

# The Cleaning Process

These instructions are intended as general guidance for cleaning and sterilisation of **ARMO**, **KLINI** and **Hipp** reusable surgical instruments.

Irrespective of the cleaning method used always observe the following:

- ALWAYS use distilled (demineralised) water for the final rinse
- Dissimilar metal instruments MUST BE separated.
- DO NOT let "sharps" (scissors, knives, etc) touch each other during the cleaning process.
- All instruments with hinges, box locks, ratchets, etc MUST BE processed in an open position.
- Only use a stiff nylon brush to scrub instruments.

## 1. HOLDING/PRE-SOAK

Never allow blood, tissue and debris to dry onto instrument surfaces. If rinsing and decontamination processes are not immediately available, pre-treat instruments or hold them in a neutral pH pre-soak solution after patient use but prior to actual cleaning. We recommend **Prepclean® Forever Wet (RH-PFW)** humectant spray for pre-soaking soiled instruments and scopes.

As soon as possible, rinse, disinfect, and clean instruments as follows.

## 2. RINSE

After surgery, remove organic materials by rinsing instruments under warm (not hot) running water. This rinse should remove most debris. DO NOT process dissimilar metals (stainless, copper, chrome plated) together.

## 3. CLEANING

All blood, body fluids and tissue must be completely removed from an instrument prior to sterilisation.

### Manual Cleaning and Soaking:

- Soaking instruments in an enzymatic cleaner bath is an effective way of removing organic material.
- Make sure to follow the cleaning agent manufacturers' instructions carefully. We recommend **Endozime®** for

this purpose, using a typical dosage of 4 ml/L, and soak for 10 minutes.

- Ensure that all spaces and recesses are completely filled with cleaning solution and no air pockets exist.
- Maintain a solution temperature of 20°C to 40°C during the soaking process.
- After allowing instruments to soak, scrub thoroughly with a stiff nylon brush. DO NOT USE A STEEL BRUSH
- Rinse instruments under running distilled water to remove solution.
- Change solution frequently.

### Ultrasonic Soaking & Cleaning:

- This is widely recognised as being the most effective method of cleaning instruments. However, extreme care must be taken when using this method to prevent damage being caused to instruments. CHECK that your selected cleaner can be safely used with your ultrasonic cleaner.
- Process instruments as per the manufacturers' recommended cleaning cycle - NEVER LONGER.
- We recommend our **Endozime®** for this purpose, using a typical dosage of 4 ml/L and soak for 3 minutes.
- Upon completion of the cycle, rinse the instruments with distilled water.

## 4. AFTER CLEANING

Inspect each instrument for proper function and condition.

Make sure instrument surfaces are visibly clean and free from stains.

We recommend using **Surgistain® (RH-SURG250)** to help remove any residual stains. Using this product regularly will keep your instruments in top condition.

Be sure to lubricate instruments regularly. We recommend **AMITY SURGIGLIDE (AMJ92C)** spray. After a treatment with Surgistain all instruments must be lubricated.

Make sure all dissimilar metals are separated prior to sterilisation.

Allow instruments to air dry. If instruments are to be stored prior to sterilisation ensure that they are stored in a clean and dry environment.

**ARMO**  
surgical instruments

**KLINI**  
instruments by anton hipp  
GERMANY

**ANTON HIPPE**  
Instruments & Implants



Instrument  
Cleaning  
made easy

**Macquarie**  
Medical Systems

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## PREPARE

Instrument Humectant Spray and Pre-Cleaner

# Prepclean®



**Helps to Prevent the Adhesion of Bio-burden to Surgical Instruments and Scope.**

## CLEAN

AW Triple Plus with APA

# Endozyme®



**Multi-Tiered Enzymatic Detergent with Advanced Proteolytic Action and Rust Inhibitors**

## MAINTAIN

Revitalise your instruments

# Surgistain®



**Remove rust, spots, and stains from surgical instruments.**

ITEM#	RH-PFW		
SIZE	750ml		

## FEATURES

- Prepclean® Forever Wet is a non-enzymatic Humectant spray which promotes long lasting retention of moisture on soiled instruments helping to eliminate dried on bio-burden
- Perfect for instruments that sit overnight or over a weekend
- No "skinning"; unlike other pre-cleaners does not leave a hardened skin on surfaces after an extended period of time
- Helps to prevent the adhesion of blood clots and organic debris from the cannula tunnel of instruments and scopes
- Rinses easily; washer/disinfector compatible
- No messy spills or splashing during transportation
- Neutral pH; safe for all instruments and scopes
- Non-aerosol; environmentally safe

ITEM#	RH-ENDAW4L		
SIZE	4L		

## FEATURES

- Advanced Proteolytic Action - Increased protein enzyme activity
- Proprietary blend of enzymes designed to remove all bioburden - blood, carbohydrates, protein, polysaccharides, fats, starches, oils, uric acid and other nitrogenous compounds
- Inhibits rust
- Biologically active additives speed the process of liquefaction and solubilization
- Safe for use on all surgical instruments and scopes/ will not harm any metals, plastic, rubber or corrugated tubing
- Low-foaming, neutral pH, non-abrasive, free rinsing and 100% biodegradable

ITEM#	RH-SURG250	RH-SURG4L	
SIZE	250ml	4L	

**Surgistain® is a safe, efficient and quick revitalizing solution for stainless steel surgical instruments, trays, basins and case carts.**

## FEATURES

- Mild acidic solution removes rust, stains, spotting and corrosion Restores instrument's original finish
- Non-corrosive; will not harm stainless steel
- Routine use of Surgistain® will enhance the life and efficiency of stainless steel instruments
- Restores articulation to box-locks and joints
- Prevents destructive pitting on ridges of micro and ophthalmic instruments
- Makes instruments look like new

## Cleaning and Maintenance Kit (CMK001)

Contains all the essentials to start an effective instrument cleaning and maintenance cycle:

- Prepclean
- Surgiglide Spray
- Endozyme 4l
- Nylon Brush
- Surgistain 250ml
- Stainless steel tray with Lid



## Instrument Maintenance Kit (IMK001)

Contains all you need to revitalise your instruments:

- Surgistain 250ml
- Surgiglide Spray
- Nylon Brush
- Stainless steel Kidney Dish

