

# Mild Alkaline Enzyme Cleaner

Order details: 5 / 10 / 20 / 210 / 1,000 litres



## A mild alkaline enzymatic cleaner for automated and manual cleaning

Belimed Protect™ CLEAN MAE is a mild alkaline enzymatic detergent for use in washer-disinfectors, endoscope reprocessors and decontamination systems and ultrasonic cleaners, as well as for manual decontamination.

This formulation provides superior cleaning action without foaming, while its mild alkaline pH is designed to be compatible with a wide variety of materials with delicate surfaces.

Belimed Protect™ CLEAN MAE is particularly effective for the removal of proteins and organic contaminants from sensitive surfaces, including dried blood and tissue, thanks to its 5 enzyme (blend of protease, amylase, lipase, cellulase and mannanase) alkaline formula.

Belimed Protect™ CLEAN MAE is a registered Class I medical device.

### Applications

Belimed Protect™ CLEAN MAE is ideal for removing bioburden from medical instruments, endoscopes and other equipment, including those with delicate or sensitive surfaces that are used in hospitals, health centres, dentist offices and laboratories. Fulfils the current recommendations of the German Robert-Koch-Institute (RKI) for minimising the transmission risk of the new variant of the Creutzfeldt-Jakob Disease (vCJD) when reprocessing medical devices.

### For Flexible Endoscope Reprocessing

Wear appropriate personal protective equipment (PPE) and follow the reprocessing recommendations of the endoscope manufacturer.

1. Pre-clean in the examination room immediately after the examination.
2. Thoroughly manually clean in the reprocessing room, followed by a thorough rinse with water.
3. Machine reprocess in an automated endoscope reprocessor (AER).  
Recommended for use in all Belimed AERs.  
For automated cleaning:  
Belimed Protect™ CLEAN MAE  
Belimed Protect™ CLEAN NE  
For automated chemical disinfection:  
Helimatic® Disinfectant  
Belimed Protect™ PAA 15  
Allow to dry completely, then proceed with low-temperature sterilization (if available and required).
4. Store according to the specifications of your health care facility (e.g. storage/drying cabinet).

### ITS PRIMARY FEATURES

- Biological cleaner suitable for removing proteinaceous and organic contaminants from sensitive instrument materials
- No foaming
- Suitable for manual, ultrasonic, washer-disinfector and AER equipment
- Uses a blend of five enzymes and synergistic surfactants that have added safety:
  - Pleasant odour
  - Non-fixative
  - Non-corrosive and gentle pH
  - Highly effective cleaning action

### Directions for use

Please follow the manufacturer's recommendations for the reprocessing of medical devices according to EN ISO 17664. For more details regarding instrument reprocessing, please visit [www.a-k-i.org](http://www.a-k-i.org).

### General

Enzyme activity increases with increased water temperature up to a maximum temperature of 60 °C.

Do not add other cleaning agents to the Belimed Protect™ CLEAN MAE solution, as they can seriously impair the cleaning performance.

Product Description	Belimed Protect™ CLEAN MAE
Dilution	For WD: 2–10 ml/l For ultrasonic/manual use: 2–10 ml/l Slightly soiled: 2–3 ml/l Moderately soiled: 4–6 ml/l Heavily soiled: 7–10 ml/l
Operational temperature Exposure time	30–60 °C 5–10 min
CE Mark	Fulfils the requirements of European Regulation (EU) 2017/745
Appearance	Pale blue liquid
pH	10.5 (neat solution)
Storage conditions	5–25 °C
Shelf life	24 months
Disposal instructions	See Safety Data Sheet

## Product properties overview

This table is for guidance only.

	Intended use								Microbicidal spectrum						pH value*		
	Medical device cleaning	Medical device disinfection	Medical device maintenance/care	Bedpan machine cleaning	For glassware	For thermolabile instruments	For flexible endoscopes	Manual reprocessing of medical devices	Bactericidal (all vegetative bacteria incl. multi-resistant bacteria, e.g. MRSA, VRE or ESBL)	Levurocidal (yeasts)	Fungicidal (fungi)	Mycobactericidal (e.g. tuberculosis bacteria)	Virucidal for enveloped viruses (incl. HBV, HCV and HIV)	Fully virucidal (enveloped and nonenveloped viruses, e.g. papillomavirus or parvovirus)	Mild alkaline	Neutral	Acidic
<b>Belimed Protect™ CLEAN</b>																	
CLEAN MAE	•				•	•	•	•							•		
CLEAN NE	•				•	•	•	•								•	
CLEAN MA	•				•	•									•		
CLEAN Pre Treat	•		•		•										•		
<b>Belimed Protect™ SAFE</b>																	
Helimatic® Disinfectant		•				•	•		•	•	•	•	•	•		•	
Cleaner and Disinfectant	•	•							•	•		•	•			•	
PAA 15		•				•	•		•	•	•	•	•	•			•
<b>Belimed Protect™ NEUTRA</b>																	
NEUTRA-1			•		•												•
<b>Belimed Protect™ BRIGHT</b>																	
BRIGHT RDA			•		•											•	
BRIGHT BP				•													•
<b>Belimed Protect™ CARE</b>																	
CARE Lubricant WD			•													•	
CARE SR			•														•

\* Ready-to-use solution

## Disposal of spent solutions

Flush to drain with copious water or soak up onto an inert material and dispose of with clinical waste. Product is biodegradable under OECD conditions.

## Health and safety

- Belimed Protect™ CLEAN MAE is biodegradable.
- Belimed Protect™ CLEAN MAE is certified as non-hazardous when diluted and used according to the specified user directions.
- The enzymes used in the formulation are naturally occurring and are known to be non-pathogenic to humans and animals.
- See Safety Data Sheets for details.

## Associated products and services

The Belimed Protect™ range of chemicals has been developed and validated with Belimed washer-disinfectors and AERs to meet the cleaning efficacy requirements of medical devices according to the consistent and repeatable standards outlined in EN ISO 15883. For further support regarding the optimization of your cleaning process and/or troubleshooting, please contact your local Belimed representative.

## SYMBOLS AND COLOUR CODING SYSTEM

### Symbols – recommended use



For automated reprocessing in WDs and AERs



For manual reprocessing



Safe for use with flexible endoscopes

### Colour coding system – product category



For cleaning



For rinsing and drying



For disinfecting



For maintenance and care



For neutralizing



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