

ANIOSYME

XL3

PRE-DISINFECTION
OF THE FUTURE...

COMING TO ALL DISINFECTION ROOMS SOON

PROTEASE

AMYLASE

MANNANASE

NEW GENERATION OF ACTIVE SUBSTANCES

SYNOPSIS

UNIQUE, INNOVATIVE FORMULA, developed by Laboratoires ANIOS Research Centre, ANIOSYME XL3 is a synergic combination of new generation active substances and a tri-enzyme complex.

ANIOSYME XL3 is a PATENTED DESIGN, a concentrated DETERGENT with ANTIMICROBIAL efficacy PROVEN FROM JUST 5 MINUTES.

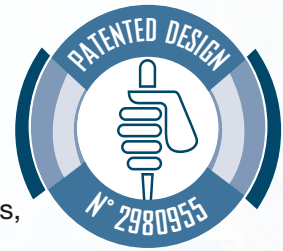
Designed for cleaning and manual pre-disinfection of surgical instruments, ANIOSYME XL3 can also be used in ultrasonic cleaning tanks. ANIOSYME XL3 can be used to pre-disinfect heat-sensitive instruments, particularly flexible endoscopes, compatible with ANIOS high level disinfection products formulated from glutaraldehyde or peracetic acid.

ANIOSYME XL3 meets the requirements of circular 591 of 17/12/2003, relative to the treatment of flexible endoscopes.

An eco-formulation with remarkable detergent and pre-disinfection properties, ANIOSYME XL3 is a reliable solution, which combines efficacy and ease of use.

A PATENTED UNIQUE FORMULA

The teams at the Laboratoires Anios Research Centre have selected a new generation of active disinfectant substances which, combined with three enzymes, make **ANIOSYME XL3 a unique patented formula**, (N° 2980955).



NEW GENERATION OF ACTIVE SUBSTANCES

QUATERNARY AMMONIUM CARBONATE

This active substance, used for the first time in the cleaning and pre-disinfection of medical devices, has many advantages:

- Antimicrobial qualities optimised in the presence of a targeted nonionic surfactant
- Efficacy is guaranteed even in hard water conditions
- The absence of chlorine limits the risks of corrosion

A NEW-GENERATION ALKYLAMINE

Combined with quaternary ammonium carbonate, the new-generation alkylamine boosts the antimicrobial activity of this formula.

Compatible with other disinfectants, in particular those containing aldehyde, when used prior to a manual disinfection phase.

A CONTROLLED COMBINATION OF 3 ENZYMES

The combination of **3 enzymes** ensures efficacy over a wide range of soiling encountered in the health sector and helps completing the surfactants detergency

- 1 THE PROTEASE**
reduces proteins to amino acids
- 2 THE AMYLASE**
breaks down sugars
- 3 THE MANNANASE**
acts on complex sugars (polysaccharides)

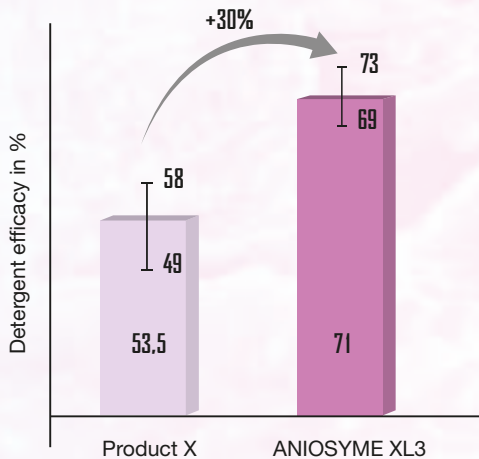
PROVEN ENZYME STABILITY

The enzymatic stability of concentrated ANIOSYME XL3 and after dilution was demonstrated using standard methods of Thin Layer Chromatography (TLC) and electrophoresis.

SPECTACULAR DETERGENT POWER

EFFICACY IMPROVED BY MORE THAN 30%!

Evaluation of ANIOSYME XL3 using the CDP (Cleaning Degreasing Power) protocol, in comparison with a product of the same type, demonstrated improved detergency by more than 30% after soaking for 5 minutes.



The hydrolysing power of the tri-enzyme complex helps increase and activate the detergent efficacy of Aniosyme XL3.

Thus, its detergent efficacy on soiled equipment will be visible after a shorter contact time than with a classic formula.

DEMONSTRATED ENZYME DETERGENT EFFICACY

The added value of each enzyme in Aniosyme XL3 has been demonstrated during formulation.

