



Virudet[®] Eco

An Lower Cost Alkaline Detergent Cleaner for Medical Instruments and Utensils

Technical Information

Description & Application:

Virudet Eco is a lower cost Exceptional cleaning performance and protection for automated cleaning processes. An alkaline cleaner that is specifically designed for automated decontamination of medical devices such as surgical instruments, anaesthetic and breathing utensils, ward instruments and utensils, MIS and MIC instruments, trolleys and stainless steel components baby bottles and OR shoes (CSSD).

Virudet Eco 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 and is effective against prions.

Virudet Eco is registered as a Class I medical Device

It has an effective cleaning action in manual, ultrasonic and automated washer/cleaning equipment.

Primary features attributable to Virudet Eco are:

- Highly alkaline detergent cleaner suitable for removal of contaminants from sensitive instrument materials;
- Uses a formulation that is free from phosphate, NTA and EDTA components.
- Highly effective even in hard water areas;
- Reduced instrument damage and repair:
 - Excellent material compatibility;
 - Non-fixative;
 - Prevents re-deposition of contaminants and water mark staining;
 - Non-corrosive at working strength and 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 Eco is a powerful highly 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 Eco is compatible with stainless steel, chromium plated metals, plastics, rubber, glass and ceramic surfaces.

The concentrate will attack aluminium and alkali sensitive parts, however when diluted to the recommended usage strength then Virudet Eco solution poses no risk to aluminium surfaces when used at a maximum temperature of 60°C.

Coloured instruments should be avoided and a neutral product such as Virudet Duo, Viruzyme or Viruzyme N be used.

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 Eco is biodegradable.

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

See Safety Data Sheets for details.

Typical Properties

Appearance	Clear pale straw liquid
Odour	Slight detergent odour
pH,	13.5 units (neat solution) 11.9 units (1 % solution) 11.4 units (0.4% solution)
Density, g/cm ³ @ 20 °C	1.06 (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 25 °C out of direct sunlight.

Directions for Use

Virudet Eco is supplied as a concentrated product that requires dilution prior to use.

The dilution is dependent on the nature and degree of the contaminants.

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

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

For cleaning applications, dilute 1 part Virudet Eco in 250 parts water (i.e. a 0.4% solution)

Note Greater strengths of up to 0.6% Virudet Eco (i.e. 1 part in 165 parts water) may be used where high levels of contaminants or where difficult or hazardous contaminants may be present.

Soak parts for between 1 and 10 minutes in the diluted Virudet Eco 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 4 ml per litre of water (i.e. 0.4% solution).

The recommended cleaning cycle is set out below:

Phase	Water type	Time	Temp.	Solution	dosage
Pre-wash	Cold tap water	3 min	-	-	-
Wash	Hot tap water or DI/RO Water	5 min	50 to 70°C	Virudet Eco	2.5 to 4 ml/L (0.25 to 0.4%)
Rinse	Hot tap water	1 min	-	-	-
Rinse	Cold tap water	1 min	-	-	-
Thermo disinfection	DI water	3 min	93°C	Virudet NDA	0.5ml/L or 0.05%
Drying		15 min	110 to 115°C		

For thermal disinfection please follow the actual countries rules

Drying time and temp according to the machine manufacturer

General Notes:

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

Virudet Eco should not be used at a temperature less than 50°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 other soaking applications, the Virudet Eco solution should be replaced at least daily or when the observed cleaning action falls off.

Do not add other cleaning agents to the Virudet Eco 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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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:

Virudet Eco is available as a concentrate in the following packaging:

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