

Standard Work: Donning Level 1 PPE (PAPR)

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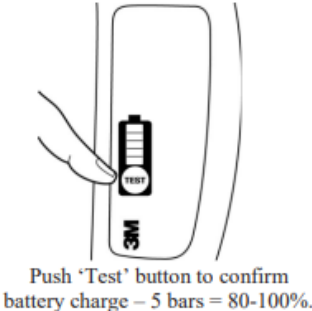
Purpose: Donning Level 1 PPE

Outline for donning the PPE required for ULTIMATE precautions


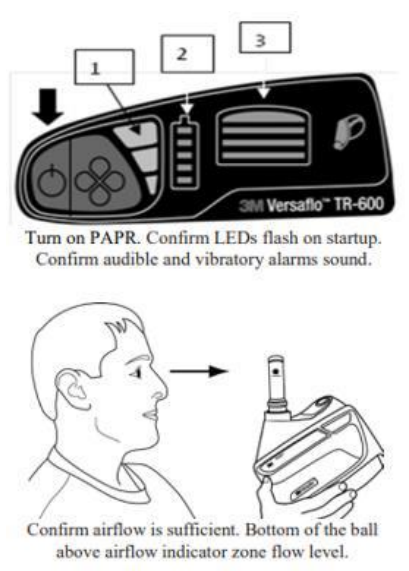
Value Stream: Special Pathogen Unit (SPU)

The Corewell Health Special Pathogen Unit is located on 9C at Butterworth. All PPE outlined in this SW may not be available to team members outside of the SPU.

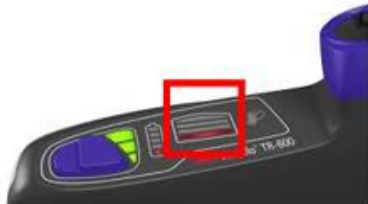


Introduction: The donning process is conducted under the guidance and supervision of a Hot Zone Boss (HZB), who confirms visually that all PPE is serviceable and has been donned successfully. The Hot Zone Boss uses verbal commands and this written checklist to verify each step in the donning process. The person donning will acknowledge each command given by the HZB to indicate their understanding of the step. The trained HZB may assist in the donning process, as required.

Seq. No	Task Description:	Key Point / Image / Measure (what good looks like)	Who	Check
1.	Prepare for Donning <ol style="list-style-type: none"> Hydrate (min. 8 oz). Remove all jewelry, phones, pagers, badges, etc. Dress in hospital scrubs, socks, shoes. Bring clean clothing for after doffing and showering. Use restroom. Acquire PPE (PAPR Shroud, PAPR Battery/Filter/Hose, Zip Tie, Shoes, Gown, Coverall, Booties, Inner Gloves, Outer Gloves, and Patient Care Gloves). Perform Hand Hygiene. 	<p>Team member should prepare for up to 4 hours in level 1 PPE. Every item that enters the patient care area should be considered disposable. Do NOT take any item into the HOT zone that you are not willing to part with.</p>  <p>The health and safety of team members is imperative to successful care of patients with special pathogens.</p>	Special Pathogens Response Team Member	
2.	Inspect PAPR Parts for proper operation <ol style="list-style-type: none"> Motor/blower: Inspect for cracks, holes, damage to user interface panel and belt attachments. Battery pack: Confirm case is intact. Press TEST button on pack to confirm charge is sufficient for duration of the work period. Breathing tube: Examine breathing tube for tears, holes, or cracks. Bend the tube to verify that it is flexible and not showing signs of wear. Ensure the O-rings located at both ends of the breathing tube are present and intact. Filter/cartridge: Closely inspect filter/cartridge plastic housing including the corners and latches, outer rectangular barrier, and inner circular filter seal gasket for cracks, tears, cuts, distortion, 		Special Pathogens Response Team Member	





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	indentations, or debris. Replace filter/cartridge if damaged. If the filter/cartridge has been mishandled or dropped, re-inspect fully. If you have any concern, contact supervisor or 3M Technical Service for guidance. 5) Verify filter is not expired. 6) Headgear: Inspect the headgear for tears, cuts, loose stitching, cracks, discoloration, or other signs of damage. 7) If a damaged part is found, take out of service and do NOT use.			
3.	Perform PAPR flow check 1) Insert air flow indicator TR-971 into the outlet on the VERSAFLO motor/blower unit. 2) Start motor/blower. Run for 1 minute. 3) With the airflow indicator TR-971 in a vertical position, the bottom of the floating ball must be at, or above, the minimum flow level indicated on airflow indicator chart for your 'zone'. If not above minimum level, respirator system must not be used until evaluated and repaired.	 <p>Turn on PAPR. Confirm LEDs flash on startup. Confirm audible and vibratory alarms sound.</p> <p>Confirm airflow is sufficient. Bottom of the ball above airflow indicator zone flow level.</p>	Special Pathogens Response Team Member	



