



Clinical Guide to Instrument Pre-Cleaning with CERTOL ENZYME PRODUCTS

Personal protection during instrument decontamination:

- Cleaning process generates contaminated aerosols.
- Follow OSHA and JAHCO protocols: use personal protective equipment (PPE) – hair covering, goggles or eye glasses with side shields, face mask, gown, and utility gloves.

Pre-cleaning – don't delay!

- Human soils are sticky and dry quickly on instruments.
- Blood and other organic debris is salty and will lead to corrosion of expensive instruments.
- Organic debris left on instruments will interfere with access of sterilant (liquid chemicals, steam, etc.) to instrument surface.
- Gluteraldehyde and similar “cold sterilant liquid chemicals” are affected by residual soil.

Decontamination can start at point-of-use with ProEZ foam:

(labor & delivery, treatment or surgical suite, emergency room, and dental clinics)

- Sort and discard disposables; use designated pan or cart for pre-cleaning.
- Spray all instrument surfaces with **ProEZ foam**. Use plastic extender to place foam inside instrument lumens. **ProEZ foam** will keep surfaces moist, inhibit corrosion, and start soils breakdown.
- Rinse instruments to remove **ProEZ foam** prior to further processing.
- **ProEZ foam** eliminates weight and splashing associated with transport of contaminated items in pre-soak detergents.

Use ProEZ 1, ProEZ 2 or ProEZ AW Quad for liquid presoaking and ultrasonic cleaning:

- Organic enzymes are most effective at warmer temperatures – about 90 ° F,
- Enzymes are powerful yet are depleted quickly. Change soaking solution after each group of items.
- Sort contaminated items, segregate reusable sharp, bladed instruments to separate pan, open instrument box locks, restring instrument sets where possible and disassemble instruments with removable parts.
- Allow items to soak minimum of one to two minutes at 90 ° F or slightly longer if at room temperature.
- Flush enzyme solution through instrument lumens under the solution level. Manually clean items where needed with brushes.
- Rinse instruments thoroughly, aspirating rinse water through lumens and channels where necessary; air or towel dry, inspect for remaining debris or damage.



Recommended Applications for CERTOL Enzyme Detergents:

ProEZ foam ready to use spray instrument cleaner

- **Facilities requiring transport of contaminated instruments from treatment area to Central Processing.**
- **Start the cleaning process in OR, Outpatient Service, ER, Dental Clinics.**
- **Surgical centers with extended holding time until instruments can be processed.**
- **Contaminated items must be held overnight for next day decontamination.**

ProEZ foam – Spray this ready to use liquid enzyme cleaner onto trays of contaminated instruments. The special formula and applicator work together to produce a thick long lasting foam that starts the dual enzyme protease and amylase cleaning action while instruments are waiting for transport / delivery to final processing area. Foam helps disperse enzyme cleaning action into crevices. Prevents soils from drying on surfaces; reduces corrosion from the salts of human soils; inhibits odor; reduces accidents and injury from transporting pans of liquids. For overnight holding simply place a moist towel placed over tray of instruments previously covered with **ProEZ foam**.

ProEZ 1 Single Enzyme Detergent

- **High volume facilities with moderate instrument soils using manual or automated systems.**

ProEZ 1 single enzyme detergent is the economical choice. This versatile low foam detergent is ideal for manual cleaning, automatic washers, ultrasonics. Available with convenient unit dose pump on gallon container. Protease enzyme is effective at cleaning the most common blood soils. Formula includes surfactants, rinsing agents and anti-corrosives.

ProEZ 2 Dual Enzyme Detergent

- **Endoscopy including rigid and flexible scopes.**
- **Instrumentation used in orthopedic and gastroenterology.**

ProEZ 2 – dual enzyme low foam detergent features both protease and amylase enzymes to attack protein and starch soils. Ideal for both manual and automatic / ultrasonic cleaning in clinics with more challenging soils.

ProEZ AW Quad Enzyme No Foam Detergent

- **Standardize on a single product.**
- **Useful for both manual processing and automated high impingement washing systems.**

ProEZ AW Quad enzyme no foam detergent is the “**Everywhere, everyplace**” choice, featuring a unique formulation with protease, amylase, lipase and cellulase enzymes. Specific enzymes target specific soils making this product the best choice for cleaning complex sticky soils on gastrointestinal, orthopedic and endoscopic instrumentation. No foam formula enhances safety during manual cleaning. Sharp instruments are clearly visualized at the bottom of the pan, and enzyme cleaning action reduces manual scrubbing. Powerful preservatives maintain enzyme strength during storage. Enzyme cleaning power is enhanced by high levels of surfactants, chelating and rinsing agents plus an anti-corrosive system.