

Battelle CCDS Critical Care Decontamination System™
Frequently Asked Questions

The Battelle Decontamination System™ has been authorized for emergency use to decontaminate compatible N95 or N95-equivalent respirators for reuse by healthcare personnel during the COVID-19 pandemic to prevent wearer exposure to pathogenic airborne particulates.

1. When you receive a Battelle cleaned mask back from the decontamination process are you getting less than a new, serviceable mask?

Answer: Masks sent to the Battelle system are individually inspected for damage, foreign materials, filter serviceability, and serviceability of the nose-bridge strap and elastic bands. Any issues found with the mask will cause the mask to be discarded. Masks that come out of the system look new, perform as if new and have the same capability as a new mask out of a box.

2. Are the masks safe to use after being permeated with Hydrogen Peroxide?

Answer: The amount of Hydrogen Peroxide left after the masks are cleaned and aerated is well below the industry standard of one part per million. There is no residual H₂O₂. The final product following the process is water mist, H₂O.

3. Will the respirator fit be the same after cleaning?

Answer: The significant testing performed by Battelle to receive the FDA authorization showed that mask fit for a cleaned mask is comparable to a new mask.

4. Will the Battelle system really destroy all of the pathogens?

Answer: Extensive testing for the system to gain FDA authorization showed that 100% of COVID pathogens were killed during the cleaning. Hydrogen Peroxide is an excellent compound to effectively kill COVID pathogens.