




Encision® Products Cleaning and Sterilization Matrix

 **Warning:** Refer to the product-specific Instructions for Use documents for complete cleaning and sterilization instructions and precautions.




 **Caution:** Treat product as a potential biohazard until cleaning and sterilization have been completed.

Process Flow 



Encision Products		Cleaning			Lubrication	Steam Autoclave Sterilization (Choose one of cycles below)		
		Manual	Ultrasonic	Automated		Prevac (wrapped)	Gravity Steam (wrapped)	Gravity Steam (Flash)
		Step 1: Disassemble any removable parts. Step 2: Enzymatic Bath: Soak 5 minutes minimum and rinse thoroughly for 3 minutes minimum. Step 3: Detergent Bath: Scrub, flush & rinse thoroughly for 3 minutes minimum.	Ultrasonic Bath (35 - 45 KHz) Step 1: Soak 5 minutes maximum. Note: Do not exceed temperatures of 50°C.	Step 1: Prewash 1-10 minutes. Step 2: Enzyme Wash 1-15 minutes. Step 3: Rinse for 20 seconds minimum. Step 4: Detergent Wash 1-20 minutes. Step 5: Rinse 1-5 minutes. Step 6: Hot air dry for 0-10 minutes.	Use water-soluble medical instrument lubricant	Temperature: 132°C/270°F Minimum Exposure Time: as noted Wrap: 2-ply muslin or equivalent	Temperature: 132°C/270°F (unless noted otherwise) Minimum Exposure Time: as noted Wrap: 2-ply muslin or equivalent	Temperature: 132°C/270°F Minimum Exposure Time: as noted
Handles	enTouch® Handles - ES8000, ES8200 Series	●	○	○	●	○ 4 minutes minimum	○ 15 minutes minimum	○ 10 minutes minimum
	Bipolar Instruments*	●	○	○	●		● 15 minutes minimum	
	Precision Instruments*	●			●	○ 4 minutes minimum		○ 10 minutes minimum
Inserts	enTouch® Handle Inserts	●	○	○	●	○ 4 minutes minimum	○ 15 minutes minimum	○ 10 minutes minimum
	Bipolar Instruments*	●	○	○	●		● 15 minutes minimum	
Fixed-Tip Electrodes & Suction-Irrigation Electrodes	Fixed Tip Electrodes - ES3500 Series	●	○	○		○ 4 minutes minimum	○ 15 minutes minimum	○ 10 minutes minimum
	Reposable SIEs - ES377X Series	●	○	○		○ 4 minutes minimum	○ 20 minutes minimum	○ 16 minutes minimum
Cords	AEM® Cords	●	○	○		○ 4 minutes minimum	○ 121°C/250°F 60 minutes minimum	○ 10 minutes minimum
	Bipolar Cords	●					● 15 minutes minimum	

*US only

Cleaning Precaution Statements

-  **Caution:** Certain cleaning chemicals may negatively affect metals, such as the gold contacts on the handles. Do not use bleach (sodium hypochlorite)-based products during cleaning. Bleach is extremely corrosive to metals and can negatively affect the electrosurgical instruments. Refer to your cleaning products MSDS to ensure that they are not corrosive or harmful to various metals (including stainless steel, gold, etc.)
-  **Caution:** Use of some detergent solutions may leave a surfactant residue on the gold connector surface, depending on the strength of the solution and how thoroughly the residues are rinsed off. This may result in intermittent cord alarms. The residue may be removed by the use of an alcohol-soaked swab, rotated completely around the external gold connector surface.
-  **Caution:** Do not use a scratch pad or other abrasive cleaners to clean the electrode tip, shaft or sheath tube. Refer to the product-specific IFUs for the recommended handheld, soft-bristle cleaning brushes.

Sterilization Precaution Statements

-  **Caution:** Instruments have been validated for steam sterilization only. Use of other sterilization cycles such as cold soak sterilization (glutaraldehyde) or gas plasma (hydrogen peroxide) are not recommended. The use of flash sterilization is not recommended and should only be used in an emergency situation.
-  **Caution:** Do not exceed sterilization temperatures of 135°C/275°F. Instruments may be damaged at higher temperatures.

Legend

- Mandatory
- Optional
- Not applicable