

# HOSPITALS CLINICS



2015  
EDITION



## The Hygiene and Disinfection GUIDE



Laboratoires  
**ANIOS**  
Le professionnel de la désinfection



# Our products at your service.

New viruses and bacteria having emerged in the last 110 years, bacterial resistance became a major world health issue.

What has not changed is our battle: to help **YOU** in the fight against microbes. You, as members of the caring professions, are at the heart of our endeavours.

Our primary objective is to be by your side in your daily battle against hospital infections, not only by providing high-performance cleaning and disinfectant products, but also in the monitoring and management of specific issues, the training of your teams in hygiene techniques and even in the research and development of new formulas.

This proximity that we establish everyday, thanks to a field team close to you, is necessary in order to understand your concerns and provide solutions: to ensure overall management of cleaning, disinfection and antiseptis.

In this publication, you will find our complete range of products and devices, combining efficiency, simplicity, safety and respect, both for the user and the environment.

## A family business



**1898**

Fernand COLLET-DELVAL, great grand-father of Bertrand and Thierry LETARTRE, creates the Laboratoires ANIOS, specialized in manufacturing disinfectant products for breweries in Lille, North of France.

- 1918** René COLLET takes over the business from his father.
- 1953** Odette COLLET, daughter-in-law of Fernand COLLET-DELVAL, takes over from her husband.
- 1968** Luce LETARTRE-COLLET, grand-daughter of the founder, takes over the management of the company. She builds the expansion of the business on a partnership with the Pasteur Institute of Lille.
- 1974** Thierry LETARTRE creates disinfection products range in the hospital sector.
- 1982** Bertrand LETARTRE becomes C.E.O. of the company.
- 1986** Launch of the Medical and Dental division.
- 1989** Launch of the 1<sup>st</sup> totally automated production site, known at the time as one of the most modern in Europe.
- 1994** Creation of the Hydenet department (communities).
- 2000** Creation of a new distribution center with over 6.000 m<sup>2</sup>.
- 2006** Opening of a second production site in the North of France.
- 2010** Construction of the «LUCE LETARTRE» Research Centre.
- 2013** Expansion of the distribution center (16.000m<sup>2</sup>).
- 2014** Acquisition of Soluscope.

## Laboratoires ANIOS key figures

- » 3 production sites in France (20.000m<sup>2</sup> of eco-controlled factories)
- » 1 Research centre
- » 600 employees
- » 350 formulas, 4000 product references
- » 25 packaging lines
- » 12.000 bottles packaged each day
- » 16.000m<sup>2</sup> of finished product storage



**Private Organizations for Patient Safety**

**Since 2012 :**

Member of the Private Organizations for Patient Safety Program launched by W.H.O.

### Certifications

- » QSE
- » ISO 9001
- » ISO 14001
- » OHSAS 18001
- » COFRAC accreditation



# 1000 m<sup>2</sup> dedicated to Research and Development

**Our Luce Letartre Research Centre, one of the most important in Europe, includes:**

- » **40 technicians**
- » **3 laboratories:** Chemistry and Formulation, Microbiology (COFRAC accredited) and Analytical Chemistry.

**Its missions:**

- » To develop innovative new formulations.
- » To evaluate the products efficiency against micro-organisms.
- » To verify the products compatibility on hospital materials.

## Associated services

A strong field support



**The Research Centre is also at your disposal for solving specific problems:**

- » Evaluating the antimicrobial efficiency on field strains and critical surfaces.
- » Analyzing product/material compatibility, corrosion studies.
- » Implementing product trace studies, before and after rinsing.
- » Verifying the compatibility of a specific material with our products.



## The Equipment Department

Equipment adapted to your needs

- » **Designs specific equipment** in order to optimize the performance of products while respecting local constraints.
- » **Ensures the production** of airborne disinfection equipment, washbasins, endoscopy modules, etc.





Our added value

## A consistent service proposition



### Our Research Centre at your disposal

- » **Associated services** to solve your specific problems (corrosion studies, product/material compatibility studies, etc.).
- » All of our product efficiency tests are accessible from the **scientific files** available on demand.
- » **Regulatory monitoring** (e.g.: REACH, BIOCIDES, CLP...).

### Laboratoires ANIOS around the world

- » Presence in more than 80 countries, **i.e. more than 100% growth in 5 years**
- » 1 representative office in **Hong Kong**
- » 4 subsidiaries : **Turkey, Argentina, Brazil and Italy**



### A whole team at your service:

- » A large network of partners representing more than **500 sales representatives** specialized in hygiene and disinfection
- » **11 area managers**
- » **10 commercial assistants**
- » A scientific team dedicated **to support you and to answer your questions**





# Our social and environmental commitment : ANIOSAFE

For several years now, Laboratoires ANIOS have been committed to a voluntary business approach involving the three core values of its management system, namely: **Quality, Safety and the Environment (QSE).**

In order to give a clearer picture of our commitments, we have developed the ANIOSAFE company charter which, by going beyond compulsory regulations, is proof of our determination to fight microbes whilst respecting Humans and the Environment.

At every step in the life of ANIOS products, the ANIOSAFE charter obliges us to take the protection of the environment, or ecodesign, into account when manufacturing our products. Likewise, the charter also covers measures to control impact on Humans.



## RAW MATERIALS AND FORMULATION: ECO-FORMULATION

- Eliminating CMR substances.
- Substituting whenever possible allergenic substances and Volatile Organic Compounds (VOC).
- Use of vegetal substances of oleo-chemical origin (new generation of surfactants).
- Looking for new generations of active ingredients and additives.



## PRODUCTION AN ECOLOGICALLY MANAGED SITE WITH 3 CERTIFICATIONS (ISO 9001, ISO 14001, OHSAS 18001)

- Connecting each production site to water treatment and purification plants.
- Optimizing the consumption of rinsing water.
- Treating wastewater by fixing a pollution rate below national requirements.
- Ensuring storage in a secondary containment facility in case of product leakage or runoff.



## PACKAGING

- Favouring recyclable packaging.
- Gradual elimination of aerosol containers in favour of other dispersion systems.
- Creating single-material packaging for easier recycling.
- Researching and developing new solutions for biodegradable packaging.



## TRANSPORT

- Giving priority to concentrated products to reduce their impact on transport.
- Selecting transport companies that meet the EURO 5 and EURO 6 standards.
- Using vehicles with low CO<sub>2</sub> emissions.



## USE OF PRODUCTS

- Providing complete scientific studies detailing all formulation properties.
- Suggesting users on-site training in good practice for product usage.
- Providing ongoing training for sales teams in products, as well as technical and scientific knowledge.

# Catalogue also available online

Descriptions of products and materials, references, 3D environments...  
Find our full-range offer in interactive format on our website  
[www.anios.com](http://www.anios.com)

Click, Zoom in... Find out all the features of  
our online catalogue!





## Signage of your catalogue

Throughout this catalogue, you will find different pictograms that will help you read it:



Products whose formulation emerged from the latest research program (Innovative association of latest generation molecules).

**NEW**

This logo indicates product and material innovations recently created.



Products whose formulation includes a unique characteristic that has permitted to file a patent, the number of which is available on demand.



The presence of this logo certifies a product that complies with all the criteria of our ANIOSAFE commitment.



These expert advices provide you with practical, technical and scientific information relating to the use of our products.

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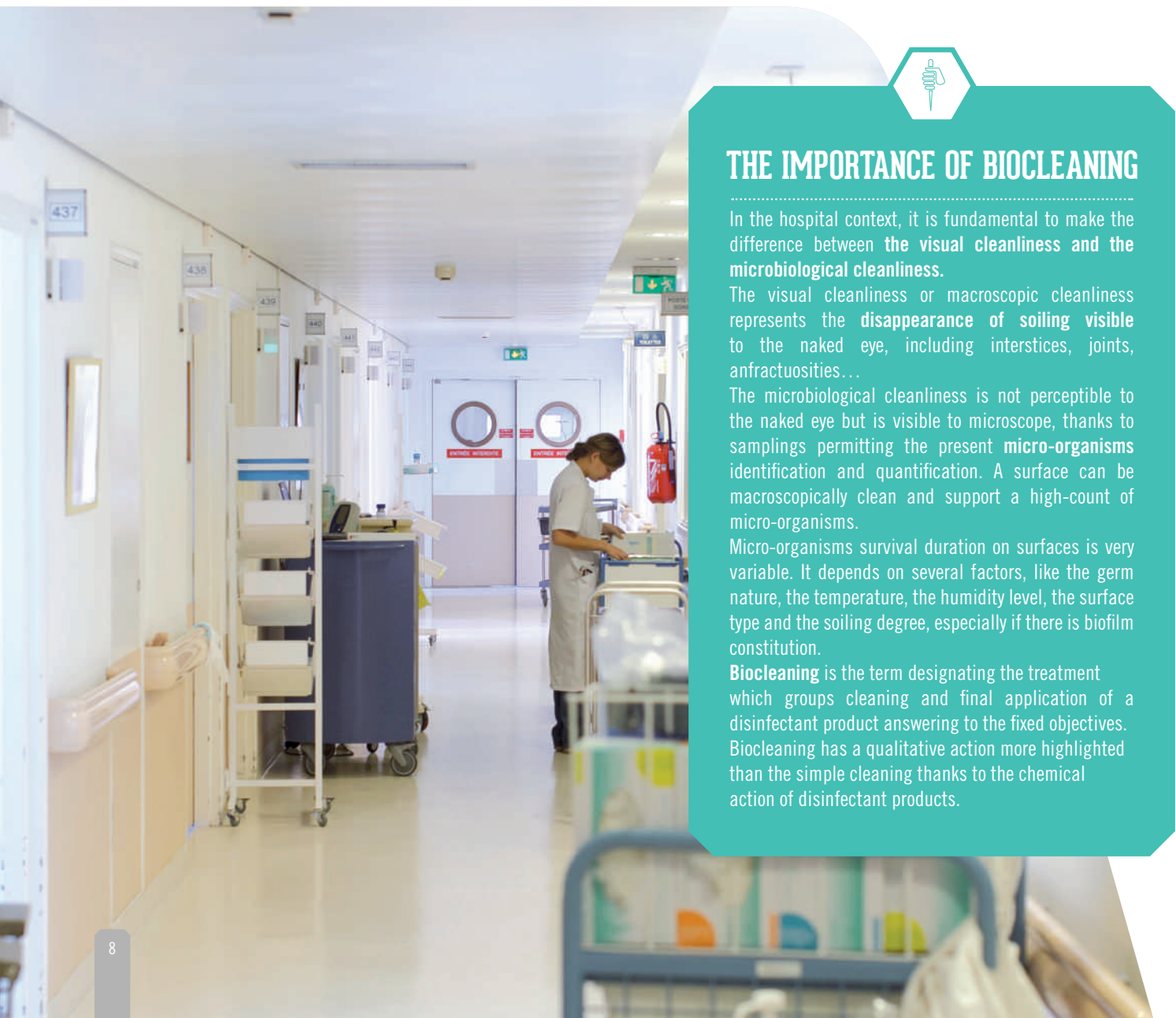


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# FLOORS & SURFACES



## THE IMPORTANCE OF BIOCLEANING

In the hospital context, it is fundamental to make the difference between **the visual cleanliness and the microbiological cleanliness**.

