

### 1. Pre-Treat

Instruments must remain moist to avoid blood, mucus or other bio burden, which may cause damage if allowed to dry on the instrument.

- Enzymatic solutions with neutral pH are preferred to pre-soak/hold instruments
- Never soak instruments overnight/weekend
- Never use disinfectant as a "holding solution"



### 4. Rinse and Dry

Rinse and dry instruments using surgical towels not treated with bleach or harmful chemicals.



### 2. Rinse

Rinse instruments for 30 seconds under warm distilled or demineralized water. Tap water may leave spots on instrument.



### 5. Lubricate

Lubricant should be non-silicone based and water soluble. Never use industrial lubes.

Lubrication:

- Maintains longevity
- Helps prevent spotting, staining, corrosion and sticking/tightness

Lube all metal to metal contact:

- Hinges, box locks, screws and blades
- Lubricate weekly or more often if possible

Types of Lubricant:

- Milk = 30 second dip – no rinse
- Spray = No rinsing



### 3. Cleaning

An instrument may not be successfully sterilized if it is not completely clean. It is important that individuals cleaning instruments wear appropriate personal protective equipment (such as goggles or face shield, mask, gloves and apron).

Follow the steps below to ensure proper cleaning:

- Separate dissimilar metals
- Inspect for functionality
- Apply stain remover (as needed)

Accepted Cleaning Methods:

*Ultrasonic (most effective)*

*Manual*

*Automatic Washers*



### 6. Package – Wrap

Before wrapping, check all instruments for functionality.

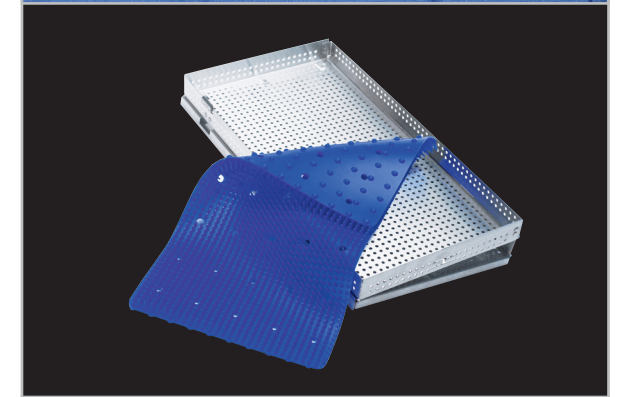
- Separate dissimilar metals
- Instruments must be in the open/unlocked position

Hinges/box locks can fracture during heat expansion if closed.

Wrap instruments in specialized bags, cassettes, surgical towels or containers with an indicator inside.

### 7. Sterilization

- Autoclave – Recommended
- Chemical/Cold Sterilization – Not Recommended
- Dry Heat – Not Recommended



#### Pre-Treatment Products, Instrument Prep Enzyme Spray Foam

Reference	Description
3-760*	24 oz. (0.71 liter) spray bottle NOTE: Products below can also be used during the Pre-Treat Step. Follow Manufacturer's recommendations.

#### Cleaning Products, EZ-Zyme® All Purpose Cleaner

Reference	Description
3-750	32 single dose packets – ¾ oz. (22 ml). Makes 32 gallons
3-755	1 gallon (3.79 liter, 128 oz.) with dispenser pump. Makes 160 gallons

#### Instrument Cleaner and Lubricant

Reference	Description
3-710	1 gallon (3.79 liter, 128 oz.) with dispenser pump. Makes 128 gallons Note: only up to 1-hour soak time.

#### Surgical Instrument Cleaner

Reference	Description
3-720*	8 oz. (0.24 liter). Makes 32 gallons
3-725	1 gallon (3.79 liter, 128 oz.) with dispenser pump. Makes 512 gallons

#### Brushes/Packaging/Wrapping Products

Miltex offers a variety of additional products for use prior to autoclaving. Contact your distributor for more details on the following items:

- Nylon & Stainless Steel Brushes
- CSR Wrap
- Miltex® "Tip-It" Instrument Guards
- Autoclave Tape
- Steam Indicator Strips
- Miltex® Cassettes
- Sterilization Containers

\* Part numbers are in case quantity. Contact your distributor for smaller unit packaging availability.

#### Stain Removing Product, Surgical Instrument Stain Remover

Reference	Description
3-740*	Powder formula (85 grams)

#### Lubricating Products, Instrument Lubricant

Reference	Description
3-705	1 gallon (3.79 liter, 128 oz.) milk. Makes 170 gallons
3-700*	8 oz. (0.24 liter) spray lube

For more information or to place an order, please contact:  
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