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"

2. Rinse

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

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

4. Rinse and Dry

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

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/lightness

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

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

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

<table>
<thead>
<tr>
<th>Reference</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-710*</td>
<td>2 oz single dose packets – ¼ oz (22 ml). Makes 20 gallons</td>
</tr>
<tr>
<td>3-750*</td>
<td>1 gallon (3.79 liter, 128 oz) with dispenser pump. Makes 160 gallons</td>
</tr>
</tbody>
</table>

**Ultrasonic (most effective)**

**Manual**

**Automatic Washers**

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

<table>
<thead>
<tr>
<th>Reference</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-760*</td>
<td>24 oz (0.71 liter) spray bottle</td>
</tr>
</tbody>
</table>

**Surgical Instrument Cleaner**

<table>
<thead>
<tr>
<th>Reference</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-720*</td>
<td>8 oz (0.24 liter). Makes 32 gallons</td>
</tr>
<tr>
<td>3-725</td>
<td>1 gallon (3.79 liter, 128 oz) with dispenser pump. Makes 160 gallons</td>
</tr>
</tbody>
</table>

**Instrument Cleaner and Lubricant**

<table>
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<th>Reference</th>
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<tbody>
<tr>
<td>3-700*</td>
<td>8 oz (0.24 liter) spray lube</td>
</tr>
<tr>
<td>3-705</td>
<td>1 gallon (3.79 liter, 128 oz) milk. Makes 170 gallons</td>
</tr>
</tbody>
</table>

**Stain Removing Product, Surgical Instrument Stain Remover**

<table>
<thead>
<tr>
<th>Reference</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-735</td>
<td>1 gallon (3.79 liter, 128 oz) with dispenser pump. Makes 160 gallons</td>
</tr>
</tbody>
</table>

**Lubricating Products, Instrument Lubricant**

<table>
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<tbody>
<tr>
<td>3-715</td>
<td>8 oz (0.24 liter, 128 oz) with dispenser pump. Makes 160 gallons</td>
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</table>

**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® Type™ Instrument Cassettes
- Miltex® Cassette
- Sterilization Containers

**Stain Removing Products, Surgical Instrument Stain Remover**

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

Integra
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589 Davies Drive, York, PA 17402
866-854-8300 USA
866-854-8400 fax
integralife.com/integra-miltex

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