The visual cleanliness or macroscopic cleanliness represents the **disappearance of soiling visible** to the naked eye, including interstices, joints, anfractuosités...

The microbiological cleanliness is not perceptible to the naked eye but is visible to microscope, thanks to samplings permitting the present **micro-organisms** identification and quantification. A surface can be macroscopically clean and support a high-count of micro-organisms.

Micro-organisms survival duration on surfaces is very variable. It depends on several factors, like the germ nature, the temperature, the humidity level, the surface type and the soiling degree, especially if there is biofilm constitution.

**Bio-cleaning** is the term designating the treatment which groups cleaning and final application of a disinfectant product answering to the fixed objectives. Bio-cleaning has a qualitative action more highlighted than the simple cleaning thanks to the chemical action of disinfectant products.








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# CONCENTRATED DETERGENT PRODUCTS

## DETERG'ANIOS DETERG'ANIOS SURACTIF MARINE

- » Powerful neutral detergent.
- » Compatible with any kind of surface.
- » Does not leave traces.
- » Available with lemon scent or marine air freshener scent.



LEMON  
SYNTHETIC FRAGRANCE

MARINE  
SYNTHETIC FRAGRANCE

### Our advice

For an optimized treatment of your floors, we advise you to alternate a detergent product with a disinfectant detergent.

#### INDICATION

Cleaning of all washable surfaces: floors (tiles, plastic, etc.), walls (tiles, washable paint, etc.), sanitary facilities, metal and plastic surfaces. Compatible alternately with ANIOS disinfectant products. Wetting effect, solubilising organic and inorganic stains.

#### COMPOSITION DETERG'ANIOS

Non-ionic and anionic detergents, chelating agent, bacteriostatic and fungistatic agents, colouring and citrus fragrance.

#### COMPOSITION DETERG'ANIOS SURACTIF MARINE

Amphoteric and non ionic surfactants, chelating agent, fragrance and colouring.

PACKAGING - REF.	DETERG'ANIOS	DETERG'ANIOS SURACTIF MARINE
500 doses, 20ml each.....	365.129	785.129
12 dosing bottles, 1L each.....	365.092	785.092
4 cans, 5L each + 20ml dosing pump.....	365.036	785.036

#### INSTRUCTIONS FOR USE



PRODUCT TO BE DILUTED  
i.e. 20ml for 8L



## DOSING UNITS

- » Automatic dosing systems for cleaning solution like DETERG'ANIOS.



## CENTRALE PREMIX

#### TECHNICAL CHARACTERISTICS

- Dosage using VENTURI system with calibration jets.
- PVC box (5 mm thick).
- Pressure resistant up to a maximum of 6 bars.
- Connection to cold or hot water supply (60°C max).
- Multiple mounting possibility through connections between plants.
- Dynamic pressure: 2.5 bar.

#### REF.

PREMIX 4.16 for bucket: 4 products, 16L/min.....	402.626
PREMIX 1.16 for bucket: 1 product, 16L/min.....	402.627
PREMIX 4.4 for spray: 4 products, 4L/min.....	402.628

## CENTRALE PROSYSTEM COMPACT

#### TECHNICAL CHARACTERISTICS

- Dosage using VENTURI system with calibration jets.
- PVC box (5 mm thick).
- Connection to cold or hot water supply (55°C max).
- Stainless steel bracket for 5 litre container.
- Pressure resistant up to a maximum of 8 bars.
- Water supply NF antipollution double-valve system.
- Certified Food quality washing hose.
- Anti-shock gun supplied with 15 m quick coupler. Other lengths available on demand.

#### REF.

CENTRALE PRO SYSTEM COMPACT: 1 product.....	402.015
CENTRALE PRO SYSTEM COMPACT: 2 products.....	402.016



# READY-TO-USE PRODUCTS

## ANIOS QUICK WIPES

- » Disinfectant wipes.
- » Ethanol based formula.
- » Wide spectrum in short time.
- » Aldehyde free formula.
- » Pleasant fragrance.



**INSTRUCTIONS FOR USE**



**SINGLE USE WIPES**

Active from 30 sec.

**INDICATIONS**

ANIOS QUICK WIPES are impregnated with a fast-acting disinfectant solution for non-immersible and non-invasive medical devices, previously cleaned and alcohol-resistant.

**COMPOSITION**

Impregnation solution: Ethanol (55%), Quaternary ammonium propionate, fragrance.

**PACKAGING - REF.**

12 dispensers, 120 wipes each (130 x 190 mm) ..... 2333.421

**THE IMPREGNATION SOLUTION IS:**

ACTIVE AGAINST	ACCORDING TO STANDARDS
<b>BACTERIA</b>	EN 1040, EN 13727, EN 14561, EN 13697 Active against MDRB according to EN 14561, EN 13697
<b>MYCOBACTERIA</b>	EN 14348, EN 14563
<b>YEASTS/MOULDS</b>	EN 1275, EN 13624, EN 14562, EN 13697
<b>VIRUSES</b>	Active against Adenovirus, HIV-1, PRV (surrogate of HBV), BVDV (surrogate of HCV), Vaccinia virus, Herpesvirus, Coronavirus, Rotavirus, Influenza virus A (H <sub>1</sub> N <sub>1</sub> ), Feline Calicivirus, Norovirus MNV

## LINGET'ANIOS

- » Cleaning and disinfectant wipes.
- » Pleasant fragrance.
- » Wide material compatibility.



**INSTRUCTIONS FOR USE**



**SINGLE USE WIPES**

Active from 1 min.

**INDICATIONS**

Cleaning and disinfection of non-immersible and non-invasive medical devices between two patients.

**COMPOSITION**

Ethanol, chlorhexidine digluconate, aminopropyl dodecylpropanediamine, synthetic fragrance, excipients.

**PACKAGING - REF.**

1 box + 3 refills, 120 wipes each (130 x 190 mm) ..... 299.303  
 1 box + 6 refills, 120 wipes each (130 x 190 mm) ..... 299.306  
 12 refills, 120 wipes each (130 x 190 mm) ..... 299.312  
 12 boxes, 120 wipes each (130 x 190 mm) ..... 299.421  
 12 boxes, 120 wipes each (65 x 100 mm) ..... 299.411

**THE IMPREGNATION SOLUTION IS:**

ACTIVE AGAINST	ACCORDING TO STANDARDS
<b>BACTERIA</b>	EN 1040, EN 1276, EN 13697, EN 13727
<b>YEASTS/MOULDS</b>	EN 1275, EN 1650, EN 13624, EN 13697
<b>VIRUSES</b>	Active against HIV-1, Herpesvirus, HBV



# READY-TO-USE PRODUCTS

## SURFA'SAFE PREMIUM



- » Disinfectant detergent formulated without alcohol, without perfume nor CMR.
- » Quick antimicrobial efficacy: bacteria including BHR, Rotavirus... from 3 min.
- » Quick drying, does not leave any trace.
- » Wide compatibility with materials, specially polymers (polycarbonates...).



### INDICATIONS

Detergent disinfectant foam, for cleaning and disinfection of surfaces, non-immersible and non-invasive medical devices (conventional ultrasound probes, cables and connectors, pressure sensors, blood sugar testers, tensiometers, reflex hammers...) and external structures of equipments (respirators, haemodialysis generators...).

### COMPOSITION

Didecyltrimethylammonium chloride, excipients.

### PACKAGING - REF.

12 bottles, 750ml each, with foaming dispensers.....2419.544  
 16 bottles, 500ml each .....2419.105

### INSTRUCTIONS FOR USE



**READY-TO-USE**  
Active from 3 min.

ACTIVE AGAINST	ACCORDING TO STANDARDS
BACTERIA	EN 1040, EN 13727, EN 14561, EN 13697 Active against MDRB and HRB according to EN 13727, EN 13697
MYCOBACTERIA	Mycobacterium terrae : EN 14348, EN 13697
YEASTS/MOULDS	EN 1275, EN 13624, EN 13697, EN 14562
VIRUSES	Adénovirus and Norovirus according to EN 14476 According to EN 14476 : PRV (surrogate of HBV), BVDV (surrogate of HCV), Vaccinia virus, Herpesvirus, Rotavirus, Polyomavirus SV40



Exists in wipes

## WIP'ANIOS EXCEL



- » SURFA'SAFE PREMIUM impregnation solution.
- » Formulated without CMR substances, without perfume, nor alcohol.
- » 100% biodegradable viscose wipe.



### INDICATIONS

WIP'ANIOS EXCEL wipes are impregnated with a cleaning and disinfecting solution for the treatment of surfaces and medical devices.

- **Cleaning and disinfection of non-immersible and non invasive medical devices** (ultrasound probes, cables and connectors, pressure sensors, blood sugar testers, tensiometers...) and external structures of equipments (respirators, haemodialysis generators...).
- **Wiping of endoscopy sheaths** during preliminary treatment, prior to immersion for cleaning and disinfection.

### PACKAGING - REF.

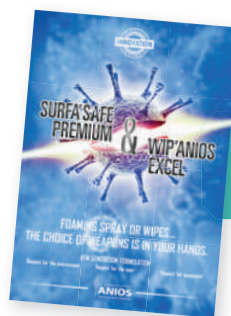
6 sachets, 100 wipes each..... 2446.655

### INSTRUCTIONS FOR USE



**SINGLE USE WIPES**

Active from 3 min.



MORE DETAILS IN THE BROCHURE AND VIDEO

## Our advice

- For large surfaces, preferably use the 500ml bottle.



# READY-TO-USE PRODUCTS

## ANIOS SPS PREMIUM

- » ANIOSAFE formula: based on lactic acid and glycolic acid.
- » Non-corrosive product: formulated without strong acid.
- » High descaling power.
- » Wide antimicrobial spectrum.

### INDICATIONS

Daily cleaning, descaling and disinfection of sanitary facilities, all enamel, stainless steel or plastic surfaces.

### COMPOSITION

Didecylidimethylammonium chloride, lactic acid, glycolic acid, excipients.

### PACKAGING - REF.

12 foaming spray, 750ml each.....2201.515

ACTIVE AGAINST	ACCORDING TO STANDARDS
BACTERIA	EN 1040, EN 1276, EN 13727, EN 13697
YEASTS	EN 1275, EN 1650, EN 13624, EN 13697
MOULDS	EN 1275, EN 13624, EN 13697
VIRUSES	According to EN 14476: BVDV (surrogate of HCV), PRV (surrogate of HBV)



## ANIOS DTS

- » Wetting and solubilising power.
- » Compatible with all washable non-porous surfaces.
- » Butylglycol-free formulation.

