

Phileas[®] Genius[®] VHP biodecontamination of a Baker SterilGARD[®] Guide

BAKER

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Recommended Parameters:

1. Place Phileas Genius inside main work area. Remove any equipment not intended to be decontaminated. Close electrical covers.
2. Place any Biological Indicators (BIs) or Chemical Indicators (CIs) desired throughout the work area.
3. Set a Zone with the following parameters:
 - a. Volume = 1.15 m³
 - b. Dose = 20 mL/m³
 - c. Delay = 2 min
 - d. Cycles = 3
4. Set the viewscreen to the normal opening height for operation as marked (normally 8”).
5. Turn the BSC blower OFF.
6. “Tent” the BSC by sealing it completely with plastic sheeting. This will ensure proper circulation of the hydrogen peroxide throughout the HEPA filters.
7. Start the Phileas Genius protocol and turn ON the BSC blower.
8. Turn OFF the BSC blower when the Phileas Genius protocol has ended (~6 min) to allow for the hydrogen peroxide to settle on surfaces.
9. Remove BIs and CIs after a MINIMUM of 2 hours to allow an appropriate soaking period.
10. After 12 hours, the internal concentration of VHP will have reduced to 0 ppm. The plastic sheeting can be removed and the Phileas Genius taken out.



Observations and Notes:

- Recommended locations for BIs and CIs to test for sufficient VHP decontamination would be throughout the work area, under the work surface, downstream of the supply and exhaust HEPA filters. All BIs and CIs should be negative for growth/positive for color change to be considered a successful biodecontamination.
- If desired, a VHP probe can be placed through the cable port to show internal ppm concentration (tape around the cable to prevent leakage). Average effective concentration was 70-100 ppm.
- After monitoring for many hours after a decon, we did not see a resurgence of VHP, i.e. it does not off-gas later on. Once the VHP is down to 0 ppm, it is safe to resume use.

