

Zymokleen™

Multi-Enzymatic Instrument Cleaner

Active Ingredients & Action

Protease (Subtilisin): Breaks peptide bond between amino acids and also breaks down proteinaceous matter, tissues, blood, protein rich body fluids.

Lipase: Breaks down body lipids and fatty substances.

Amylase: Breaks down carbohydrates, polysaccharides, saliva and mucus.

Cellulase: Breaks down cellulose, starchy matter, cell wall, cell membrane, faecal matter, medicinal powder and liquids.

Corrosion Inhibitors

About

Zymokleen has been formulated with an exceptional blend of four enzymes and cleaner that penetrates into hard-to-reach places on surgical instruments and scopes. Zymokleen loosens, disintegrates and dissolves organic soils. It efficiently cleans clogged channels, sticky biopsy forceps or clouded lenses, leaving both scopes and instruments free from bioburden and biofilms. Zymokleen is a low-foaming solution for use in manual reprocessing and automated systems. It is compatible with wide range of materials like brass, copper, stainless steel, a variety of polymers, rubber, corrugated tubing and plastic.

Broad Spectrum Material Compatibility

Compatibility includes aluminium, 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.

Salient Features

- ✓ Cleans bioburden thoroughly from lumens, junction box, crevices and serrations
- ✓ Cleans biofilm constituted of EPS (Extracellular Polymeric Substances)
- ✓ Superior material compatibility
- ✓ Neutral pH
- ✓ Rinses off easily
- ✓ Suitable for cleaning in immersion tray or ultrasonic machines
- ✓ Low foaming solution
- ✓ Pleasant fragrance



- ✓ Neutral pH
- ✓ Low Foaming
- ✓ Biodegradable
- ✓ Non Corrosive

Suitable for manual & automatic methods
of instrument cleaning



Redefining Hygiene...

Directions For Use

Step 1: Rinse thoroughly the medical device with water, the internal and external parts of the medical device.

Step 2: Immerse in Zymokleen solution as per below dilution for stipulated time.

Cleaning Method	Degree of Biological contamination on instruments	Dilution Rate Water	Max recommended soak times (ideal water temp:30°-40°c)
Manual	Heavy	10ml per litre (1:100)	10 - 15 minutes
	Moderate	7.5ml per litre (1:150)	8 minutes
	Light	5ml per litre (1:200)	4 - 5 minutes
Ultrasonic Bath	Light to Heavy	5 - 7.5ml per litre	2 - 10 minutes
Automatic Washer Disinfecter	Light to Heavy	2 - 3ml per litre	Cleaning Cycle at 40°C
Automatic Endoscope Reprocessor	Light to Heavy	3ml per litre	Cleaning Cycle at 40°C

Step 3: Rinse thoroughly with water. For endoscopic equipment: the internal and external parts of the medical device.

Instrument Cleaning:-

Thorough cleaning is required before high-level disinfection and sterilization because inorganic and organic materials that remain on the surfaces of instruments interfere with the effectiveness of these processes. Also, if soiled materials dry or bake onto the instruments, the removal process becomes more difficult & the disinfection or sterilization process less effective or ineffective. Surgical instruments should be presoaked or rinsed to prevent drying of blood and to soften or remove blood from the instruments.

Ref. CDC Guidelines for Disinfection and Sterilization in Healthcare Facilities.

Step 4: Dry with a single-use towel. Keep the medical device as aseptically as possible upto use it again.

Precautions: Rinse the instruments with water before immersing into the enzymatic cleaning solution and also after removing it from the enzymatic solution.

Areas of Applications

- ✓ Instruments made of brass, copper, stainless steel, a variety of polymers, rubber, corrugated tubing and plastic.
- ✓ Rigid and flexible endoscopes.



Biofilm Facts

Bacteria, fungi, yeasts, protozoa and other microorganisms may aggregate to form biofilm.

Biofilm develops virtually on all surfaces (including glass, plastic and metal). Initially microbes begin to synthesize an exopolysaccharide and protein matrix (slime) that holds the biofilm together and helps in deposition of other cells by providing more varied adhesion sites.

Microorganisms are enveloped in an Extracellular Polymeric Substances (EPS) mainly made up of Proteins, Carbohydrates, Lipids and Cellulose.

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 etc). Their presence can have serious implications for immune compromised patients and patients who have indwelling medical devices.

Ref. CDC – Guideline for Disinfection and Sterilization in Healthcare Facilities.

Product Specification

Colour : Purple

Shelf life: 3 years

Pack Size : 500ml, 1L & 5L

A product of:

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