### INDICATIONS

Cleaning and removal of stains from any washable surface.

### COMPOSITION

Anionic surfactants, alkaline agent, glycol derivatives, synthetic fragrance.

### PACKAGING - REF.

12 bottles, 750ml each .....2319.512

### INSTRUCTIONS FOR USE



READY-TO-USE



### ANIOS DTS IS IDEAL FOR :

- Dry blood stains.
- Interior of autoclaves.
- Stainless steel surfaces.
- Label glue.
- Black marks on the bottom of doors (traces of wheels, shoes).
- Rejuvenation of Instrubacs.
- Ink, felt pen, marker, pencil, ballpoint pen, paint, lipstick, polish, rubber.
- Difficult stains on textiles, before washing (care staff overalls turned yellow).



# CONCENTRATED DISINFECTANT-DETERGENT PRODUCTS

## SURFANIOS PREMIUM

- » Proven efficiency against hospital strains.
- » Aldehyde free, chlorine free.
- » Wide compatibility materials/floor recovering.
- » Optimisation of ecotoxicological information.



### INDICATIONS

Cleaning and disinfection of floors, walls, medical equipment and non-invasive medical devices.

### COMPOSITION

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine, didecylmethylammonium chloride, excipients.

### PACKAGING - REF.

500 doses, 20 ml each ..... 1917.129  
 12 dosing bottles, 1L each ..... 1917.092  
 4 cans, 5L + 20 ml dosing pump ..... 1917.036

### INSTRUCTIONS FOR USE



#### PRODUCT TO BE DILUTED

i.e. 20ml for 8L

Active from 15 min.

ACTIVE AGAINST	ACCORDING TO STANDARDS
<b>BACTERIA</b>	EN 1040, EN 1276, EN 13727, EN 13697, Active against MDRB according to EN 1276, EN 13697
<b>MYCOBACTERIA</b>	Mycobacterium terrae: EN 14348, EN 14563
<b>YEASTS</b>	EN 1275, EN 13624, EN 1650, EN 13697
<b>MOULDS</b>	EN 1275, EN 1650, EN 13697
<b>VIRUSES</b>	According to EN 14476: HIV-1, PRV (surrogate of HBV), BVDV (surrogate of HCV), Herpesvirus, Vaccinia virus, Coronavirus

## SURFANIOS / SURFANIOS CITRON

- » Aldehyde free.
- » Product available since 1990.
- » Combination of detergent and disinfectant action in a simultaneous operation.



### INDICATIONS

Cleaning and disinfection of floors, walls and medical equipment.

### COMPOSITION

N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine, didecylmethylammonium chloride, excipients.

### PACKAGING - REF.

	<b>SURFANIOS</b>	<b>SURFANIOS CITRON</b>
500 doses, 20ml each .....	350.129	347.129
12 dosing bottles, 1L each .....	350.092	347.092
4 cans, 5L + 20 ml dosing pump .....	350.036	347.036

### INSTRUCTIONS FOR USE



#### PRODUCT TO BE DILUTED

i.e. 20ml for 8L

Active from 15 min.

ACTIVE AGAINST	ACCORDING TO STANDARDS
<b>BACTERIA</b>	EN 1040, EN 13727, EN 1276, EN 13697 Active against MDRB
<b>MYCOBACTERIA</b>	Mycobacterium terrae: EN 14348, EN 14563
<b>YEAST</b>	EN 1275, EN 1650, EN 13624
<b>MOULDS</b>	EN 1275, EN 13624
<b>VIRUSES</b>	Active against HIV-1, BVDV (surrogate of HCV), PRV (surrogate of HBV), Influenza virus A (H <sub>1</sub> N <sub>1</sub> )



# CONCENTRATED DISINFECTANT-DETERGENT PRODUCTS



## Our advice

For an optimized treatment of your floors, we advise you to alternate a detergent product with a disinfectant detergent.

## ANIOSURF ND PREMIUM

- » Proven efficiency : original combination of active substances.
- » Aldehyde and amphoteric-free formula.
- » Optimisation of ecotoxicological information.



### INDICATIONS

Cleaning and disinfection of floors, walls and medical equipment.

### COMPOSITION

Didecyltrimethylammonium chloride, chlorhexidine digluconate, excipients.

### PACKAGING - REF

500 doses, 20 ml each .....	2436.129
12 dosing bottles, 1l each .....	2436.092
4 cans, 5L + 20 ml dosing pump .....	2436.036

### INSTRUCTIONS FOR USE



#### PRODUCT TO BE DILUTED

i.e. 20ml for 8L

Active from 15 min.

ACTIVE AGAINST	ACCORDING TO STANDARDS
<b>BACTERIA</b>	EN 1040, EN 13727, EN 13697 Active against MDRB and HRB according to EN 13727
<b>MYCOBACTERIA</b>	Mycobacterium terrae EN 14348, EN 13697
<b>YEASTS</b>	EN 1275, EN 13624, EN 13697
<b>MOULDS</b>	EN 13624, EN 13697
<b>VIRUSES</b>	According to EN 14476: PRV (surrogate of HBV), BVDV (surrogate of HCV), Vaccinia virus, Rotavirus, Herpesvirus



# WIDE SPECTRUM DISINFECTANT-DETERGENT PRODUCTS



## A COMPLETE SOLUTION IN THE EVENT OF AN EPIDEMIC PERIOD

*Clostridium difficile* is a positive Gram bacteria, on strict anaeroby. It is the main etiological agent implicated in the nosocomial diarrhea in adult under antibiotherapy. This bacteria develops highly resistant spores in the environment.

Since 2003, a specific *C. difficile* strain, named «O27», is responsible for severe and epidemic nosocomial infections. Firstly detected in Canada and in the United States of America, it was involved then in hospital epidemics in Great Britain, in Belgium and in the Netherlands. In France, where it was already isolated punctually in some hospitals, it was not identified as epidemic responsible before 2006. The occurrence of digestive infection due to *C. difficile* (ICD) is the most often induced by antibiotherapy which facilitates the bacteria implantation in the alimentary canal and the secretion of two toxins (A and B) responsible of symptoms. The contamination by *C. difficile* exists by oro-faecal way and its transmission from people to people is directly done by handcarrying or from a contaminated environment.

*Clostridium difficile* but also *Acinetobacter baumannii*, Norovirus, Rotavirus, resistant bacteria (ERV, Enterobacteria BLSE, SARM), Tuberculosis or pneumococcus are also microorganisms responsible for hospital epidemics among young children, the elderly, and immunocompromised patients, and increase hospitalization times significantly.

Infections prevention needs a reinforcement of biocleaning, with especially sporicidal disinfectant cleaning products :

- » **ANIOXY-SPRAY WS: Ready-to-use spray.**
- » **ANIOS OXY'FLOOR: Concentrated powder.**

## ANIOXY-SPRAY WS

- » Surface sporicidal activity.
- » Aldehyde free.
- » Does not leave traces.
- » Wide compatibility material/medical devices.
- » Foaming spray.



### INSTRUCTIONS FOR USE



**READY-TO-USE**  
Active from 5 min.

### Our advice

Before every application, ensure the solution compatibility with the material : testing the product on a small surface is recommended.

### INDICATIONS

Broad spectrum cleaning and disinfection of surfaces, medical equipment and non-immersible and non-invasive medical devices (stethoscopes, cables and connectors, pressure sensors, blood sugar level testing material, etc.)

### COMPOSITION

Hydrogen peroxide (50 mg/g i.e. 5%), ethanol (91,6 mg/g) in aqueous medium.

### PACKAGING - REF.

6 bottles, 1 litre each, with foaming spray.....1756.573

ACTIVE AGAINST	ACCORDING TO STANDARDS
<b>BACTERIA</b>	EN 1040, EN 1276, EN 13727, EN 13697
<b>MYCOBACTERIA</b>	Mycobacterium terrae: EN 14348, EN 14563
<b>YEASTS</b>	EN 1275, EN 1650, EN 13624, EN 13697, EN 14562
<b>MOULDS</b>	EN 1275, EN 1650, EN 13624, EN 13697
<b>VIRUSES</b>	EN 14476 (Poliovirus, Adenovirus, Norovirus) Active against PRV (surrogate of HBV), BVDV (surrogate of HCV), VRS
<b>SPORES OF BACTERIA</b>	EN 13704 Active against Bacillus subtilis according to EN 13697 Active against Bacillus cereus according to EN 13697 Active against Clostridium difficile according to EN 13697, EN 14561

### OUR ADVICE

As a complement to ANIOS OXY'FLOOR and ANIOXY-SPRAY WS, use the airborne disinfection process AEROSEPT 500 + ASEPTANIOS AD (p. 22).



# WIDE SPECTRUM DISINFECTANT-DETERGENT PRODUCTS

## ANIOS OXY'FLOOR

- » **Twin action** : cleaning and disinfection in a simultaneous operation.
- » **Active against Clostridium difficile in 15 minutes.**
- » **Odourless powder.**
- » **Unique dose** : no overdosing.



### INSTRUCTION FOR USE



**PRODUCT TO BE DILUTED**  
i.e. 25g for 5L  
Active from 5 min.

### INDICATIONS

Cleaning and broad spectrum disinfection of floors and surfaces.

### COMPOSITION

Powder based on sodium percarbonate, tetraacetylenediamine and N-alkyl(C12-14)-N-benzyl-N,N-dimethylammonium chloride. Extemporaneous production of peracetic acid diluted in water. Composition in active substances for 100g of a 0.5% solution: Peracetic acid (generated in situ): approx. 750 ppm (0,75 mg/g), N-alkyl(C12-14)-N-benzyl-N,N-dimethylammonium chloride : 0.012% (0,12 mg/g).

### PACKAGING - REF.

100 doses, 25g each .....2131.234  
4 buckets, 1kg each .....2131.732

ACTIVE AGAINST	ACCORDING TO STANDARDS
<b>BACTERIA</b>	EN 1040, EN 13727, EN 13697, EN 14561 Active against MDRB according to EN 13727, EN 13697
<b>MYCOBACTERIA</b>	EN 14348, EN 14563, EN 13697
<b>YEASTS/MOULDS</b>	EN 1275, EN 13624, EN 14562, EN 13697
<b>VIRUSES</b>	EN 14476 (Poliovirus, Adenovirus, Norovirus) According to EN 14476: HIV-1, PRV (surrogate of HBV), BVDV (surrogate of HCV), Vaccinia virus, VRS, Rotavirus
<b>SPORES OF BACTERIA</b>	EN 14347, EN 13704, Active against Bacillus subtilis according to EN 13697 Active against Clostridium difficile according to EN 13704, EN 13697

## A GREAT ALTERNATIVE TO CHLORINE

**ANIOS OXY'FLOOR** is a synergistic combination of peracetic acid and quaternary ammonium chloride in the presence of a surfactant. The peracetic acid is generated by the perhydrolysis of tetraacetylenediamine (TAED) by the sodium percarbonate, which limits the presence of acetic acid and hydrogen peroxide, and thus promotes better olfactory tolerance.