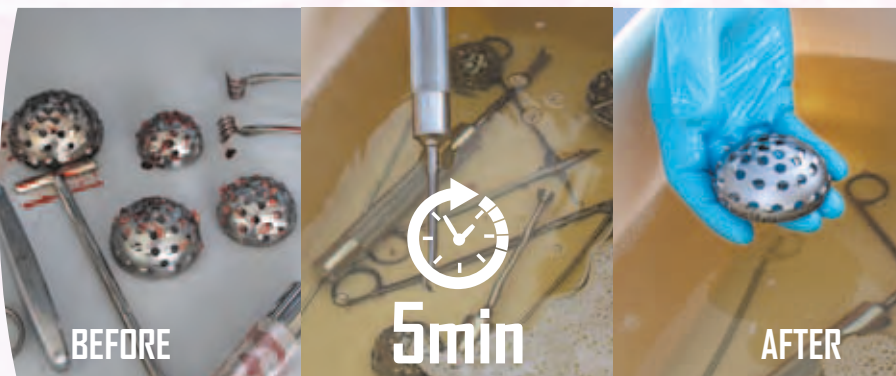
Protease activity was demonstrated by electrophoresis against human serum albumin which is naturally present in blood and soiled medical-surgical instruments. Under the action of the protease, the substrate was hydrolysed to peptides and soluble amino acids.

Mannanase and amylase activity was evaluated by thin layer chromatography demonstrating the hydrolysis of complex compounds into easily soluble degradation products.

ACTION ON BIOFILM IN ACCORDANCE WITH EN ISO 15883

The efficacy of ANIOSYME XL3, diluted to 0.5 %, after a 5 minute contact time, was demonstrated on biofilm in accordance with standard EN ISO 15883.

- **the population of *Pseudomonas aeruginosa*** is reduced by more than 8 log
- the protein level **is reduced by 85 %**



Under the practical conditions for use, after a 5 minute contact time, the soiled orthopaedic surgical equipment appeared to be free of any residual soiling and was remarkably shiny.



ANTIMICROBIAL ACTIVITY IN 5 MINUTES

Bactericidal, yeasticidal and virucidal efficacy was validated in **5 minutes at 0.5 %**.

ANIOSYME XL3 demonstrates a very wide spectrum of efficacy, including **tuberculocidal action in 60 minutes at 0.5 % or 30 min at 1 %, ...** and can thus be recommended for treating bronchofibrosopes.

STANDARDS	ACTIVE AGAINST	TEST CONDITIONS	CONTACT TIME	ACTIVE CONCENTRATION
EN 1040	Staphylococcus aureus Pseudomonas aeruginosa		5 min.	0,5 %
EN 13727	Staphylococcus aureus Enterococcus hirae Pseudomonas aeruginosa	Dirty conditions	5 min.	0,5 %
EN 13727	Staphylococcus aureus MRSA Acinetobacter baumannii BLSE Enterobacter ERV Klebsiella pneumonia KPC Escherichia coli KPC Enterobacter cloacae KPC	Dirty conditions	5 min.	0,5 %
EN 14561	Staphylococcus aureus Enterococcus hirae Pseudomonas aeruginosa Escherichia coli	Dirty conditions	5 min.	0,5 %
EN 1275	Candida albicans	Dirty conditions	5 min.	0,5 %
EN 13624	Candida albicans	Dirty conditions	5 min.	0,5 %
EN 14562	Candida albicans	Dirty conditions	5 min.	0,5 %
EN 14348	Mycobacterium terrae	Dirty conditions	60 min. 30 min. 15 min.	0,5 % 1 % 2 %
EN 14563	Mycobacterium terrae	Dirty conditions	30 min. 15 min.	0,5 % 1 %
Selon EN 14476+A1	PRV, HSV, BVDV, Vaccinia Virus,...	Dirty conditions	5 min.	0,5 %

OUR ANIOSAFE COMMITMENT, YOUR SAFETY XL³ POWER!



Committed to a business procedure including three core values: **Quality, Safety, Environment (QSE)**, the ANIOS teams systematically include the indicators of the ANIOSAFE commitment in its development of new formulations.

ANIOSYME XL3 meets this criteria perfectly:

Respect to the user

- neutral pH
- Formulation free of EDTA
- Without NTA nor CMR substances

Respect to the environment



1/3 reduction in greenhouse gas emission factors, compared with other products of equivalent indication

- Classified non-hazardous for the environment when diluted (2013 data)
- Biodegradable nonionic surfactant

Respect to equipment

- Chlorine free active substance
Non-corrosive
- Electrochemical compatibility demonstrated with a wide range of materials:

Polymers: POM, EPDM, PSU, Polypropylene, ABS, PMMA, PC, PE, PVC, Silicone, Teflon, Neoprene, Rubber, Corian®

Metals: Stainless steel 304, Brushed stainless steel 304, Aluminium, Copper, Brass

Manufacture

- ANIOSYME XL3 is manufactured in an eco-managed plant, certified ISO 9001, ISO 14001 and OSHAS 18001

Packaging

- 5L containers and 1L bottles in recyclable PET

**JUST RELEASED
IN 3 TYPES OF PACKAGING**



200 doses, 25 ml each

Ref. 2381.097

4 cans, 5L each with pump

Ref. 2381.036

12 dosing bottles, 1L each

Ref. 2381.095

ANIOSYME

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Le professionnel de la désinfection