



## Virudet N

# A neutral low-foam cleaner for AERs & washer disinfectant systems

## Technical Information

### Description & Application:

Virudet N is for use in washer/disinfectors, AER (Automated Endoscope Reprocessor) and other automated decontamination systems and manual cleaning. Virudet N is a neutral, concentrated detergent with a wide material 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 55-80°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:

- Neutral low-foam detergent cleaner;
- Suitable for removal of contaminants from sensitive instrument materials ;
- Uses a blend of 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 – improved staff productivity, more flexible;
- Can be used with tap water (saves DI/RO water cost)
- Can be used without neutralizer
- Good cleaning power even at low dosage

### Applications

Virudet N is ideal as a cleaner in AERs and washer/disinfectant equipment.

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



Certificate No. GB06/69741



Certificate No. GB06/69740



**Infection  
Controlled**

- 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**

Virudet N 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**

Virudet N 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 <sup>3</sup> @ 20 °C	1.03 (neat)
Solubility in water	Complete
Flash Point (Abel closed cup)	None

**Shelf Life:** Concentrate – Not less than 3 years in unopened original containers when stored between 5°C and 30°C out of direct sunlight.

## **Directions for Use**

Virudet N is supplied as a concentrated product and should be diluted prior to use.

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

For cleaning applications, dilute 1 part Virudet N in 100 parts water (i.e. a 1% solution; 10ml/L).

Soak parts for between 5 and 15 minutes in the diluted Virudet N solution at between 50°C to 60°C (allow longer times up to 15 minutes when dealing with dried on proteinaceous deposits).

Note: soak times may vary according to the temperature used and the nature of the contaminants.

After soaking, rinse off thoroughly with clean water (temperature > 40°C) or transfer to the next cleaning stage e.g. manual cleaning, washer/disinfector or ultrasonic equipment.

**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
Prewash	Cold tap water	3 min	-	-	-
Wash	Hot tap water	10 min	55°C	Virudet N	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:**

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

Virudet N should not be used at temperatures of less than 55°C in AERs and washer/disinfector machines.

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

For maximum effectiveness in Ultrasonic or other soaking applications, the Virudet N solution should be replaced at least daily or when the observed cleaning action falls off.

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

For increase the cleaning power, Virudet N can be safely used in combination with enzymatic boosters in automated reprocessing equipment with improved performance over many products. For details refer to Duo System data sheet.

Dosage over 35°C prevents foam problems.

## **CONTACT DETAILS:**

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## **Packaging Details:**

Virudet N is available in the following packaging:

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