## A SIMPLIFIED PROTOCOL

Save time, gain efficiency:

- » A shorter treatment cycle: cleaning and full spectrum disinfection in a single operation
- » Less personnel mobilised
- » A product stable in storage (2 years) and after preparation (8 hours)
- » A single dose for more simplicity: one 25g spoon or one dose in 5L of water

### BLEACH

3 Steps protocol

- 1 Cleaning with detergent
- 2 Rinsing
- 3 Disinfection with chlorine

### ANIOS OXY'FLOOR

1 Step protocol

- 1 Cleaning and disinfection with ANIOS OXY'FLOOR

*Less time,  
More efficiency*

## ANIOSAFE COMMITMENT

Respect of the user

- » CMR, EDTA and chlorine free product
- » Odourless
- » Single dosage: prevents excessive doses

Respect of the environment

- » Pure and diluted product not classified dangerous for the environment (2014 data)
- » Perborate free formulation
- » Over 90% biodegradable

Respect of the equipment

- » Compatibility demonstrated by electrochemical protocols with a wide range of materials:
  - Flooring: Tarkett®, Gerflor® and Forbo Sarlino® brands
  - Stainless steel
  - Polymers: PVC, Corian®, etc.



MORE DETAILS IN THE BROCHURE AND VIDEO.

# SPRAYING AND AIRBORNE DISINFECTION



## DISINFECTION OF SURFACES

Disinfection of **non critical surfaces** in hospital is part of a significant **barrier** against possible infections associated to health cares. Indeed, all environmental surfaces contribute to **cross contamination** (contacts and exchanges between healthcare staff/surfaces/medical devices/patients). Moreover, the use of disinfectant products for the non critical surfaces treatment does not increase cost neither work. Another important point in the non critical surfaces disinfection is the **contact time** necessary to the action of disinfectant products. Disinfection is done after cleaning and is realised by spraying evenly a hydroalcoholic solution on surfaces. One of those solutions characteristics is a quick drying time. Thus, in adequation to this data, the **action time** has to be **the shortest possible**.







## SPRAYING DISINFECTION

- 20 ANIOSPRAY SURF 41 **NEW** / ANIOSPRAY SURF 29 **NEW**
- 20 SPRAYMATIC 10S
- 21 ANIOSPRAY QUICK

## AIRBORNE DISINFECTION

- 22 AEROSEPT 500 **NEW**
- 22 ASEPTANIOS AD
- 23 AEROSEPT 100VF
- 23 ANIOS DJP SF

# SPRAYING DISINFECTION

**NEW**

## ANIOSPRAY SURF 41

- » Bactericidal, fungicidal and mycobactericidal spectrum.
- » Free of fragrance, colouring and CMR substances.
- » Quick drying, leaves no traces.



**INSTRUCTIONS FOR USE**



**READY-TO-USE**  
Active from 5 min.

**INDICATIONS**

Disinfection of surfaces, medical equipment and previously cleaned non-immersible and non-invasive medical devices (stethoscopes, cables and connectors, pressure sensors, blood sugar testing material...).

**COMPOSITION**

Ethanol, N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine, didecyltrimethylammonium chloride, excipients.

**PACKAGING - REF.**

12 bottles, 1L each with sprayers.....2420.073  
4 cans, 5 litres each.....2420.034

ACTIVE AGAINST	ACCORDING TO STANDARDS
<b>BACTERIA</b>	EN 1040, EN 13727, EN 13697, NF T 72-281 Active against MDRB according to EN 13697
<b>MYCOBACTERIA</b>	EN 14348, EN 13697
<b>YEASTS/MOULDS</b>	EN 1275, EN 13624, EN 13697
<b>VIRUSES</b>	According to EN 14476 : Active against PRV (surrogate of HBV), BVDV (surrogate of HCV), Herpesvirus, Vaccinia virus

**NEW**

## ANIOSPRAY SURF 29

- » Original combination of active ingredients.
- » Aldehyde free.
- » Broad compatibility with materials and medical devices.
- » Do not leave trace nor greasy film.



**INSTRUCTIONS FOR USE**



**READY-TO-USE**  
Active from 5 min.

**INDICATIONS**

Disinfection of surfaces, medical equipment and previously cleaned non-immersible and non-invasive medical devices (stethoscopes, cables and connectors, pressure sensors, blood sugar testing material...).

**COMPOSITION**

Ethanol, didecyltrimethylammonium chloride, chlorhexidine digluconate, excipients.

**PACKAGING-REF.**

12 bottles, 1L each with sprayers.....2421.073  
4 cans, 5 litres each.....2421.034

ACTIVE AGAINST	ACCORDING TO STANDARDS
<b>BACTERIA</b>	EN 1040, EN 13727, EN 13697, NF T 72-281
<b>YEASTS</b>	EN 1275, EN 13624, EN 13697, NF T 72-281
<b>MOULDS</b>	EN 1275, EN 13624, EN 13697
<b>VIRUSES</b>	According to EN 14476: PRV (surrogate of HBV), BVDV (surrogate of HCV), Vaccinia virus, Herpesvirus

## SPRAYMATIC 10S

- » 10L tank, practical and compact.
- » Simple to operate.
- » Mobile and autonomous.

**INDICATIONS**

Stainless steel sprayer, mobile and pre-pressurized standalone, for disinfection of equipment and walls of operating theatres. Suitable for spraying ANIOSPRAY SURF 29 and ANIOSPRAY SURF 41.

**TECHNICAL CHARACTERISTICS**

- Tank pressurised by compressed air
- Pressure of use: 2 to 6 bars
- Pneumatic type connection
- Air safety valve
- Flat spray nozzle

**REF.**

SPRAYMATIC 10S.....411.110



Our advice

Use SPRAYMATIC 10S for treatment of large surfaces with these products.

# SPRAYING DISINFECTION



## ANIOSPRAY QUICK

- » Ethanol-based composition.
- » Aldehyde free.
- » Broad activity spectrum in 30 seconds.
- » Does not leave any trace.
- » Pleasant fragrance.



### INSTRUCTIONS FOR USE



**READY-TO-USE**  
Active from 30 sec.

### INDICATIONS

Quick disinfection of surfaces, medical equipment and non-immersible and non-invasive medical devices, previously cleaned and alcohol resistant (stethoscopes, cables and connectors, pressure sensors, blood sugar testing material...).

### COMPOSITION

Hydroalcoholic solution (ethanol 55%), quaternary ammonium propionate, fragrance.

### PACKAGING - REF.

12 bottles, 1L each with sprayers.....2084.073  
4 cans, 5L each.....2084.034

ACTIVE AGAINST	ACCORDING TO STANDARDS
<b>BACTERIA</b>	EN 1040, EN 13727, EN 14561, EN 13697 Active against MDRB according to EN 14561, EN 13697
<b>MYCOBACTERIA</b>	EN 14348, EN 14563
<b>YEASTS/MOULDS</b>	EN 1275, EN 13624, EN 14562, EN 13697
<b>VIRUSES</b>	Active against Adenovirus, HIV-1, PRV (surrogate of HBV), BVDV (surrogate of HCV), Vaccinia virus, Herpesvirus, Coronavirus, Rotavirus, Influenza virus A (H <sub>1</sub> N <sub>1</sub> ), Feline Calicivirus, Norovirus MNV



# AIRBORNE DISINFECTION

## AEROSEPT 500

**NEW**

- » High treatment capacity: room from 30 to 300 m<sup>3</sup>.
- » Process in compliance with standard NF T 72-281, 2014 version.
- » User-friendly operator touch screen.
- » Traceability of the room and user via barcode.
- » Recovery of data on USB drive.



### INDICATIONS

Fully-automated stand-alone atomiser for the disinfection of previously cleaned surfaces.

### TECHNICAL CHARACTERISTICS

- Tank capacity: 5L can
- Average flow rate: 1L/hour
- Empty weight: ≈ 32 Kg
- Dimensions: H900 x W350 x D400
- Power supply: 240/110 V – 50/60 Hz – 5 A

### REF.

Aerosept 500 .....418.000



**NEW**

MORE DETAILS IN THE DEDICATED BROCHURE

## ASEPTANIOS AD

- » Free of aldehyde and heavy metals.
- » Peracetic acid based product: prevents corrosion.
- » Leaves no residue or smearing on surfaces after aerosolization.
- » "0 contact" system: no risk of contact with the product or projection.



### INDICATIONS

Airborne disinfection of previously cleaned surfaces and medical devices. To use in combination with AEROSEPT 500.

### COMPOSITION

Stabilised solution of peracetic acid (+/- 1200 ppm) and hydrogen peroxide.

### PACKAGING - REF.

4 cans, 5L each .....2122.795

### INSTRUCTIONS FOR USE



**READY-TO-USE**  
Active from 30 min.

ASEPTANIOS AD - AEROSEPT 500 process: activity according to standard NF T 72-281 - 2014 version - 7ml/m<sup>3</sup>

ACTIVE AGAINST	ACCORDING TO STANDARDS
BACTERIA	NF T 72-281, EN 1040, EN 1276, EN 13697
MYCOBACTERIA	NF T 72-281, EN 14348, EN 13697
YEAST/MOULDS	NF T 72-281 EN 1275, EN 1650, EN 13697
VIRUSES	NF T 72-281, EN 14476 : Poliovirus, Adenovirus, Norovirus MNV
SPORES	NF T 72-281, EN 13704



## PREVENTING NOSOCOMIAL INFECTIONS IS OUR EVERYDAY CONCERN.

Airborne disinfection is an effective solution that is easy to implement. The AEROSEPT 500 and the ASEPTANIOS AD disinfectant solution provides a full spectrum disinfection of all previously cleaned surfaces, even the most inaccessible, avoiding the need for personnel to manually disinfect.



# AIRBORNE DISINFECTION



## AEROSEPT 100VF

- » Practical and ergonomic.
- » Deferred start and automatic stop.
- » Quicker room recovery.
- » Easy-to-maintain.

### INDICATIONS

Self-contained, portable and fully automatic aerosol dispenser for the disinfection of previously cleaned surfaces of medical equipment. To use in combination with ANIOS DJP SF.

### TECHNICAL CHARACTERISTICS

Auto-regulated nozzle flow  
 One-piece unit made of easy-to-maintain polyethylene  
 Maximum volume to be disinfected: 220 m<sup>3</sup>  
 Average flow rate: 984 ml/h  
 Sealed diaphragm compressor  
 Propeller fan: 375 m<sup>3</sup>/h  
 Tank capacity: 5 litre can  
 Use with ANIOS DJP SF

### REF.

Aerosept 100 VF .....417.009

## ANIOS DJP SF

- » Formaldehyde free.
- » Bactericidal and yeasticidal spectrum.
- » Leaves a pleasant and fresh smell.
- » Wide compatibility with surfaces and materials.
- » Leaves no trace nor greasy film.



