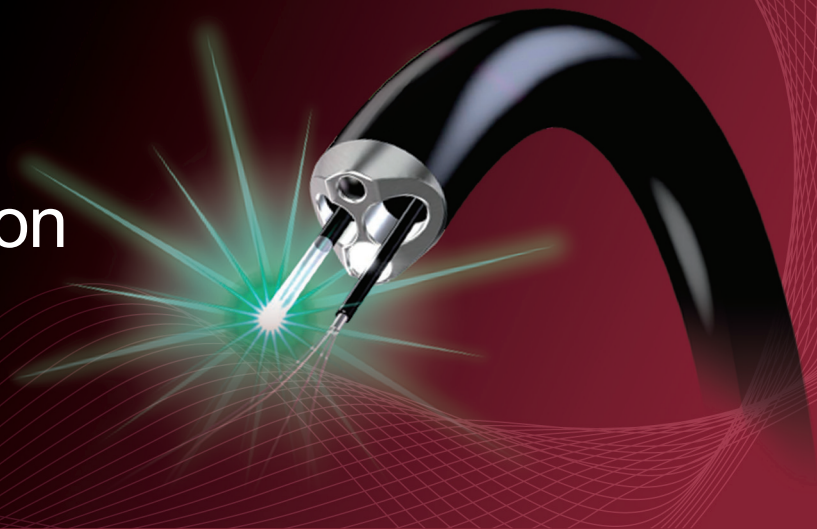


# Essential Information

## Flexible endoscope reprocessing



### Sydney Nye, RN, CCSVP

Senior Market Manager - Richard Wolf

"Richard Wolf is dedicated to giving you the information that you need to have the confidence to clean the endoscope so that your patient is well cared for in a safe manner."



### Nancy Chobin, RN, CSPDM

Executive Director - Certification Board for Sterile Processing and Distribution

"In treating patients today, every single individual who is responsible for taking care of that patient in any matter, shape or form is an integral part of that team. The CSSD technician is responsible to provide the tools and equipment that the surgical team needs."



### Cynthia Spry, RN, CNOR, CSIT

Independent Clinical Consultant

"A person is hired with the responsibility of processing instruments, I believe the first thing they need to be taught or learn about is the Spaulding Classification System. I think the gold standard for flexible endoscopes is terminal sterilization."

# Reprocessing Map

## 1 Point of Use (patient care area)

- Pre-clean in patient care area (or, cath lab, GI lab, etc.)
- Use tap, sterile water or enzymatic detergent solution
- Flush channels, wash scope
- Secure in transport bag or enclosed tray, transport to decontamination area (CSSD or designated scope reprocessing room)

## 2 Decontamination

- Complete leakage test
- Disassemble the scope
- Soak scope, parts
- Flush, Brush, Flush scope channels, parts
- Wash outside of scope, eyepiece and lens
- Rinse channels, scope w/processed water
- Dry scope, dry channels with filtered, compressed air device
- Ready for disinfection

### CHOICES

#### Manually disinfect

- Place in high-level disinfectant (mfg IFU), rinse with sterile or processed water, dry channels and scope

#### Machine disinfect

- Connect scope correctly to machine, select correct cycle for scope and parts. Check machine printout to ensure machine activity

## 3 Assembly, Inspection

- Inspect scope and parts for functionality and cleanliness
- Flush channels with alcohol and dry with filtered compressed air or 20cc syringe
- Assemble scope and parts
- Ready for sterilization or storage

## 4 Sterilization, Storage

### CHOICES

#### Terminal sterilization

- Place in suitable tray, wrap or containerize
- Attach gas cap to scope
- Sterilize using low-temperature sterilizer
- Transport to sterile storage area for later use

#### Clean storage

- Ensure scope has been high-level disinfected, dried correctly and inspected for cleanliness and functionality
- Label scope with reprocessing information
- Transport in secure, clean bin to clean storage
- Hang scope in vertical dependent position
- Area should be well ventilated. Prevents cross-contamination damage

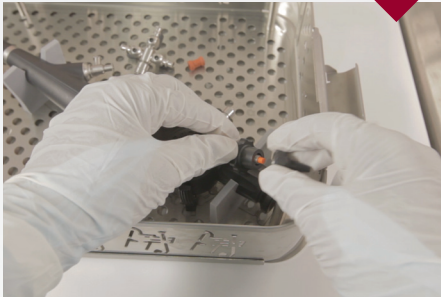
## Key Take-Aways

1. Educate staff using IFU: basic orientation, annual review
2. Handle correctly
3. Pre-clean patient care area
4. Perform leakage test **before** manual clean process
5. Manually clean before machine clean
6. Use low pressure devices when flushing, rinsing or drying the channels
7. Dry channels very well before disinfection, clean storage or terminal sterilization
8. Never use an ultrasonic machine to clean flexible scopes!
9. Use only chemicals and cleaning process steps approved by Richard Wolf products
10. Use temperatures 60°C (140°F) during cleaning or sterilization
11. Use gas cap correctly
  - Use:
    - EO
    - STERRAD®
    - VPRO®
  - Do not use:
    - Cleaning, rinsing
    - Liquid chemical disinfection
    - STERIS SYSTEM IE®
    - Patient Care

# Manual Cleaning Detail



Inspect and perform leakage test



Disassemble scope parts



Flush channels w/enzymatic solution; soak



Brush each lumen and channel



Dry outside of scope with lint-free cloth. Dry channels with low pressure device or compressed filtered air device or syringe



Rinse scope exterior, channels and lumens with low pressure device or syringe and overhead sprayer



Brush all disassembled scope parts



Brush scope exterior

## RICHARD WOLF APPROVED CHEMICALS

### Cleaning and/or Disinfecting Flexible Fiberscopes

#### Detergents

Manufacturer	Detergent Name	Manual	Machine
Advanced Sterilization Products (ASP)	ENZOL®	Yes	Yes
Medical Chemical Corp.	Medizyme LF	Yes	Yes
	Wavizyme	Yes	No
Metrex Research Corp.	Empower	Yes	Yes
	Empower Foam	Yes	No
	Metrizyme	Yes	Yes
Medisafe	3E-ZYME	Yes	Yes
	Enzyme spray foam	Yes	No
Ruhoff Corporation	Endozime	Yes	No
	Endozime (AW)	No	Yes
STERIS	Adi-zyme	Yes	Yes
	Enzycare2	Yes	Yes
	Klenzyme	Yes	Yes
	Pre-Klenz Gel	Yes	No
	Rerital - OX Resert XL HLD	Yes	Yes

#### Disinfectants

Manufacturer	Detergent Name	Manual	Machine
Advanced Sterilization Products (ASP)	Cidex® Activated	Yes	No
	Cidex® OPA	Yes	Yes
	Cidex® plus 28 day	Yes	No
Medical Chemical Corp.	Wavecide – 01	Yes	No
Metrex Research Corp.	Metricide 28	Yes	No

## RICHARD WOLF APPROVED MACHINES\*

### Cleaning and/or Disinfecting Flexible Fiberscopes

Manufacturer	Machine
Advanced Sterilization Products (ASP)	EVOTECH® ECR
Medivators	ADVANTAGE Series
	CER Series
	DSD Series
STERIS	Reliance® EPS
	SYSTEM 1E®

\*Refer to the Instructions For Use manuals for the specific machine and connecting hoses as well as the specific endoscope prior to using any of the machines to clean and/or disinfect Richard Wolf Flexible Endoscopes.