



## Viruzyme<sup>®</sup> Eco

# A Triple-Enzyme Biological Cleaner for Endoscopes & Medical Equipment

## Technical Information

### Description & Application:

Viruzyme Eco Detergent is a new biological cleaner using a blend of three enzymes with synergistic surfactants that is designed for the manual and ultrasonic decontamination of medical, surgical, dental and endoscopic instruments; removes high levels of proteins, fats and other organic material from instruments and equipment. Its triple enzyme formulation dissolves and removes all types of protein and organic material, even dried on blood and tissue.

Viruzyme Eco is registered as a Class I Medical Device.

Viruzyme Eco is a neutral formulation that is safe to use on any surface.

Primary features attributable to Viruzyme Eco are:

- Highly effective biological cleaner for removal of proteinaceous and organic contaminants from sensitive instrument materials ;
- Uses a blend of proteolytic, amylase and lipase enzymes that have added safety:
  - Low toxicity;
  - Pleasant odour;
- Reduced instrument damage and repair:
  - Excellent material compatibility;
  - Non-fixative;
  - Non-corrosive, will not damage delicate coatings.
- Compatible with hard water.
- Free rinsing

### Applications

Viruzyme Eco is ideal for removing biohazards from medical instruments, endoscopes and other equipment used in hospitals, health centres, dentists and laboratories.



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Certificate No. GB06/69739

**Infection  
Controlled**

## **Compatibility**

Viruzyme Eco is compatible with a wide range of fabrics, rubbers, plastics and hard surface materials and will not attack metal surfaces if used in accordance with standard recommendations, infection control practises at the recommended dilution rate and contact time.

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## **Health and Safety**

Viruzyme Eco is not flammable and is biodegradable.

Viruzyme Eco is certified as being non-hazardous when diluted and used according to the specified user directions.

The neat product is classed as being Irritant and contact with skin and eyes should be avoided.

The enzyme organisms used in the formulation are naturally occurring and are known to be non-pathogenic to humans and animals.

See Material Safety Data Sheets for details.

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## **Typical Properties**

Appearance	Clear turquoise liquid
Odour	Pleasant fresh odour
pH,	9 units (neat), 7.9 units (1% solution)
Density, g/cm <sup>3</sup> @ 20 °C	1.05 (neat)
Solubility in water	Completely miscible

**Shelf Life:** Concentrate – 2 years in unopened original containers when stored between 5 °C and 25 °C out of direct sunlight.

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## **Directions for Use**

Viruzyme Eco is supplied as a concentrated product that requires dilution prior to use.

### **Application:**

#### **For Manual/Ultrasonic Cleaning of instruments and equipment:**

For cleaning applications, dilute 1 part Viruzyme Eco concentrate in 200 parts water (i.e. a 0.5% solution or 5ml/Litre)

Note Greater strengths of up to 2% Viruzyme Eco concentrate (i.e. 1 part in 50 parts water or 50ml/Litre) may be used where high levels of contaminants or where difficult or hazardous contaminants may be present.

Soak parts for between 5 and 10 minutes in the diluted Viruzyme Eco solution (allow longer times up to 20 minutes when dealing with dried on proteinaceous deposits or if low solution temperatures are employed).

After soaking, rinse off thoroughly with clean water.

Viruzyme Eco is not a disinfectant and parts should proceed to disinfection or sterilisation by appropriate methods immediately following cleaning.

#### **General:**

Enzyme activity increases with increased water temperature but temperature above 55 °C should be used with caution as these may destroy the enzyme content.

For maximum effectiveness, the Viruzyme Eco solution should be replaced at least daily or when the observed cleaning action falls off.

Do not add other cleaning agents to the Viruzyme Eco solution as they can seriously impair performance of the Viruzyme Eco cleaner.

### **Disposal of spent solutions:**

Flush to drain with copious water or soak up onto inert material and dispose of with clinical waste  
Product is biodegradable under OECD conditions.

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## **CONTACT DETAILS:**

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For any further information, please contact your distributor or Amity.

In the event of any technical queries, please contact:  
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## **Packaging Details:**

Viruzyme Eco is available in the following packaging.

- 1 L container (available on request)
- 5 L container
- 10 L container (available on request)
- 25 L container (available on request)
- 210 L container (available on request)
- 1,000 L IBC container (available on request)