### INDICATIONS

Airborne disinfection of previously cleaned surfaces and medical equipment.

### COMPOSITION

Chlorhexidine digluconate, didecyltrimethylammonium chloride, excipients.

### PACKAGING - REF.

4 cans, 5L each .....2400.034

### INSTRUCTIONS FOR USE



**READY-TO-USE**  
 Active from 30 min.

ACTIVE AGAINST	ACCORDING TO STANDARDS
<b>BACTERIA</b>	EN 1040, EN 13727, EN 13697 Active against MDRB and HRB according to EN 13727, EN 13697
<b>YEASTS</b>	EN 1275, EN 13624, EN 13697



# TREATMENT OF INSTRUMENTATION



## THE IMPORTANCE OF PRE-TREATMENT

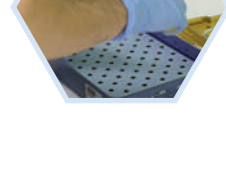
The pre-treatment of medical devices and medico-surgical instrumentation is a fundamental step before the cleaning operation. This step, also named pre-disinfection, requires the use of a detergent product with disinfectant properties.

**The interest is multiple:**





- To avoid the drying of blood and proteins.
- To protect care staff from any risk of contamination.
- To limit cross contamination (direct "instrument/instrument or indirect "instrument/user/instrument").
- To allow rejections of non contaminated solutions in the environment.

Discover our new product range issued from our latest research program "New Generation Innovation"





## PRE-TREATMENT

- 26 ANIOSYME PRIME  / ANIOSYME FOAM **NEW**
- 27 ANIOSYME SYNERGY 1 **NEW** / ANIOSYME SYNERGY MT 
- 27 ANIOSYME SYNERGY 5
- 28 ANIOS'CLEAN EXCEL D 
- 29 ANIOSYME XL3 
- 30 ANIOSYME PLA II
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## HIGH LEVEL DISINFECTION

- 31 ANIOXYDE 1000
- 32 ANIOXY-TWIN CONCENTRÉ
- 32 ACTANIOS HLD
- 33 STERANIOS 2% / STERANIOS 2% NG
- 33 OPASTER'ANIOS **NEW**

## EQUIPMENT

- 34 INSTRUBACS
- 35 MOBILE MODULES
- 36 MOBILE DISINFECTION RACK
- 36 ENDOSCOPE STORAGE CUPBOARDS
- 37 HDAI ENDOSCOPIC MODULE



# PRE-TREATMENT

## Our advice

⋮ Recommended for transportation of instruments.

**NEW**

### ANIOSYME PRIME



- » Prevents soils from drying.
- » Dense foam: instruments are evenly covered.
- » Limits any risk of contaminated spatters.
- » Transportation or storage of soiled instruments prior to treatment.

#### INSTRUCTIONS FOR USE



**READY-TO-USE**  
Active from 15 min.



#### INDICATIONS

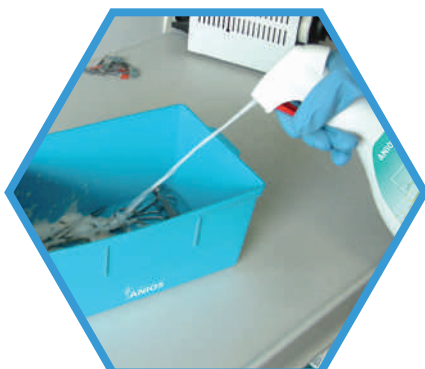
Ready-to-use **disinfectant detergent** foaming spray, for transportation of instrumentation in non-humid mode or prior to machine cleaning.

#### COMPOSITION

Quaternary ammonium carbonate, non-ionic surfactants, enzymatic complex (protease, lipase, amylase), sequestering agents, excipients.

#### PACKAGING - REF.

12 bottles, 750 ml each .....**2367.544**



ACTIVE AGAINST	ACCORDING TO STANDARDS
<b>BACTERIA</b>	EN 1040, EN 13727, EN 14561 Active against MDRB and HRB according to EN 13727
<b>MYCOBACTERIA</b>	EN 14348, EN 14563
<b>YEASTS</b>	EN 1275, EN 13624, EN 14562
<b>VIRUSES</b>	According to EN 14476 : HIV-1, PRV (surrogate of HBV), BVDV (surrogate of HCV), Vaccinia virus, Herpesvirus

## Our advice

⋮ Recommended for transportation of instruments.

**NEW**

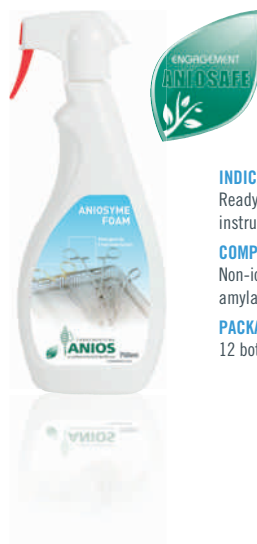
### ANIOSYME FOAM

- » Prevents soils from drying.
- » Demonstrated detergent efficacy.
- » Dense foam: instruments evenly covered.
- » Broad compatibility.

#### INSTRUCTIONS FOR USE



**READY-TO-USE**



#### INDICATIONS

Ready-to-use **detergent** foaming spray for transportation of instrumentation in non-humid mode or prior to machine cleaning.

#### COMPOSITION

Non-ionic surfactants, enzyme complexes (protease, lipase and amylase), sequestering agent, excipients.

#### PACKAGING - REF.

12 bottles, 750 ml each .....**2380.544**



# PRE-TREATMENT

**NEW**

## ANIOSYME SYNERGY 1

- » Demonstrated detergent efficacy from 1 minute.
- » Broad material compatibility.
- » Recommended with ANIOS high-level disinfectants.



**INDICATIONS**

Cleaning of surgical and medical instrumentation, medical devices, thermosensitive instruments and endoscopic material.

**COMPOSITION**

Non-ionic and anionic surfactants, protease and excipients.

**PACKAGING - REF**

12 dosing bottles, 1L each ..... 2493.095  
 4 cans, 5L each + 25 ml pump ..... 2493.036

**INSTRUCTIONS FOR USE**



**PRODUCT TO BE DILUTED**  
 i.e. 25 ml for 5L



## ANIOSYME SYNERGY MT

- » Very strong detergent power demonstrated.
- » Boosted proteasic activity.
- » Highly effective with any quality of water.
- » Recommended with ANIOS high-level disinfectants.



NEW GENERATION  
**INNOVATION**  
 NEW GENERATION

**INDICATIONS**

Cleaning of medico-surgical equipment, medical devices, thermosensitive instruments and endoscopic equipment in soaking tank and ultrasonic bin.

**COMPOSITION**

Non-ionic and anionic surfactants, enzyme complex (protease, lipase and amylase), excipients.

**PACKAGING - REF.**

12 dosing bottles, 1L each ..... 2388.095  
 4 cans, 5L each + 25 ml pump ..... 2388.036

**INSTRUCTIONS FOR USE**



**PRODUCT TO BE DILUTED**  
 i.e. 25 ml for 5L

## ANIOSYME SYNERGY 5

- » 5-enzymes detergent with broad-spectrum performance.
- » Multi-application: soaking, ultrasonic bath, washer-disinfector.
- » Effective from 1 minute in washer-disinfector.
- » Effective in all qualities of water (softened, mains, etc.).
- » VOC-free formulation, neutral pH at dilution of use.

**INSTRUCTIONS FOR USE**



**TO BE DILUTED**  
 between 0,05 and 0,5%



**INDICATIONS**

Cleaning of medico-surgical equipment, medical devices, thermosensitive instruments and endoscopic material in soaking, ultrasonic bath, automatic washing machine and washing tunnel.

ANIOSYME SYNERGY 5, with its 5 enzymes (amylase, cellulase, lipase, mannanase and protease), provides broad-spectrum performance on the ingredients of all kinds of soil.

**COMPOSITION**

Ionic surfactants, sequestering agent, stabilising agent, enzyme complex (protease, lipase, amylase, cellulase, mannanase), excipients.

**PACKAGING - REF.**

**Use for soaking or ultrasonic bath**  
 12 dosing bottles, 1L each ..... 2235.095  
 4 cans, 5L each + 25 ml pump ..... 2235.036  
**Use in machine**  
 2 cans, 5L each ..... 2235.038

FLOORS & SURFACES

SPRAYING DISINFECTION

INSTRUMENTATION

MACHINES & TUNNELS

HAND HYGIENE

WATER FILTRATION

SPECIAL APPLICATIONS

BIOCIDAL PRODUCT REGULATION STANDARDS GLOSSARY

# PRE-TREATMENT



**NEW**

## ANIOS' CLEAN EXCEL D



- » Original combination of active substances in synergy.
- » High level of detergence demonstrated.
- » Active against MDRB and HRB.
- » Effective even in hard water.
- » Non-corrosive formulation, compatible with a broad range of materials.

### INDICATIONS

Cleaning and pre-disinfection of surgical and medical instruments, medical devices, thermosensitive instruments and endoscopic equipment. Collection of soiled instrumentation.


### COMPOSITION

Didecylidimethylammonium chloride, chlorhexidine digluconate, non ionic and amphoteric surfactants, fragrance, colouring, excipients.

### PACKAGING - REF

200 doses, 25 ml each .....	<b>2416.097</b>
12 dosing bottle, 1L each.....	<b>2416.095</b>
4 cans, 5L each + 25 ml pump.....	<b>2416.036</b>

### INSTRUCTIONS FOR USE

 **PRODUCT TO BE DILUTED**  
i.e. 25 ml for 5L  
Active from 15 min.



ACTIVE AGAINST	ACCORDING TO STANDARDS
<b>BACTERIA</b>	EN 1040, EN 13727, EN 14561 Active against MDRB and HRB according to EN 13727
<b>MYCOBACTERIA</b>	Mycobacterium terrae : EN 14348, EN 14563
<b>YEASTS</b>	EN 1275, EN 13624, EN 14562
<b>VIRUSES</b>	According to EN 14476 : HIV-1, PRV (surrogate of HBV), BVDV (surrogate of HCV), Vaccinia virus, Herpesvirus

# PRE-TREATMENT

## ANIOSYME X3

- » Patented formula.
- » Very high performing detergency.
- » Optimized antimicrobial efficacy from 5 minutes.
- » Non corrosive on materials.



### INDICATIONS

Reinforced cleaning and pre-disinfection of medico-surgical instrumentation, medical devices and endoscopic equipment. Cleaning in ultrasonic bins. Collecting of soiled instrumentation.

### COMPOSITION

Quaternary ammonium propionate, Chlorhexidine digluconate, non-ionic surfactants, enzyme complex (protease, lipase and amylase), perfume, colorant, excipients.

### PACKAGING - REF.

12 dosing bottles, 1L each .....2633.095  
4 cans, 5L each + 25 ml pump .....2633.036

### INSTRUCTIONS FOR USE



**PRODUCT TO BE DILUTED**  
i.e. 25ml for 5L

Active from 5 min.

