

# Kiyo-T<sup>TM</sup> Zyme

## Multi enzymatic cleaner



### Composition

### Action

Protease (Subtilisin)	Breaks peptide bond between amino acids & breaks down proteinaceous matter, tissues, blood, protein rich body fluids.
Lipase	Breaks down body lipids & fatty substances, cream, ointments.
Amylase	Breaks down carbohydrates, polysaccharides, saliva & mucus.
Cellulase	Breaks down cellulose, starchy matter, cell wall & cell membrane, faecal matter, medicinal powder & liquids.

**Biofilm represents a community of microorganisms attached and growing on a solid surface. Bacteria, fungi, yeasts, protozoa and other microorganisms may aggregate to form biofilm. Microorganisms are enveloped in an extracellular matrix of polymeric substances (EPS).**

Biofilm develops on virtually all surfaces (including, glass, plastics, metal,). The first microbes begin to synthesize an exopolysaccharide and proteic matrix (slime) that holds the biofilm together and helps in deposition of other cells by providing more varied adhesion sites. The compositions of extracellular polysaccharide matrix are different between microbe species and play an important role in determining the final architecture of biofilms. **The main component of bacterial extracellular matrix are Proteins, Carbohydrates, Lipids and Cellulose.**

**Bacteria within biofilms are up to 1,000 times more resistant to antimicrobials than are the same bacteria in suspension.** Biofilms have been found in dental unit waterlines and numerous medical devices (e.g., contact lenses, pacemakers, hemodialysis systems, urinary catheters, central venous catheters, endoscopes). Their presence can have serious implications for immune compromised patients and patients who have indwelling medical devices. Fortunately a more efficient, safe and environment friendly instrument cleaner **Kiyo-T Zyme is available that combines biofilm degrading & cleaning enzymes with detergent.**

### Salient Features :

- ▶ Cleans bioburden thoroughly from lumens, junction box, crevices and serrations
- ▶ Cleans biofilm EPS made by pathogens
- ▶ Broad spectrum material compatibility
- ▶ Neutral pH
- ▶ Rinsed off easily
- ▶ Flexible cleaning suitable for cleaning in immersion tray or ultrasonic machines.
- ▶ Low foaming solution
- ▶ Pleasant fragrance





## Directions For Use :

For cleaning of endoscopes, anesthesia equipments, dental & surgical instruments and medical devices, refer the dilution table.

Cleaning Method	Dilution: Water	Recommended soak time
Immersion Tray	8 ml per litre	20 - 30 mins
Ultrasonic	4 ml per litre	5 - 10 mins

Use luke-warm water (40°C to 50° C) for better cleaning result. For instruments with heavy and dried residue may require longer immersion time in tray. Rinse with water and dry the instruments after cleaning with **Kiyo-T Zyme** before disinfection or sterilization. Prepare fresh **Kiyo-T Zyme** working solution daily.

## The Best Way to Clean Instruments

A premium blend of 4 Enzymes with cleaners, penetrates into hard-to-reach places on surgical instruments & scopes. Loosens, disintegrates and dissolves soils. Efficiently cleans clogged channels, sticky biopsy forceps or clouded lenses, leaving both scopes and instruments free from bioburden, any unpleasant odours and biofilms.

## Broad Spectrum Material Compatibility

Compatibility includes aluminum, anodized aluminium, rubber stainless steel, corrugated tubing and plastics. This pH neutral enzymatic cleaning solution will safely clean various soiled instruments. It is compatible with metals and other materials used in medical instruments and is the best choice for cleaning delicate medical instruments, especially flexible endoscopes neutral pH solution with corrosion inhibitors makes it safe to use for cleaning of almost all instruments.

## Precautions

- For External Use only.
- Avoid direct contact with eyes & skin.
- Rinse with fresh water in case of contact
- Seek medical help in case of emergency.
- Keep out of reach of children
- wear mask, gloves etc.

## Product Specification :

pH	: 7.5 (Neutral)
Biodegradable	: 100%
Shelf life	: 2 years
Pack Size	: 1 litre

## Areas of Application:

1. CSSD
2. OT
3. Surgical Unit
4. Dental Clinics
5. Endoscope
6. Microbiology
7. ENT Department etc.



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