

ELEMENTUM AW

For use in Automatic Washers, Ultrasonics & Manual Cleaning

Item No. 54310

The only multi-tiered enzymatic detergent, optimized for the automatic, ultrasonic, and manual cleaning of surgical instruments and endoscopes

Featuring 4 new molecules of enzymes created for the medical device cleaning market

Carefully developed using all new protease, amylase, lipase, and cellulase enzymes, and synergistically blended to produce the most powerful detergent for use on clinically-used medical devices

*First and only enzymatic detergent to conform to ASTM D8179**

Best-in-class solution with superior soil penetration and suspension; rapidly breaks down tough-to-clean medical soils including the multi-layers of bioburden and prevents redeposition



Features

- Clinically tested for use in automatic and ultrasonic cleaning devices, as well as manual cleaning at the sink
- Enhanced enzymatic activity combined with super detergency rapidly removes protein-rich medical soils and bioburden
- Best in class:
 - Protease, Amylase, Lipase, and Cellulase Enzymes
 - Corrosion Inhibitors
 - Solubilizing and Soil Suspending Agents
 - Superior Water Softening
 - Advanced Detergency and Builders
- Instantly active; Constantly active; Begins cleaning on contact
- Low dilution rate: For automatic washers the detergent can be used as low as 1/8 oz. per gallon (1mL per liter)
- Highly effective in both hard and soft water and in all water temperatures
- Safe on all critical and semi-critical medical devices; will not harm any metals, plastic, rubber, corrugated tubing, glass or mirrors
- 8.5 pH, non-abrasive, very low-foaming, free-rinsing, non-corrosive, non-toxic, and environmentally friendly

DIRECTIONS FOR USE

Automatic Cleaning Devices

- Optimal cleaning performance at $\frac{1}{8}$ to $\frac{1}{2}$ oz/gal or 1 - 4 mL
- Optimal cleaning performance at 35°C - 55°C / 95°F – 131°
- Optimal cleaning performance in hard water is $\frac{1}{2}$ oz/gal or 4mL
- Can be used as low as 1ml/L depending on water conditions and cleaning cycle parameters

Optimal dosage depends on water hardness and level of contamination. Although Elementum AW is compatible with hard water, the use of deionized (DI) or reverse osmosis (RO) water optimizes overall cleaning performance.

Ultrasonic Cleaning Devices

1. Set dilution rate to $\frac{1}{4}$ oz per gallon (2ml/liter).
2. Start the ultrasonic cleaner.
3. Penetrates instantly with superior results within 5 to 10 minutes.
4. Discard used solution.

Manual Cleaning

(Works in all water temperatures. 25°-30°C / 77°-86°F is optimal.)

1. Add $\frac{1}{4}$ oz Elementum per gallon of water (2ml/liter).
2. Submerge instruments and appropriate scopes to be cleaned. For scopes: suction or flush through channels per scope manufacturer's instructions.
3. Soak for 2 minutes (up to 5 for heavily soiled instruments) to remove organic soils.
4. Rinse thoroughly with tap, distilled or sterile water.
5. Discard used solution.

*Standard Guide for Characterizing Detergents for the Cleaning of Clinically-Used Medical Devices
For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For Annual Book of ASTM Standards volume information, refer to the standard's Document Summary page on the ASTM website.

See SDS for any regulatory information, and GHS safety directions.