ACTIVE AGAINST	ACCORDING TO STANDARDS
BACTERIA	EN 1040, EN 13727, EN 14561 MdRB according to EN 13727
YEASTS	EN 1275, EN 13624, EN 14562
VIRUSES	According to EN 14476 : active against HIV-1, PRV (surrogate of HBV), Herpesvirus, BVDV (surrogate of HCV), Vaccinia virus





# PRE-TREATMENT

## ANIOSYME PLA II

- » Bactericidal and fungicidal powder, active against viruses from 15 minutes.
- » Compatible with any type of automatic washing machine for medical and surgical instruments.
- » Tri-enzyme complex (protease, lipase, amylase).
- » Demonstrated detergent efficacy (DCP\*).



### Our advice

- Alkaline pH : check the compatibility with medical device.

#### INDICATIONS

Tri-enzyme cleaning and pre-disinfection of medical devices: collecting of stained instrumentation, manual cleaning before sterilization, cleaning in ultrasonic bins, instrumentation cleaning in washing machine.

#### COMPOSITION

Didecyltrimethylammonium chloride, non-ionic surfactant, tri-enzyme complex (protease, lipase, amylase), chelating agent, excipients.

#### PACKAGING-REF.

100 doses, 25 g each .....	1307.234
4 buckets, 2 kg each .....	1307.060
2 buckets, 5 kg each .....	1307.319

#### INSTRUCTIONS FOR USE



#### PRODUCT TO BE DILUTED

i.e. 25g for 5L

Active from 15 min.

ACTIVE AGAINST	ACCORDING TO STANDARDS
BACTERIA	EN 1040, NF T 72-170, EN 13727
MYCOBACTERIA	Active against BK (BACTEC)
YEASTS/MOULDS	EN 1275, EN 13624, EN 14562
VIRUSES	Active against HIV-1, PRV (surrogate of HBV), Herpesvirus, Rotavirus



Double action: pre-disinfection and high-level disinfection

## ANIOSEPT ACTIV

- » 2 in 1 powder: cleaning and high level disinfection.
- » Wide antimicrobial spectrum
- » Demonstrated detergent efficacy (DCP\*).
- » Shelf-life: 2 years.

#### INDICATIONS

Cleaning and disinfection of medical devices (at 0,5 or 1%). High level disinfection/cold sterilization of medical devices. Collection of stained instrumentation in ultrasonic bath.

#### COMPOSITION

Powder based on sodium percarbonate, tetraacetylenediamine and N-alkyl(C12-14)-N-benzyl-N, N-dimethylammonium chloride. Extemporaneous production of peracetic acid when diluted in water.

#### PACKAGING-REF.

4 buckets, 1 kg each .....	1896.732
2 buckets, 5 kg each .....	1896.733

#### INSTRUCTIONS FOR USE



#### PRODUCT TO BE DILUTED

Between 0,5% and 2%

Active from 5 min.

ACTIVE AGAINST	ACCORDING TO STANDARDS
BACTERIA	EN 1040, EN 13727, EN 14561 Active against MDRB according to EN 13727, EN 13697
MYCOBACTERIA	EN 14348, EN 14563
YEASTS/MOULDS	EN 1275, EN 13624, EN 14562
VIRUSES	Active against Poliovirus, Adenovirus and Norovirus MNV according to EN 14476 According to EN 14476: active against PRV (surrogate of HBV), BVDV (surrogate of HCV), Vaccinia virus, Rotavirus, Polyomavirus SV40
SPORES OF BACTERIA	EN 14347, EN 13704 Active against Clostridium difficile according to EN 13704

Tests are carried out according to the European system of normalization in dirty conditions.

\*Degreasing Cleaning Power (DCP):

A methodology developed by Laboratoires ANIOS, demonstrated and reproducible, allowing to study the compared detergent efficacy of a product.



# HIGH-LEVEL DISINFECTION



**FOR THESE PRODUCTS**  
Control the bath conformity using a specific test strip.



## ANIOXYDE 1000

- » Broad spectrum in 5 minutes.
- » First high level disinfectant from PHERA® system (1998).
- » Alternative to glutaraldehyde.
- » Aldehyde free: no fixation of proteins.
- » Acetic acid free.
- » Broad compatibility materials/medical devices.
- » Soaking bath stability : 14 days.



**INSTRUCTIONS FOR USE**  
READY-TO-USE  
AFTER ACTIVATION  
Active in 5 min.

### Our advice

Previously clean the medical device with a product like ANIOSYME XL3 or ANIOS'CLEAN EXCEL D.

#### INDICATIONS

High level disinfectant / Cold sterilant of surgical, medical, endoscopic, thermosensitive equipment and medical devices.

#### COMPOSITION

Extemporaneous production of peracetic acid from acetylcaproactam (PHERA® system). ANIOXYDE 1000-GENERATOR contains 3% of hydrogen peroxide.

#### PACKAGING-REF

4 cans, 5L each + integrated activator..... 1081.299  
1 box of 50 peracetic acid control test-strips..... 100.194

ACTIVE AGAINST	ACCORDING TO STANDARDS
<b>BACTERIA</b>	EN 1040, EN 13727, EN 14561 Active against MDRB according to EN 14561
<b>MYCOBACTERIA</b>	EN 14348, EN 14563
<b>YEASTS MOULDS</b>	EN 1275, EN 13624, EN 14562
<b>VIRUSES</b>	EN 14476 (Poliovirus, Adenovirus) According to EN 14476: HIV-1, PRV (surrogate of HBV), Polymavirus SV40
<b>SPORES OF BACTERIA</b>	EN 14347, EN 13704 Active against Bacillus cereus according to EN 13704 Active against Clostridium difficile according to EN 13704 Active against Clostridium sporogenes according to EN 13704

# HIGH-LEVEL DISINFECTION

## ANIOXY-TWIN CONCENTRÉ

- » Broad spectrum in 15 minutes.
- » Contains stabilised peracetic acid.
- » Aldehyde free formulation.
- » Concentrated product without activation reaction.
- » Stability of soaking bath: 24 hours.
- » Compatibility material/medical devices.



Ready to use after reconstitution

**INDICATIONS**

High level disinfection of surgical, medical, endoscopic and thermosensitive equipment and medical devices.

**COMPOSITION**

Activated solution of ANIOXY-TWIN CONCENTRE containing 1200 ppm of peracetic acid.

**PACKAGING-REF.**

12 twin-bottles..... 1343.408  
1 box of 50 peracetic acid control test-strips.....100.265

**INSTRUCTIONS FOR USE**



**READY-TO-USE AFTER RECONSTITUTION**

Active in 15 min.

ACTIVE AGAINST	ACCORDING TO STANDARDS
BACTERIA	EN 1040, EN 1276, EN 13727, EN 14561
MYCOBACTERIA	EN 14348, EN 14563
YEASTS/MOULDS	EN 1275, EN 1650, EN 13624, EN 14562
VIRUSES	EN 14476 (Poliovirus, Adenovirus) Active against HIV-1, BVDV (surrogate of HCV), PRV (surrogate of HBV)
SPORES OF BACTERIA	EN 14347, NF T 72-230/231

## ACTANIOS HLD

- » High level disinfection in 15 min.
- » Activity on NCTA (prions) in 30 min.
- » Stability of soaking bath: 14 days.
- » Shelf-life : 2 years.
- » Immediately usable after mix.



Odourless

**INDICATIONS**

High level disinfection of medical and surgical equipment, endoscopic and thermosensitive equipment and medical devices. Treatment of medical devices likely to be in contaminated by the prion protein (NCTA).

**COMPOSITION**

Hydrogen peroxide in solution with stabilizing agents.

**PACKAGING-REF**

2 cans, 4.8L each + integrated additive 200 ml bottle..... 1913.633  
1 box of 50 peracetic acid control test-strips.....100.337



ACTIVE AGAINST	ACCORDING TO STANDARDS
BACTERIA	EN 1040, EN 13727, EN 14561
MYCOBACTERIA	EN 14348, EN 14563
YEASTS MOULDS	EN 1275, EN 13624, EN 14562
VIRUSES	EN 14476 (Poliovirus, Adenovirus)
SPORES OF BACTERIA	NF T 72-231: Bacillus subtilis

**INSTRUCTIONS FOR USE**



**READY-TO-USE AFTER MIXING**

Active from 15 min.



Control of bath conformity using a specific test strip.



# HIGH-LEVEL DISINFECTION



## STERANIOS 2% STERANIOS 2% NG

- » Ready-to-use solution: absence of activator.
- » Stability of soaking bath: 30 days.
- » Steranios 2% NG limits the evaporation of glutaraldehyde.



**INSTRUCTIONS FOR USE**



**READY-TO-USE**  
Active from 10 min.

**INDICATIONS**

High level disinfection of medical devices, surgical, medical, endoscopic and thermosensitive equipment.

**COMPOSITION**

**STERANIOS 2%** : 2% glutaraldehyde solution, buffered at pH 6 in the presence of surface effects catalysor, colouring, excipients.

**STERANIOS 2% NG** contains two compounds limiting glutaraldehyde evaporation when associated.

PACKAGING-REF	STERANIOS 2%	STERANIOS 2% NG
4 cans, 5L each.....	<b>382.034</b>	<b>383.034</b>

ACTIVE AGAINST	ACCORDING TO STANDARDS
<b>BACTERIA</b>	EN 1040, EN 13727, EN 14561
<b>MYCOBACTERIA</b>	EN 14348, EN 14563
<b>YEASTS MOULDS</b>	EN 1275, EN 13624, EN 14562
<b>VIRUSES</b>	EN 14476 (Poliovirus, Adenovirus) Active against HIV-1, HBV, BVDV (surrogate of HBV), Herpesvirus
<b>SPORES OF BACTERIA</b>	NF T 72-230/231 Active against Clostridium sporogenes according to NF T 72-301

**NEW**

## OPASTER'ANIOS

- » Ready to use solution.
- » Broad antimicrobial spectrum.
- » Control of the bath conformity using a specific test strip.
- » Odourless.
- » Stability of soaking bath: 14 days.



**INSTRUCTIONS FOR USE**



**READY-TO-USE**  
Active from 5 min.

**INDICATIONS**

Orthophtalaldehyde based solution for treatment of thermosensitive medical devices.

**COMPOSITION**

Orthophtalaldehyde solution (0,55%), colouring, fragrance.

**PACKAGING-REF**

4 cans, 5L each.....	<b>2504.028</b>
----------------------	-----------------

ACTIVE AGAINST	ACCORDING TO STANDARDS
<b>BACTERIA</b>	EN 1040, EN 13727, EN 14561
<b>MYCOBACTERIA</b>	EN 14348, EN 14563
<b>YEASTS MOULDS</b>	EN 1275, EN 13624, EN 14562
<b>VIRUSES</b>	EN 14476 : Poliovirus, Adenovirus, Norovirus MNV Active against PRV (surrogate of HBV), BVDV (surrogate of HCV), Vaccinia virus, Herpesvirus
<b>SPORES OF BACTERIA</b>	Active against Clostridium difficile 027 according to EN 14347, EN 13704

## EQUIPMENT

## INSTRUBACS NOT SUITABLE FOR AUTOCLAVING

» Soaking bins for collection of stained instrumentation.



