



System       Department

**Supersedes:**

Section: Biocontainment Unit

Subject: Donning PPE with PAPR

Number: 1092

Attachments:

Date Effective: May 2006

March 2007; June 2010; March 2013; January  
2015, October 2015, December 2017, February

Date Reviewed: 2018, June 2018

## **Nebraska Biocontainment Unit Biological Protective Suit and PAPR**

**Policy:**

Nebraska Biocontainment Unit (NBU) staff shall wear personal protective equipment deemed safe by the Medical Director, donning it so as to protect themselves from exposure to highly hazardous communicable diseases.

**Purpose:**

To provide guidelines for Donning PAPR Level Personal Protective Equipment.

**Materials:**

Biological Protective Suit,

Disposable Plastic Boot Liners (with elastic tops)

Disposable Boots

PAPR Blower Unit (with belt)

2 PAPR HEPA Filters

PAPR Tubing

PAPR Flow Tester

PAPR Hood

1 Pair Standard Exam Gloves

1 Pair Long Cuff Nitrile Exam Gloves

1 Pair KC500 Nitrile Long cuff Gloves

Tape

**Procedure:**

1. Drink 6-8 fl oz of fluid (*preferably a sport type drink*). Avoid Caffeine.
2. Remove all jewelry and personal clothing and change into scrubs, undergarments and foot wear provided by the NBU.
3. Persons with long hair should apply a hairnet or tie hair back from face.
4. Work with a donning partner.
5. Collect all required items (see above).
6. Screw on two HEPA filters to the PAPR unit.

- consider the need for a third HEPA filter. Follow the direction of the Medical Director or designee
7. Test the PAPR unit using the provided flow tester.
    - Ensure it indicates battery strength and filter flow above the minimum line.
  8. While sitting on a chair don the plastic boot liners over shoes and scrub pants.
  9. Don the Biological Protective Suit (BPS) to your waist and pull the zipper to your waist
    - Note: To ease removal, the BPS should not be a close fit.
  10. With a donning partner's assistance, don the disposable boot covers over the BPS.
  11. Wash hands with soap and water or use hand sanitizing gel.
  12. Apply close fitting long cuff nitrile exam gloves. These will be under the suit cuffs.
  13. Tuck the attached hood under the collar and inside the BPS
  14. Apply the PAPR blower unit with tubing attached. Ensure a snug and comfortable fit with the PAPR unit seated at the small of your back.
  15. Don the KC500 Nitrile Long cuff Gloves over the BPS sleeves.
  16. Tape the cuffs to the BPS with tape.
    - Fold over the edge of the tape to make a flap to facilitate removing it.
    - Make a fist while tape is being applied so it will not be too tight.
    - Don't put the tape around the arm tightly.
  17. Don hood, adjusting it for a comfortable fit.
  18. Attach PAPR tubing to the PAPR hood and switch PAPR on.
  19. Lift the outer layer of the hood cape up and have your donning partner tuck the inner layer into the BPS.
    - Ensure it is tucked in evenly and not bunched up for comfort.
  20. Pull the BPS to the neck, pull the zipper all the way up and secure the Velcro flap to seal the zipper closure.
  21. Position the outer layer of the hood cape over your shoulders.
  22. Perform a safety check with a donning partner and by checking yourself in the mirror to ensure all PPE is donned correctly.
  23. Apply latex free exam gloves when providing patient cares.
    - Remove using glove in glove technique when task is complete.
    - If a procedure requires sterile technique, sterile gloves should be donned over the KC500 nitrile long cuff gloves.

**When providing patient care or performing activities that pose a splash risk put on a plastic disposable apron that is provided inside the patient care room.**

Staff Accountability:

Nebraska Biocontainment Unit Leadership

Nebraska Biocontainment Unit Policy and Procedure Workgroup

**Department Approval**

Signed | s |: Kate Boulter  
Title: Nurse Manager  
Department: NBU

**Administrative Approval**

Signed | s |: Michele Schwedhelm  
Title: Executive Director