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4.	Perform Low Flow Alarm Test Check the low airflow alarm by simulating a low airflow condition. With the motor/blower on: 1) Remove the airflow indicator and tightly cover the outlet of the motor/blower with the palm of your hand. The motor should automatically speed up, attempting to compensate for the low airflow condition. 2) Continue to press your palm tightly against the end of the outlet, making a tight seal. a) TR-600 In less than approx. 30 seconds, the unit will sound an audible and vibratory alarm, and the bottom bar on the filter loading/low flow indicator will flash red. b) TR-300+ In less than 30 seconds, the unit will sound an audible alarm and the red fan shape LED will flash. 3) Remove your hand from the outlet of the blower/motor. In less than approx. 30 seconds, the audible alarm and the flashing red LED should both stop when the motor returns to the selected speed.	<p>TR-600</p>  <p>TR-300+</p>  <p>NOTE: If the low airflow alarm fails to sound, do not use the unit. Contact supervisor or 3M Technical Service.</p>	Special Pathogens Response Team Member	
5.	Assemble PAPR 1) Attach motor/blower to belt or backpack. 2) Insert the end of the breathing tube with the two small prongs into slots in the motor/blower air outlet. Twist the breathing tube ¼ turn to the right (clockwise) to lock. 3) Attach breathing tube to headgear. Push the QRS end of the breathing tube (blue pinch clip) onto the air inlet of the headgear. Headgear will secure with a distinct click. Gently pull to confirm a secure connection.	 <p>Insert breathing tube into PAPR outlet. Inspect headtop for damage. Connect breathing tube to headtop. Don PAPR.</p>	Special Pathogens Response Team Member	




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6.	Inspect single-use coveralls <ol style="list-style-type: none"> 1) Choose size that allows total movement without excessive bagginess. 2) Visualize all seams to ensure closure. 3) Test zipper for functionality, add zip tie for ease of removal. 4) Inspect material for holes, rips, or tears. 5) Never cut or remove any undesirable pieces of PPE (hoods, sleeves, zipper covers, etc.). Do not tape gloves to coveralls. 		Special Pathogens Response Team Member	
7.	Don single-use coveralls <ol style="list-style-type: none"> 1) Leave shoes (Crocs) on. 2) Add booties over shoes for easier doffing if needed. 3) Put each leg into the coveralls one at a time. Team member may use stabilization device or chair as needed. 4) Don shoe covers over coveralls. 5) Stand and pull coveralls to the waist. 		Special Pathogens Response Team Member	
8.	Don inner Gloves (1st pair) Don inner pair of single-use examination gloves with extended cuffs. Gloves for donning will be labelled Inner (1 st), Outer (2 nd), and Patient Care (3 rd).		Special Pathogens Response Team Member	
9.	Continue donning single-use coveralls <ol style="list-style-type: none"> 1) Tuck collar, and coverall hood (if present) inside coveralls. 2) Put arms in coveralls and pull up over shoulders. 3) Zip coveralls all the way up to the top. 4) Secure sleeves over inner gloves using thumb straps. It may be beneficial to put 		Special Pathogens Response Team Member	


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	straps over middle or ring finger depending on fit. 5) Do NOT remove adhesive backing and seal zipper. Just fold over the tab.			
10.	Select Desired Airflow and Don PAPR Blower Unit 1) Start Motor/Blower. 2) Secure Blower belt around the waist with the motor resting above the buttock in the small of the back. 3) Ensure the belt is not too tight to restrict movement and not too loose to slip over hips.		Special Pathogens Response Team Member	
10.	Don Outer Gloves (2nd pair) 1) Apply second pair of single-use examination gloves with extended cuffs. These gloves should be of a different color than the inner gloves. 2) Fully extend wrist portion of gloves to completely cover coverall cuff.		Special Pathogens Response Team Member	

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11.	Don PAPR 1) Place PAPR hood on head, drape shroud over shoulders to ensure proper coverage of hair, ears, and neck. 2) Conduct a visual inspection of the PAPR assembly to ensure all components are operational, assembled and worn correctly, and that no hair or skin is exposed below the hood/shroud.		Special Pathogens Response Team Member and Hot Zone Boss	
12.	Don Gown 1) Don arms in sleeves. 2) Gown should go OVER the PAPR shroud. 3) Securely fasten ties at back. Application may take assistance from the Hot Zone Boss.		Special Pathogens Response Team member and Hot Zone Boss	
13.	Don Patient Care Gloves (Third pair of gloves) 1) Apply a third pair of regular cuffed or long cuffed single-use examination gloves. These gloves should be of a different color than the inner (first pair) and outer gloves (second pair).		Special Pathogens Response Team Member	

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14.	<p>Hot Zone Boss will verify adequate range of motion without breach to ensure proper fit and function of PPE</p> <ol style="list-style-type: none"> 1) Lift hands over head. 2) Bend forward. 3) Stretch arms out in front of body. 4) Turn slowly to allow visualization of all sides. 5) Squat (pretend to reach items on the floor). 		Special Pathogens Response Team member and Hot Zone Boss	

References: [CDC](#), [NETEC](#), [3M Versaflo PAPR instructions TR-600](#), [MIOSHA Respiratory Protection](#)