the “clean” side of the room.
2. Balancing carefully place one shoe cover on either your right or left foot.
3. Place the covered foot over the yellow and black tape and place it down on the “clean” side of the room. **DO NOT TOUCH YOUR COVERED FOOT DOWN ON THE “DIRTY” SIDE. IF YOU DO, GET A NEW SHOE COVER.**
4. Place the second shoe cover on your other foot and step into the clean side of the room.
5. All required PPE is located in the half cabinet.
6. First take a head cover from the box located in the cabinet and place it on your head, making sure all your hair is completely covered (and tucked in).
7. Take a face mask and place it over your nose and mouth. Please note the face mask has a metal strip you can shape over your nose and cheeks. While holding the metal strip over your nose pull the lower part of the face mask under your chin.
8. Take a disposable gown and put it on, closing the snaps in the front.
9. Take a pair of gloves and put them on.

If you are planning on imaging animals, you should initialize the IVIS before handling your animals as it will take several minutes for the CCD camera to cool to its required setting. Once it is initialized you should clean out the imaging chamber as well as the induction chamber of the XGI-8 anesthesia machine. Weigh the F-Air canisters and record their weights on the log sheets.

Once in full PPE you can move back and forth between the IVIS Spectrum and the animal room without having to change PPE. **Be careful not to step over the yellow and black line.**

Once in the animal room:

10. Turn on the laminar flow hood.
11. Make a 1% bleach solution (see notes below). In the hood open the tub containing the autoclaved Wypall cloths and place a couple of them in the bleach. The cloths are in the half cabinet in the animal room (1117A).
12. Take a third Wypall cloth and use it to clean down the hood using Spor Klenz (spray bottle located on the cart beside the hood).
13. Before touching the cages dip your hands in the 1% bleach and wipe off the excess using the cloths.
14. It is very important that you dip your hands in the bleach solution (wipe off any excess) **between** cages or if you touch the outside of the cage (only the inside is sterile/clean) before handling the mice or touching anything on the inside of the cage.
15. Clean up the hood once you are done. Remove all items. Clean the interior of the hood with a cloth dampened with 70% ethanol.
16. Empty the bleach solution in the sink and dispose of the cloths in the trash.
17. Remove all trash from the room.
18. When you are done in the IVIS imaging facility you must remove all of the personal protective clothing and place them in the bin located in the “dirty” area of room 1117.
19. If you must leave and return to the IVIS imaging facility (e.g. bathroom or you forgot something) before your imaging session is over, you may remove your head cover, face mask and gown and hang them on the white hook beside the dry-erase board. Shoe covers **MUST BE** removed and discarded. Upon re-entering the room, put on new shoe covers as before and re-use your head cover, face mask and gown.
20. **DO NOT USE GLOVED HANDS TO OPEN THE DOOR.** Hands should be washed before you leave the room.
21. **You must ARM the door to the IVIS imaging Facility if you are the last person to leave the facility.**

PLEASE NOTE, DEPENDING ON THE TYPE OF RESEARCH STUDY BEING DONE CARRIED OUT EHS/ORCBS AND ULAR MAY DEFINE A MORE STRINGENT PROTOCOL FOR HANDLING CAGES AND CLEANING UP THE HOOD.

NOTE: 1% BLEACH SOLUTION.

For information about Bleach as a disinfectant please see the following links:

http://www.cdc.gov/hicpac/pdf/guidelines/Disinfection_Nov_2008.pdf

<http://www.cfsph.iastate.edu/BRM/resources/Disinfectants/Disinfection101.pdf>

Household bleach contains 5.25%-6.15% sodium chlorite or 52,500-61,500ppm available chlorine. The amount of chlorine available in the solution determines the biocidal activity of the solution. Low concentrations, 2 to 500ppm are active against vegetative bacteria, fungi and most viruses. Concentrations >500ppm are corrosive to metal.

The 1% Bleach solution should be prepared fresh daily as follows:

For a 2 liter volume measure

1. Pour 20ml of household bleach in to the orange capped 50ml tube.
2. Pour the 20ml of bleach into the 2 liter orange capped bottle.
3. Fill to the 2000ml line with warm water.
4. Pour the bleach solution into the tub and add the 2 Wypall clothes.