PPE What is It and Why Do I Have to Wear IT





PPE What is It and Why Do I Have to Wear IT



NO Amount of Safety Equipment **Can** Overwhelm the *Human Capacity* for -Nicholas Wade-



What purpose does it serve?

- 1. Protect the Bio-Security of the Facility
- 2. Protect the Animals
- 3. Protect the Wearer





What purpose does it serve?

Personal protective clothing, by its nature, assists in protecting the animal population as well as the staff.

Most of the personal protective clothing is, or can be, disposable.



When standard operating procedures are followed, and individuals exercise reasonable caution by maintaining good work habits, especially hand washing, most transmissible health problems are kept to a minimum.



What purpose does it serve?

If you will be wearing an N95 respirator, remember that you must be enrolled in the EHS respiratory protection program.

Information is available on the Environmental Health and Safety website. http://ehs.uky.edu/classes/

Always be sure that you receive the proper training prior to using any specialized personal protective equipment.



What purpose does it serve?

There is NO substitute for responsible performance and adherence to personal protective apparel.





Protecting the Bio-Security of the Facility

Contaminants come in many forms.

They can be brought in from outside sources and can jeopardize the bio-security of an animal facility.





Protecting the Bio-Security of the Facility What Does This Mean

Protecting the Bio-Security of the facility starts with good husbandry practices and following room entry order

Not taking short cuts when it comes to changing PPE including gloves and shoe covers from room to room





Protecting the Bio-Security of the Facility What Does This Mean

Paying attention to signs and following Standard Operating Procedures

Using good micro-isolator technique





Protecting the Bio-Security of the Facility

How Does It Happen

Entering a non-barrier room **BEFORE** you enter an immune-compromised or barrier room

Entering an ABSL-2 room **BEFORE** going into a regular housing room

NOT CHANGING PPE or scrubs after going into a room that has been quarantined or has a suspected pathogen (pinworms, fur mites, MHV) and then entering a barrier or non-quarantine room



Protecting the Bio-Security of the Facility
How Does It Happen

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Resources Animal Resources

Required PPE for Entering Animal Rooms

Surgical Mask (protects the animals not the people)

N95 respirator (protects the people)

Head Cover

Shoe Covers Gloves

Tyvek Sleeves

Disposable Gown and/or dedicated scrubs A lot depends on where and what you are working with.

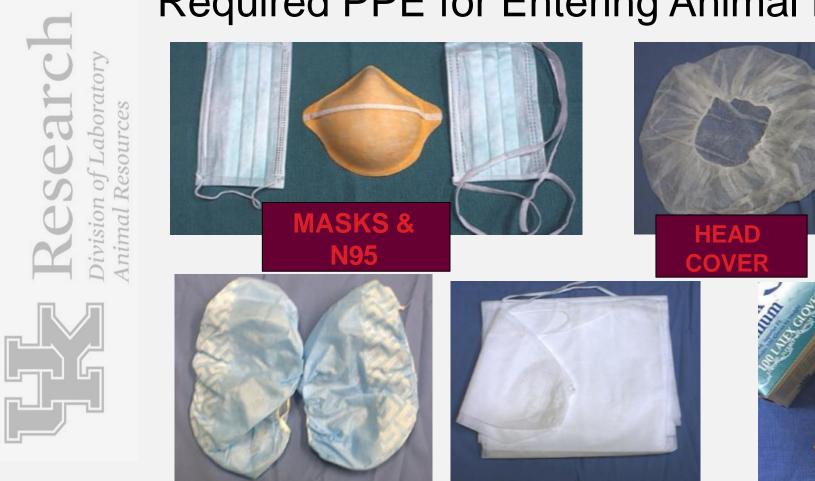


Required PPE for Room entry is posted on the Door of ALL Animal Rooms



Required PPE for Entering Animal Rooms

DISPOSABLE









Required PPE for Entering Animal Rooms

Disposable Face Shield

Must be worn when working in conditions:

- □ With Non-Human Primates
- ☐ Where splashes to the face are possible
- Must also wear safety or prescription glasses or chemical goggles in addition to the face shield.







