

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



Research
*Division of Laboratory
Animal Resources*



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

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

Personal Protective Equipment (PPE)

What Purpose Does it Serve?

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



Personal Protective Equipment (PPE)

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.



Personal Protective Equipment (PPE)

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.



Personal Protective Equipment (PPE)

What Purpose Does it Serve?

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



Personal Protective Equipment (PPE)

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.



Personal Protective Equipment (PPE)

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



Personal Protective Equipment (PPE)

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



Personal Protective Equipment (PPE)

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



Personal Protective Equipment (PPE)

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

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

Personal Protective Equipment (PPE)

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

Personal Protective Equipment (PPE)

Required PPE for Entering Animal Rooms



**MASKS &
N95**



**HEAD
COVER**

**TYVEK
SLEEVE**



SHOE COVERS



**DISPOSABLE
GOWN**



GLOVES

Personal Protective Equipment (PPE)

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.



Personal Protective Equipment (PPE)

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)



Personal Protective Equipment (PPE)

Required PPE for Entering Animal Rooms

Putting on PPE

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

Personal Protective Equipment (PPE)

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

Personal Protective Equipment (PPE)

Required PPE for Entering Animal Rooms

Donning “Putting on” PPE

Third mask and/or face shield



- ❑ While surgeons masks may look “cool” they do not offer much allergen protection for the wearer. They do protect the animals from us, though.
- ❑ 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 benefit tested by Environmental Health and Services



Personal Protective Equipment (PPE)

Required PPE for Entering Animal Rooms

Donning “Putting on” PPE



Fourth Tyvek sleeves (if you are wearing them)

Fifth Gloves



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



Personal Protective Equipment (PPE)

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.



Personal Protective Equipment (PPE)

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**

Personal Protective Equipment (PPE)

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.



Hood Style

Helmet Style



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

Tyvek
Protective
sleeves



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.

Latex or Nitrile Gloves

Close-toed
Shoes or boots
and shoe
covers

Personal Protective Equipment (PPE)

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.



Personal Protective Equipment (PPE)

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.

Personal Protective Equipment (PPE)

Exiting Animal Rooms

Doffing “Taking Off” PPE

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



Personal Protective Equipment (PPE)

Exiting Animal Rooms

Doffing “Taking Off” PPE



NOW the
Gloves,
again
inside out



Followed by
the Mask &
Head cover

Personal Protective Equipment (PPE)

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

Personal Protective Equipment (PPE)

Exiting Quarantine or Barrier Rooms

Doffing “Taking Off” PPE

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



Personal Protective Equipment (PPE)

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.)



Personal Protective Equipment (PPE)

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.



Personal Protective Equipment (PPE)

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.



Personal Protective Equipment (PPE)

For Questions, Please Contact The Area Supervisor

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