



Amzyme 3

A low-foam enzymatic detergent for AERs & washer disinfectors systems

Technical Information

Description & Application:

Amzyme 3 is for use in washer/disinfectors, AER (Automated Endoscope Reprocessor) and other automated decontamination systems. Amzyme 3 is a biological detergent using a blend of three enzymes with synergistic surfactants that is designed for the automated 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. It is a concentrated enzymatic detergent with a wide material compatibility which gently removes blood, proteins, mucus and tissue residues.

This chemistry has been specially developed for the gentle cleaning of delicate surgical instruments, utensils, anaesthesia and endoscope material, allowing simultaneous reprocessing of instruments made of different materials. It has optimal cleaning performance at temperatures of 50-60°C but for endoscopes temperature should not exceed 55°C and can be used for the following: stainless steel instruments (scalpels, tweezers etc.), articulated instruments (scissors, clamps etc.), ward utensils (bowls, feeding bottles etc.), anaesthesia utensils (breathing balloons, tubes etc.), shoes of the surgical team, transport containers made of stainless steel as well as aluminium and endoscopes.

Primary features attributable to Amzyme 3 are:

- Low-foam enzymatic detergent cleaner;
- Suitable for removal of contaminants from sensitive instrument materials ;
- Uses a blend of proteolytic, amylase and lipase enzymes, complexing and sequestering agents, detergents and corrosion inhibitors that are effective in hard and soft water areas;
- Reduced instrument damage and repair:
- Excellent material compatibility;
- Non-fixative;
- Prevents re-deposition of contaminants and water mark staining;
- Non-corrosive, will not damage delicate coatings.
- Cost effective;
- Can be used with tap water (saves DI/RO water cost)
- Can be used without neutralizer
- Good cleaning power even at low dosage



Certificate No. GB06/69741



Certificate No. GB06/69740



**Infection
Controlled**

Applications

Amzyme 3 is ideal as a cleaner in AERs and washer/disinfector equipment.

Amzyme 3 is suitable for automated reprocessing of flexible endoscopes, surgical instruments and anaesthesia material, including:

- Stainless steel and articulated instruments (scalpels, tweezers, scissors, clamps, etc.)
- Ward utensils (bowls, feeding bottles etc.)
- Anaesthesia utensils (breathing balloons, breathing tubes etc.)
- Operating Theatre shoes of the surgical team
- Transport containers made of stainless steel as well as aluminium
- Flexible and rigid endoscopes

Compatibility

Amzyme 3 is a neutral cleaner with a broad material compatibility.

However, if there are any concerns then parts should be tested for compatibility prior to processing.

Health and Safety

Amzyme 3 is biodegradable.

The product is classed as Corrosive to skin and eyes and contact with these should be avoided.

See Safety Data Sheets for details.

Typical Properties

Appearance	Pale brown liquid
Odour	Odourless
pH,	9.8 units (neat solution)
Density, g/cm ³ @ 20 °C	1.04(neat)
Solubility in water	Complete
Flash Point (Abel closed cup)	None

Shelf Life: Concentrate – Not less than 2 years in unopened original containers when stored between 5°C and 25°C out of direct sunlight.

Directions for Use

Amzyme 3 is supplied as a concentrated product and should be diluted prior to use.

For Automated Cleaning of instruments and equipment:

Injectors should be adjusted to deliver at 5 - 10ml per litre of water dependant on the expected soil loading of the contaminated equipment and the temperature of the water.

Phase	Water type	Time	Temp.	Solution	dosage
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Prewash	Cold tap water	3 min	-	-	-
Wash	Hot tap water	10 min	55°C	Amzyme 3	5 - 10ml/L (0.5 -1%)
Rinse	Hot water	1 min	-	-	-
Rinse	DI water	1 min	-	-	-
Thermo disinfection	DI water	3 min	93°C	Virudet NDA	0.5ml/L or 0.05%
Drying		15 min	110°C		

For thermal disinfection please follow the actual countries rules

Drying time and temp according to the machine manufacturer

General Notes:

Amzyme 3 is not a disinfectant and parts should proceed to disinfection or sterilisation by appropriate methods immediately following cleaning.

Amzyme 3 should be used at temperatures of 50 - 60°C in AERs and washer/disinfector machines.

Neutralisation following cleaning is not required if the above post cleaning rinse cycle is employed.

Do not add non recommended cleaning agents to the Amzyme 3 solution as they can seriously impair performance of the cleaner.

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 60°C.

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



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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:

Amzyme 3 is available in the following packaging.

- 5 L container (case of 4 x 5L)
- 10 L container (available on request)
- 25 L container (available on request)
- 200 L drum (available on request)
- 1,000 L IBC (available on request)