



Viruzyme[®] III

A Protolytic Triple-Enzyme Biological Cleaner for Manual Cleaning of Endoscopes & Medical and Dental Equipment Technical Information

Description & Application:

Viruzyme III is a new biological detergent 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 III formulation is a highly effective and safe process for the manual and ultrasonic cleaning of endoscopes, medical, dental and delicate instruments against a wide range of contaminants.

Viruzyme III is registered as a Class I medical Device

Viruzyme III is a neutral formulation that is safe to use on any surface and offers particular benefits where autoclave and automated decontamination cannot be used, e.g. optic probes.

Primary features attributable to Viruzyme III are:

- Highly effective biological cleaner for removal of proteinaceous and organic contaminants from sensitive instrument materials ;
- Uses a blend of protolytic, 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 and low foaming

Applications



Certificate No. GB06/69741



Certificate No. GB06/69740



**Infection
Controlled**

Viruzyme III is ideal for removing bioburden from metallic, glass and plastic medical and dental instruments, rigid and flexible endoscopes and other equipment used in hospitals, health centres, dentists and laboratories by manual and ultrasonic methods.

Viruzyme III is effective against blood, tissue residues, proteins, mucus, faeces and other contaminants.

Order Information

Viruzyme III is normally available with a naturally odour but it can be made available as a fragrant grade on special request.

4 versions are currently available to order:

- Lavender version order code - L
- Lemon version order code – LE
- Orchid version order code - O
- Pine version order code - P

Users should specify the required fragrance at time of order otherwise the non-fragrant version will be supplied. (Note a minimum order quantity may apply)

Compatibility

Viruzyme III 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 instructions for use.

Health and Safety

Viruzyme III is biodegradable.

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

See Safety Data Sheets for details.

Typical Properties

Appearance	Clear blue coloured liquid
Odour	Pleasant Odour
pH,	8.5 units (Neat solution)
Density, g/cm ³ @ 20°C	1.07 (neat)
Solubility in water	Completely miscible
Flash Point (Abel closed cup)	None

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

Directions for Use

Viruzyme III 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 III concentrate in 200 parts clean towns water (i.e. a 0.5% solution or 5ml/Litre)

Note Greater strengths of up to 2% Viruzyme III (i.e. 1 part in 50 parts water or 20ml/Litre) may be used where high levels of contaminants or where difficult or hazardous contaminants may be present.

Soak parts for 10 minutes in the diluted Viruzyme III solution (allow 3 minutes if using ultrasonic agitation) using a solution temperature of between 20°C and 40°C.

Ensure that all spaces and recesses are completely filled with cleaning fluid and no air pockets exist. Tenacious deposits may require longer reaction soak times and/or application of surface mechanical agitation by means of sponge or brush.

After soaking, rinse off thoroughly with clean water or transfer to the next cleaning stage e.g. manual cleaning, washer/disinfector or ultrasonic equipment.

Note: Poor quality rinsing equipment may cause formation of foam problems in the washer/disinfector.

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

General:

Initial rinse temperature should be below 35°C otherwise the temperature may bake on protein contaminants rendering them more difficult to remove.

Enzyme activity increases with increased water temperature up to a maximum temperature of 55°C.

A policy to carefully monitor the above will help to reduce any potential problems.

For maximum effectiveness in Ultrasonic and manual soaking applications, the Viruzyme III solution should be replaced at least daily or when the observed cleaning action falls off.

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

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 III is available in the following packaging.

- 1 L container (available on request)
- 5 L container
- 210 L drum (available on request)