Decontamination & Cleaning of Elastomeric Half Mask Facepiece Reusable Air Purifying Respirators (EHMR)

EHMR with P100 filters should be stored in a clean plastic bag. The procedure for donning and doffing the EHMR parallels that for donning the N95. During use they should be decontaminated with grey-top Sani-Wipes each time they are doffed and at the end of every shift.

**ROUTINE DECONTAMINATION**

1. Perform hand hygiene.
2. Don droplet face mask; face shield; and gloves.
3. Remove the white plastic filter splashguards, the purple filter cartridges, and the white plastic speaking diaphragm splashguard.
   - If a filter is visibly damaged, wet, or if it is becoming more difficult to breathe through it, the filter should be replaced.
   - Contact Darcie Black to obtain a new filter.
4. Clean the surface of each with a grey-top Sani-Wipe. Be careful not to get the filter wet, as that degrades its function. Set aside to dry on a separate, clean surface.
5. Carefully clean the inner surface, the straps, and then the outer surface of the mask with a grey-top Sani-Wipe.
   - Take care not to damage or fold the valves on the inside of the mask.
6. Set the clean mask aside to dry on a separate, clean surface. Allow to dry for at least 60 seconds.
7. Once the mask is dry, inspect the filters for integrity and then reattach to the mask. Reattach the covers.
8. Store in a clean plastic bag, labeled with your name and phone number.

**CLEANING & DISINFECTION (15-20 MINS)**

In addition to decontamination EHMR with P100 filters should be immersion cleaned and disinfected as follows:

- After 5 days of use
- After every case with confirmed or suspected COVID-19
- At the end of a shift that included aerodigestive cases

When immersive cleaning and disinfecting is required, it can be performed by an individual clinician or by the EHMR cleaning team.

Carefully decontaminate it with grey-top Sani-Wipes as usual.

For individual cleaning: Place the EHMR in a storage bag.
For central cleaning: After decontamination, place the filter cartridges in a labeled storage bag. Place the labeled mask and splashguards (not the filters) in the dirty EHMR bin in the Anesthesia Workroom.

EHMR can be cleaned by immersion in water that contains oil-free dish soap and disinfected by immersion in water that contains hypochlorite.

- The filters must be detached before cleaning and should not be submerged.
- The white plastic splashguards should be submerged.

See EHMR Disinfection Protocol for full instructions

Infographic by Harriet Hopf, MD

Designed by Beca Chacin