SOAKING BINS NOT SUITABLE FOR AUTOCLAVING

	LIVE VOLUME	INTERNAL DIMENSIONS (LxWxH)	WITHOUT TAP	WITH TAP
① INSTRUBAC 20L	10 L	48.5 x 27 x 17 cm	404.006	404.023
② INSTRUBAC 20L Specific for orthopedics	10 L	54 x 25.5 x 25 cm	404.179	-
③ INSTRUBAC 20L flat	10 L	53 x 36 x 11.5 cm	406.011	404.411

SOAKING BINS NOT SUITABLE FOR AUTOCLAVE MADE IN POLYPROPYLENE

» Better mechanical resistance / No edge.

	LIVE VOLUME	INTERNAL DIMENSIONS (LxWxH)	WITHOUT TAP	WITH TAP
④ INSTRUBAC 40L	20 L	53 x 36 x 22 cm	406.012	404.412
⑤ INSTRUBAC 60 L	40 L	53 x 36 x 30.5 cm	406.013	404.413

» Several tap positioning available.

## INSTRUBACS FOR AUTOCLAVING

» Soaking bins for collection, pre-disinfection and disinfection of instrumentation.



SOAKING BINS SUITABLE FOR AUTOCLAVING WITH ENVELOPING LID

	LIVE VOLUME	INTERNAL DIMENSIONS (LxWxH)		WITHOUT TAP	WITH TAP
① INSTRUBAC 1L	0,5 L	24.5 x 11 x 7.5 cm	single	404.010	-
② INSTRUBAC 2L	2 L	23 x 17 x 9 cm	with slit without slit	404.038 404.039	-
③ INSTRUBAC 4L	4 L	42 x 14 x 8.5 cm	single Twin	404.157 404.158	-
④ INSTRUBAC 5L	5 L	36.5 x 25.5 x 9 cm	single	404.002NM	-
⑤ INSTRUBAC 15 L ENDOSCOPES	15 L	85.5 x 18 x 7.5 cm	single Twin	404.450 404.451	404.024 404.025

SOAKING BINS SUITABLE FOR AUTOCLAVING + LID WITH HINGES

	LIVE VOLUME	INTERNAL DIMENSIONS (LxWxH)		WITHOUT TAP	WITH TAP
⑥ INSTRUBAC 20L	10 L	L48.5 x l27 x H17 cm	single Twin	404.014 404.019	404.021 404.022

» Several tap positioning available.



# EQUIPMENT

## MOBILE MODULES

**TECHNICAL CHARACTERISTICS**

Stainless steel mobile modules for 15L or 20L Instrubacs suitable for autoclaving.

**DIMENSIONS**

For 15 L INSTRUBACS module: : 950 L x 440 W x 760 H mm

For 20 L INSTRUBACS module: 1022 L x 340 W x 750 H mm

**REF.**

Module for INSTRUBAC 15 L .....404.077

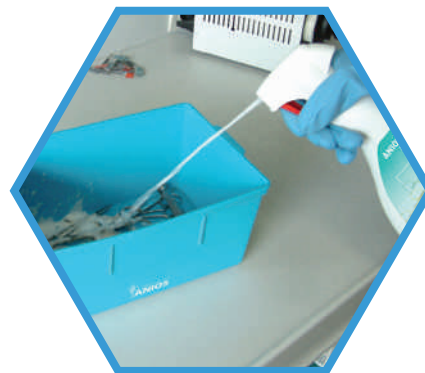
Module for INSTRUBAC 20 L .....404.020

For collection



Our advice

For collection of the instrumentation with mobile modules, use ANIOSYME PRIME (p26).



For soaking

## DISINFECTATION MOBILE MODULE

**INDICATIONS**

Mobile module for collection of stained instruments and non-immersible equipment. Designed for use with Instrubacs 40L or 60L.

**TECHNICAL CHARACTERISTICS**

- Stainless Steel
- Dimensions : 700 L x 500 W x 710 H (mm).  
Height with 40L INSTRUBAC: 940 mm.  
Height with 60L INSTRUBAC: 1070 mm

**REF.**

Trolley .....404.009



ALSO AVAILABLE

## ULTRASONIC CLEANING AND IRRIGATION EQUIPMENT

**INDICATIONS**

Equipment for ultra-sonic cleaning and irrigation of hollow bodies.

**TECHNICAL CHARACTERISTICS**

- 40L stainless steel tank
- Ultrasonic power: 600 W
- Power supply power: 1000 W
- Puissance chauffage : 3000 W

**REF.**

Ultra-sonic cleaning and irrigation equipment L5407 T .....404.671



# EQUIPMENT

## MOBILE DISINFECTION RACK



### INDICATIONS

The mobile rack allows a complete irrigation of the endoscope channels with the cleaning product.

### TECHNICAL CHARACTERISTICS

- Autoclavable and easily detachable irrigator tubes.
- A rated high-speed double channel circulation peristaltic pump.
- Secure pressure by initial adjustment and adaptation of ANIOS tubes.
- Electronic control with an organic LED display screen: configuration pre-set for each channel irrigation cycle.
- Optional traceability (ticket printer).

### REF.

Mobile disinfection rack.....	405.487
Options :	
Matrix printer .....	405.483
Silicone pump pipes .....	405.482
Printer paper (10 rolls).....	405.488

## ENDOSCOPE STORAGE CUPBOARDS

### MOBILE CUPBOARD

#### TECHNICAL CHARACTERISTICS

- Beige EPOXY steel cupboard.
- 10 or 15 trays, sterilizable at +134°C (trays provided).
- Dimensions :
  - 10 endoscopes trays cupboard: External: H 190 x W 97 x D 58 cm Internal: H 160 x W 80 x D 45 cm
  - 5 endoscopes trays cupboard External: H 160 x W 97 x D 58 cm Internal: H 138 x W 80 x D 45 cm
- Roll top closing.
- Key lock.
- Frame with protective bumpers.
- 4 castors. 2 brakes.
- 2 chromed operating handles.
- Loaded PP (polypropylen) trays.



10 endoscopes horizontal mobile cupboard

MOBILE CUPBOARD*		
Horizontal storage (with trays)		
Quantity of endoscopes	5	10
References	404.088	404.085
Trays	404.085C	404.085C

\*Quotation upon request



Ventilated cupboard with bulkhead doors

### BUILT-IN CUPBOARD

#### TECHNICAL CHARACTERISTICS

- White built-in cupboard.
- Built-in cupboard with one door or double bulkhead doors between two rooms.
- Storage up to 15 endoscopes depending of the version.
- Available for vertical or horizontal storage (with trays).
- Retention tank.
- Options:
  - Securit glass door.
  - Ventilation sytem.
- Non ventilated cupboard dimensions: H 200 x W 100 x D 60 cm

	BUILT-IN CUPBOARD*							
	Vertical storage				Horizontal storage (with trays)			
	Non ventilated		ventilated		Non ventilated		ventilated	
	double bulkhead doors	one door	double bulkhead doors	one door	double bulkhead doors	one door	double bulkhead doors	one door
Quantity of endoscopes	10	15	10	15	10			
Melamine doors	404.511	404.512	404.513	404.514	404.515	404.516	404.517	404.518
Glass door	404.521	404.522	404.523	404.524	404.525	404.526	404.527	404.528
Tray (per piece)	-	-	-	-	404085C	404085C	404085C	404085C

\*Quotation upon request

## EQUIPMENT

## HDAI ENDOSCOPIC MODULE

» Fully automated module.



## HIGH PERFORMANCE SECURITY SYSTEMS AND A QUALITY SERVICE

## COMPUTER TRACEABILITY

An independent traceability system ensures that the module is operational in fail soft mode even in the event of an IT system failure. Each stage of the disinfection process is traced via an identification chip dedicated to each endoscope and a badge. Full traceability is ensured via a ticket which identifies the operator, the endoscope, the chronology of the different phases, contact times and products with its bath numbers.



## PREFILTRATION

Prefiltration on 0.5µm membrane and terminal filtration for 0.2µm filter.

## VAPOURS SUCTION

Emitted by total cold disinfection solutions, using an extractor unit containing active charcoal, adapted to suit new molecules (peracetic acid).

## LIQUID-TIGHTNESS TEST

Detects any perforation in the endoscope tubing.



## PERISTALTIC PUMP

- No contact between liquid and mechanical parts.
- Pressure made safe through factory adjustment.
- A control touch screen.

## ADAPTABILITY

We advise you in your choice after studying the layout of the room, the equipment level required, the type of activity and the frequency of operations. Depending on the configuration of your site, and to ensure optimum ease of use, the endoscopes can be processed from left to right or from right to left.

## FORMATION

Personalised protocols of use, workshops... our material department and associated services stay at your disposal for any further request.

## AUTOMATED DISINFECTION OF SIPHONS





# MACHINES & TUNNELS



## EFFICIENT, ECOLOGICAL, ECONOMICAL...

The performance of a washer-disinfector varies from one model to another. In most cases, correct adjustment of the product concentration, combined with a balance of other factors (water quality, instrumentation, degree of stains...), enables the cycle time and temperature to be reduced, thus saving time and energy.

Benefiting from the help of an automated treatment expert, Laboratoires ANIOS conceived a complete product range to assure you an optimum treatment of your instruments.





## DETERGENT AND DISINFECTANT-DETERGENT PRODUCTS

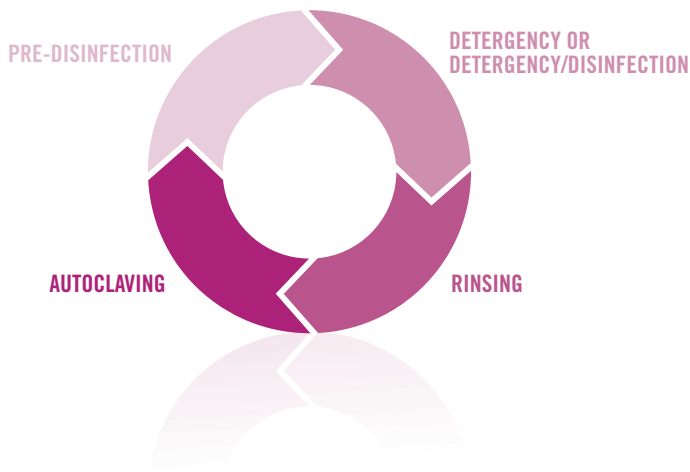
- 40 ANIOSYME DLM MAXI / ANIOSYME SYNERGY 5
- 41 ANIOSYME SYNERGY WD **NEW**
- 41 ACTANIOS LDI

## RINSING AND RESTORING PRODUCTS

- 42 ANIOS RDA **NEW** / ANIOS RN
- 43 ANIOS R444 / ANIOS LUB
- 43 ANIOS RÉNOVATEUR DMI

# DETERGENT AND DISINFECTANT-DETERGENT PRODUCTS

## A complete cycle in washer-disinfector



### Our advice

Use the detergent-disinfectant foam ANIOSYME PRIME in pre-treatment (p.26).

