



Virudet[®] +

An Alkaline Detergent Cleaner for Medical Instruments and Utensils

Technical Information

Description & Application:

Virudet+ is a powerful alkaline detergent for use in ultrasonics, washer/disinfectors & other automated decontamination systems. It is a powerful alkaline cleaning concentrate designed to remove organic soils which have not been effectively addressed by neutral or enzymatic detergents. Its unique silicate stabilising system prevents discolouration of instruments and washer/disinfector chambers and can be used in all water conditions. It can be used for reprocessing: stainless steel, aluminium, chromium-plated materials, synthetic materials, rubber, latex, glass and ceramics.

Virudet+ does not contain any hazardous components and is a highly effective and safe process for the cleaning against a wide range of protein and organic contaminants from surfaces, including dried on blood and tissue.

Virudet+ is registered as a Class I medical Device

It is safe to use on any surface and has an effective cleaning action in manual, ultrasonic and automated washer/cleaning equipment.

Primary features attributable to Virudet+ are:

- Powerful alkaline detergent cleaner suitable for removal of contaminants from sensitive instrument materials ;
- Uses a blend of alkalis, complexing and sequestering agents, detergents and corrosion inhibitors that are effective even in hard water areas;
- Has added health and environmental safety – NTA and EDTA free:
- 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;
 - Uses tap water (no need for deionised/distilled/reverse osmosis water supply);
 - Can be used without the need for neutralisation;
 - High cleaning power at low dosage levels;
 - Reduced wash time (typical 5 minutes).



Certificate No. GB06/69741



Certificate No. GB06/69740



**Infection
Controlled**

Applications

Virudet+ is a powerful alkaline cleaning agent that is ideal for ultrasonic and automated reprocessing of medical devices such as medical instruments and other equipment used in hospitals, health centres, dentists and laboratories.

Compatibility

Virudet+ is compatible with stainless steel, chromium plated metals, plastics, rubber, glass and ceramic surfaces.

Coloured instruments and parts made from aluminium should be reprocessed at maximum temperature of 60°C.

Attention should also be paid to information provided by the manufacturer of the medical device to be cleaned (as required by EN ISO 17664)

Health and Safety

Virudet+ is not flammable and is fully biodegradable.

Virudet+ is intended for machine use only.

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

See Safety Data Sheets for details.

Typical Properties

Appearance	Clear pale yellow liquid
Odour	odourless
pH,	12.6 units (neat solution) 11.9 units (10% solution) 11.5 units (1% solution)
Density, g/cm ³ @ 20 °C	1.43 (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+ is supplied as a concentrated product that requires dilution prior to use.

The dilution is dependant on the hardness of the water and the nature and degree of the contaminants.

The use of higher temperatures in the cleaning cycle will improve the cleaning power of the Virudet+ detergent.

Application:**For Ultrasonic Cleaning of instruments and equipment:**

For cleaning applications, dilute 1 part Virudet+ concentrate in 200 parts water (i.e. a 0.5% solution)

Note Greater strengths of up to 1% Virudet+ (i.e. 1 part in 100 parts water) may be used where high levels of contaminants or where difficult or hazardous contaminants may be present.

Soak parts for between 5 and 15 minutes in the diluted Virudet+ 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 ml per litre of water (i.e. 0.5% solution).

The recommended cleaning cycle is set out below:

Phase	Water type	Time	Temp.	Solution	dosage
Pre-wash	Cold tap water	3 min	-	-	-
Wash or Wash	Hot tap water DI water	5 min 5 min	60 - 80°C	Virudet+ Virudet+	5ml/L or 0.5% 3ml/L or 0.3%
Rinse	Hot water	1 min	-	-	-
Rinse	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+ is not a disinfectant and parts should proceed to disinfection or sterilisation by appropriate methods immediately following cleaning.

Virudet+ should not be used at a temperature less than 60°C in washer/disinfector machines.

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

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

Do not add other cleaning agents to the Virudet+ solution as they can seriously impair performance of the 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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Packaging Details:

Virudet+ is available in the following packaging.

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