Required PPE for Entering Animal Rooms

Hearing Protection

Must be worn when working in conditions:

- Noise Levels Greater than 85dBA
- ☐ With loud or Continuous noises (Pigs, Dogs, Cage Wash Area)









Required PPE for Entering Animal Rooms
Putting on PPE

General Rule of Thumb is to Start at the Top and Work Your Way Down





Required PPE for Entering Animal Rooms

Donning "Putting on" PPE



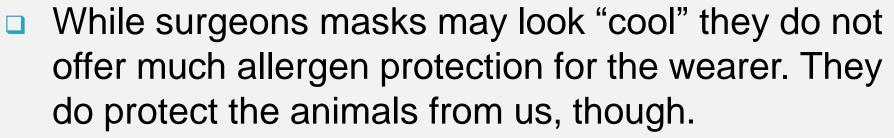
First Head Cover, (be sure all of your hair is tucked into your bonnet)

Second Disposable Gown



Required PPE for Entering Animal Rooms Donning "Putting on" PPE

Third mask and/or face shield



The more efficient mask to wear is the N95. It may not look as "cool", but it will help keep allergens at bay. If you are using an N95, you MUST be enrolled in the respiratory protection program and befit tested by Environmental Health and Services









Required PPE for Entering Animal Rooms Donning "Putting on" PPE



Fourth Tyvek sleeves (if you are wearing them)





Be sure that you have pulled the cuffs of your gloves up over the edges of your sleeves







Required PPE for Entering Animal Rooms

Donning "Putting on" PPE

last, Shoe Covers

NOTE: May want to spray the bottoms of the shoe covers before you put them on with a disinfecting solution such as MB 10

Wearing double shoe covers, spray the soles of both pair.









Required PPE for Entering Animal Rooms

Donning "Putting on" PPE

Shoe Covers Continued



Worn to protect the bottoms of your shoes from debris when working with pigs and dogs.

Also wear when working in the rodent quarantine area(s)

REMEMBER TO REMOVE THEM WHEN YOU LEAVE THE ROOM



Required PPE for Entering Rodent Barrier Rooms

*If you have facial hair, a PAPR should replace the N95. N95 masks require a close fit and will not provide adequate respiratory protection if you have facial hair.

N95 mask (surgical mask may be worn if you are not enrolled in EHS respiratory protection program)



Close-toed

Shoes or boots

and shoe

covers

Bouffant cap

Disposable gown securely tied at the neck, closed in back, tied in the front or side, not hanging open or off the shoulder.



Hood Style

Tyvek
Protective
sleeves

Helmet Style



Latex or Nitrile Gloves



Exiting Animal Rooms

Doffing "Taking Off" PPE

There are two ways to leave an animal room as far as PPE is concerned.

- Some rooms only require shoe covers and gloves be changed
- All PPE is changed between them (quarantine or barrier rooms)

Always check the entry requirements or find out from a supervisor or DLAR Veterinarian.



Exiting Animal Rooms Doffing "Taking Off" PPE



Just as there is an order for dressing to go into a room, there is an order to remove the PPE when exiting.

Remove your gown by turning it inside out to reduce the possibility of contamination.

If you have sleeves in most cases, come off with the gown.





Exiting Animal Rooms

Doffing "Taking Off" PPE

With Gloves On, remove the shoe covers, again turning them inside out to help control contamination





Exiting Animal Rooms Doffing "Taking Off" PPE



NOW the Gloves, again inside out



Followed by the Mask & Head cover





Exiting Quarantine or Barrier Rooms Doffing "Taking Off" PPE

The order is slightly different.

- Gown comes off first.
- □ THE GLOVES COME OFF (This is where double gloving can be indicated)
- Next you will remove your face mask and head cover
- Then you will deal with your shoe covers



Exiting Quarantine or Barrier Rooms Doffing "Taking Off" PPE If you are wearing double shoe

If you are wearing double shoe covers, remove the first pair inside the room at the threshold of the door.

Then as you exit, remove the shoe cover from one foot, step over the threshold into the hall and discard the shoe cover into the room trash receptacle.



Note: Foot with the shoe
Cover on is
STILL INSIDE
the room





Exiting Quarantine or Barrier Rooms Doffing "Taking Off" PPE



Step into the hallway, remove the other shoe cover.

Discard it into the room trash.

Ensure the trash can is accessible from your position at the door (so you do not have to step into or reenter the room to throw it away.)







Wearing PPE is REQUIRED, it is NOT an OPTION

Requirements for PPE may change over time, or if the health status of the animal housing area changes.

Instructions will be posted on the housing room if this happens. Please be aware that entry orders may be in effect as well.

You should always check with the supervisor in your animal housing area if there is ANY doubt in your mind as to what you should wear. Please be aware that entry orders may be in effect as well.



Wearing PPE is REQUIRED, it is NOT an OPTION

You should always check with the supervisor in your animal housing area if there is ANY doubt in your mind as to what you should wear. Please be aware that entry orders may be in effect as well.

While some items will be required, if you feel you need additional PPE, you are free to add additional items or layers of protection.



Research Division of Laboratory Animal Resources

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