

## ENZYMATICS

# VIRUZYME® N

## NEUTRAL ENZYMATIC BIOLOGICAL CLEANER

Viruzyme® N is a neutral enzymatic detergent for use manually or in washer/disinfectors, endoscope reprocessors & decontamination systems.

It is a neutral enzymatic detergent formulated to wash instruments that may be damaged by highly alkaline chemistries. It provides superior cleaning action without foaming or causing corrosion on instruments or washer/disinfectors and has a wide material compatibility. It is compatible with stainless steel, aluminium, anodised aluminium, chromium-plated material, synthetic materials, rubber, latex, glass and ceramics.

Viruzyme® N is particularly effective for the removal of protein and organic contaminants from surfaces, including dried on blood and tissue.

Viruzyme® N is registered as a Class I medical Device

It is safe to use on any surface and has an effective cleaning action during the manual or automated reprocessing of endoscopes. Use in sinks or during stage 1 in endoscope washer/disinfectant equipment when used in combination with a disinfection agent such as Virusolve®+ EDS Auto, Amity PAA 15 or Amity PAA 5 System.



### Primary features attributable to Viruzyme® N are:

- Biological cleaner suitable for removal of proteinaceous and organic contaminants from sensitive instrument materials.
- Uses a blend of protease enzymes and synergistic surfactants.
- Pleasant odour.
- Excellent material compatibility.
- Non-fixative.
- Free Rinsing.

### Packaging

- 1 L container
- 5 L container
- 10 L container
- 25 L container
- 200 L drum
- 1,000 L IBC

Viruzyme® N is a biological cleaner using proteolytic enzymes that is designed for the automated and manual decontamination of medical, surgical, dental and endoscopic instruments and utensils.

## Application

For Automated and Manual Cleaning of Instruments and Equipment:

Injectors should be adjusted to deliver between 4 - 10 ml per litre of water (i.e. between 0.4 and 1% solution) dependant on the expected soil loading of the contaminated equipment and the temperature of the water.

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

Automated Cleaning Cycle	Phase	Water Type	Time	Temp	Solution	Dosage
	Pre-Wash	Cold Tap Water	3 min			
	Wash Step	Hot Tap Water	5 min	≤55°C	Viruzyme N	4-10ml/L or 0.4 - 1%
	Intermediate Rinse	Hot Water	2 min			
	Rinse	DI or RO Water	2 min			

Manual / Ultrasonic Cleaning	Manual Soak	Warm Tap Water	10-20 min	20-50°C	Viruzyme N	4-10ml/L or 0.4 - 1%
	Ultrasonic	Warm Tap Water	3 min	20-40°C	Viruzyme N	4-10ml/L or 0.4 - 1%
	Rinse	Rinse thoroughly with clean water or transfer to next cleaning stage				

AER	Pre-Wash	Cold Tap Water	3 min			
	Wash Step	Hot Tap Water	5 min	≤55°C	Viruzyme N	4-10ml/L or 0.4 - 1%
	Rinse	Water	2 min			
	HLD	DI or RO Water	5-10 min	20°C 25°C 30°C	Virusolve+ EDS Auto Amity PAA 15 Amity PAA 5 System	25ml/L 10ml/L 20ml/L part A&B
	Rinse	DI or RO Water	2 min			

## Viruzyme® N Properties

Viruzyme® N is biodegradable.

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

Viruzyme® N is intended for manual & machine use.

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 Material Safety Data Sheets for details.

Appearance	Blue liquid
Odour	Pleasant odour
pH	9.0 units (Neat solution)
Density g/cm <sup>3</sup> @ 20°C	1.09 (neat)
Solubility in water	Completely miscible
Flashpoint (Abel closed cup)	None



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