

Medivators Makes Following the Guidelines Easy

There are over 30 steps to proper manual cleaning and reprocessing of Biopsy, Air/Water and Suction Valves—making the cleaning process both difficult and time consuming.

That is why Medivators actively encourages the use of DEFENDO™ Sterile Single-use Valves. This practice eliminates the need to clean and disinfect reusable valves—providing the highest level of infection prevention. It also eliminates the need to track valves to a specific endoscope model and serial number.

At bedside and manual cleaning, Medivators encourages endoscopy providers to use INTERCEPT® Detergent—a unique non-enzymatic formula specifically developed for manual or automated cleaning of endoscopes and accessories prior to reprocessing. INTERCEPT Detergent effectively aids in the removal of biofilm and is clinically proven to provide superior removal of biological and organic soils found in instruments.



DEFENDO™
Sterile Single-use Valves



INTERCEPT®
Detergent

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AN ORDER**

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Infection Prevention *Guideline Highlights*

- *The latest AORN, AAMI, and SGNA guidelines recommend the use of single-use endoscope valves and non-enzymatic detergents.*

Infection Prevention *Guideline Highlights*

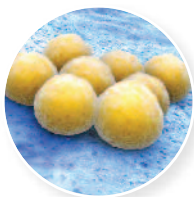
AORN underscores the danger of reusable valves

“Parenis^{1,3,4} conducted a nonexperimental study to evaluate the difficulty with manual cleaning and disinfection of endoscopic biopsy port valves. The researchers collected 15 reusable biopsy port valves from three endoscopy centers across the United States. The valves had been reprocessed and were deemed to be clean, disinfected, and ready for use. The biopsy port valves were examined using brightfield microscopy and then further studied to identify potential sources of contamination using Fourier transform infrared spectroscopy. **The researchers found the eight of the 15 valves (53.3%) exhibited some form of debris or potential contamination.** Testing confirmed the debris to be proteinaceous material. The researchers also found that many of the valves were damaged, increasing the potential for leakage and providing reservoirs for bacterial colonization. At least one valve came from each of the three facilities.”

CONCLUSION

• *Single-use biopsy valves are safer*

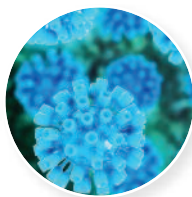
“The researchers concluded that single-use biopsy port valves provided a higher degree of patient safety.”



*Staphylococcus
aureus*



*Bacillus
species*



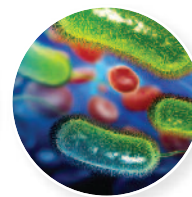
Hepatitis



*Escherichia
coli*



*Pseudomonas
species*



*Helicobacter
pylori*

AAMI highlights that traceability and high-level disinfection are key

“Valves (including rinsing valves) should stay with a named endoscope as a set to prevent cross-infection and enable full traceability.”

“Processing of certain reusable endoscope components such as air/water and suction valves ... require the same level of inspection, cleaning, and high-level disinfection or sterilization as the endoscopes themselves.”

CONCLUSION

• *Single-use valves are an effective option*

Page 31 “... consider the use of single-use, disposable valves.”

Page 33 “Detachable parts that are to be reused (e.g., air/water and suction valves, pistons) should be processed together and stored with the specific endoscope as a unique set in order to allow traceability.”

SGNA says cleaning solutions need to be effective and traceability is important

“Manual cleaning of endoscopes is necessary prior to automated/manual high-level disinfection or sterilization. **This is the most important step in removing the microbial burden from an endoscope** ... Ideally, a cleaning solution should have a broad spectrum of effectiveness against these various contaminants and not harm the device being cleaned.”

CONCLUSION

• *Non-enzymatic detergents are superior*

“Enzymatic cleaning solutions use multiple-enzymes to break down and digest bioburden.

Non-enzymatic detergents are superior at inhibiting and removing biofilm.”

(Ren et al., 2013; Ren et al., 2014)

CONCLUSION

• *Reusable valves require close tracking*

Page 15 “... literature suggests that *reusable buttons & valves be reprocessed and stored together with the endoscope* as a unique set for tracking purposes.”