## ANIOSYME DLM MAXI

- » Formula reinforced in detergency (kinetics optimised).
- » Compatible with all types of materials (stainless steel, titanium, synthetic, polysulphones, PVC/ABS, anodised aluminium...).
- » Alkaline pH.



### INDICATIONS

Cleaning of surgical and medical equipment and medical devices in automatic washing machines and tunnel washers.

### COMPOSITION

Non-ionic and anionic surfactants, sequestering agents, enzyme complex, excipients. Specially recommended in combination with ANIOS rinsing products.

### PACKAGING - REF.

2 cans, 5 L each.....	1920.038
10 L can.....	1920.024
25 L can.....	1920.018
200 L drum.....	1920.005

### INSTRUCTIONS FOR USE



**AUTOMATIC DILUTION**  
between 0,1 et 0,5%.

## ANIOSYME SYNERGY 5

- » 5-enzymes detergent with broad-spectrum performance.
- » Multi-application: soaking, ultrasonic bath, washer-disinfector.
- » Effective after 1 minute in washer-disinfector.
- » Effective in all qualities of water (softened, mains, etc.).
- » VOC-free formulation, neutral pH at use dilution.



### INDICATIONS

Cleaning of surgical and medical equipment, medical devices, thermosensitive instruments and endoscopic equipment in soaking, ultrasonic bath, automatic washing machine and washing tunnel. ANIOSYME SYNERGY 5, with its 5 enzymes (amylase, cellulase, lipase, mannanase and protease), provides broad-spectrum performance on the ingredients of all kinds of soil.

### COMPOSITION

Non-ionic and anionic surfactants, sequestering agent, stabilising agent, enzyme complex, excipients.

### PACKAGING - REF.

2 cans, 5L each.....	2235.038
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### INSTRUCTIONS FOR USE



**PRODUCT TO BE DILUTED**  
between 0,05 and 0,5%.

# DETERGENT AND DISINFECTANT-DETERGENT PRODUCTS

**NEW**

## ANIOSYME SYNERGY WD

- » Very strong detergent power demonstrated.
- » Tri-enzyme complex: effective on all kinds of soiling.
- » Highly effective with any quality of water.

### Our advice

Use in combination with ANIOS RDA (p.42).



#### INDICATIONS

Cleaning of surgical and medical equipment, medical devices in automatic washing machine and washing tunnel.

#### COMPOSITION

Non-ionic and anionic surfactants, sequestering agent, stabilising agent, enzyme complex (protease, amylase, lipase), excipients.

#### PACKAGING - REF.

2 cans, 5L each..... 2387.038

#### INSTRUCTIONS FOR USE



**PRODUCT TO BE DILUTED**  
between 0,3 and 0,7%.

## ACTANIOS LDI

- » Formula reinforced in detergency.
- » Recommended in the presence of considerable organic soiling.
- » Alkaline pH.
- » Free of phosphate, EDTA, and NTA.



#### INDICATIONS

Treatment of medical and surgical material, and medical devices in automatic washing machine and washing tunnel.

#### COMPOSITION

Alkaline agent, non-ionic and amphoteric surfactants, dispersing and anticorrosive agent.

#### PACKAGING - REF.

2 cans, 5L each.....1987.369  
10 L can.....1987.654  
20 L can.....1987.271  
200 L drum.....1987.005

#### INSTRUCTIONS FOR USE



**PRODUCT TO BE DILUTED**  
between 0,1 et 1%.

Active in 10 min.

ACTIVE AGAINST	ACCORDING TO STANDARDS
BACTERIA	EN 14561
MYCOBACTERIA	EN 14563
YEASTS MOULDS	EN 14562
VIRUSES	EN 14476 against Poliovirus, According to EN 14476: BVDV (surrogate of HCV), Vaccinia virus

### Our advice

Ensure previously about the compatibility between materials and metals with ACTANIOS LDI and all the other products used during the cleaning cycle.





# RINSING AND RESTORING PRODUCTS

**NEW**

## ANIOS RDA



- » For a brighter instrumentation, without trace.
- » Drying activator with lubricant effect.
- » Can be used in any quality of water (osmotic or softened).
- » Highly compatible with polysulfones and POM.
- » Specially designed to use in combination with ANIOS detergents.



### INDICATIONS

Rinsing product for medico-surgical instruments and medical devices in an automatic machine supplied with osmotic or non-osmotic water. Lubricant effect coupled with a neutralising effect on alkaline residues from detergents and water during the washing cycle. Drying activator.

### COMPOSITION

Combination of non-ionic and anionic surfactants in an acid medium.

### PACKAGING - REF.

2 cans, 5L each .....	2372.038
10L can .....	2372.024
25L can .....	2372.018

### INSTRUCTIONS FOR USE



**AUTOMATIC DILUTION**  
Between 0,03 and 0,1%

## ANIOS RN



- » Neutralises alkaline products.
- » Also suitable for short cycles of tank washing.
- » Complexing effect of minerals.



### INDICATIONS

Neutralization of alkaline residues coming from detergents and water during the washing cycle in automatic washers of medico-surgical instruments and medical devices.

### COMPOSITION

Formulation based on phosphoric acid.

### PACKAGING - REF.

2 cans, 5L each .....	193.038
10L can .....	193.024

### INSTRUCTIONS FOR USE



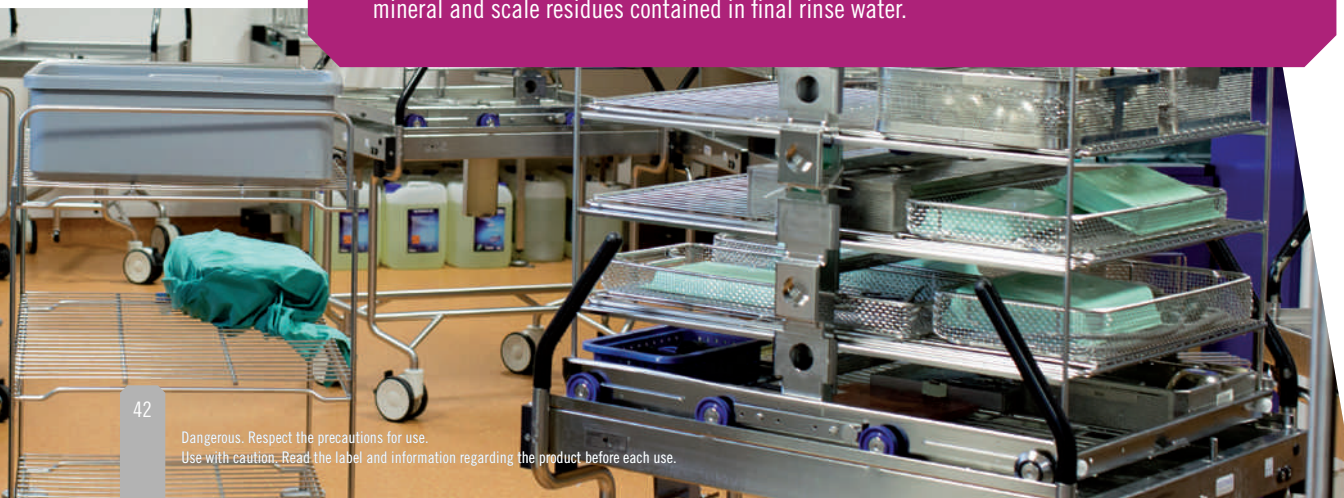
**AUTOMATIC DILUTION**  
Between 0,1 and 0,5%

## HOW TO AVOID THE APPEARANCE OF TRACES?

**Scale** is the result of the precipitation of calcium and magnesium in hard water, helped by high temperature and pH.

To avoid scale residues and traces, we recommend:

- **An Intermediate Acid Rinsing (with ANIOS RN)**  
An acid rinse neutralises alkaline residues, solubilises mineral ions contained in the water and on instruments, maintaining the instrumentation's brilliance.
- **A Final Rinsing (with ANIOS RDA)**  
A rinsing drying activator, thanks to its sequestering and solubilising agents, helps, during the drying step, the elimination of residual water and avoids the appearance of traces resulting from mineral and scale residues contained in final rinse water.





# RINSING AND RESTORING PRODUCTS



## ANIOS R444

- » Eliminates rust pitting, protein traces, iron oxide deposits and other oxide stains.
- » Eliminates mineral deposits.
- » Soaking method: integrated dosing system.
- » Compatible with any quality of dilution water.

Usable in ultrasonic bin



**INDICATIONS**

A specific renovation product for stainless steel instruments and medical devices. Removes protein traces, iron oxide deposits and other oxide stains.

**COMPOSITION**

Phosphoric acid, non-ionic surfactants.

**PACKAGING - REF.**

3 dosing bottles, 1L each ..... 191.137

**INSTRUCTIONS FOR USE**



**PRODUCT TO BE DILUTED**

0.5 to 5% i.e. 5 to 50ml for 1L



## ANIOS LUB

- » Eliminates rust pitting.
- » Eliminates mineral deposits.
- » Eliminates protein traces, iron oxide deposits and other oxide stains.



**INDICATIONS**

Lubrication by soaking of articulated instrumentation.

**COMPOSITION**

Non-ionic surfactants, lubricating agent, preservative agents.

**PACKAGING - REF.**

3 dosing bottles, 1L each ..... 883.137

**INSTRUCTIONS FOR USE**



**PRODUCT TO BE DILUTED**

2.5% i.e. 25ml for 1L



## ANIOS RENOVATEUR DMI

- » Removes organic deposits.
- » Renews the instruments shine.



**INDICATIONS**

Renovating cleaning product for medico-surgical instrumentation. Allows the removal of organic deposits. Usable in machines, ultrasonic tanks or manual soaking.

**COMPOSITION**

Potassium hydroxide, sodium hypochlorite and deflocculating and dispersing agents.

**PACKAGING - REF.**

2 cans, 5L each ..... 1677.509  
10L can ..... 1677.602

**INSTRUCTIONS FOR USE**



**AUTOMATIC DILUTION**

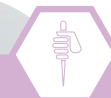
OR



**PRODUCT TO BE DILUTED**

0.4 to 1% i.e. 4 to 10ml for 1L

# HAND HYGIENE



## SURGICAL HAND DISINFECTION BY FRICTION

Surgical hand disinfection by friction was previously named « surgical antisepsis of hands » because the European standards were not yet published. It started in 1995 in France and then was confirmed in 1999 with the edition of the guidelines “100 recommendations for surveillance and prevention against nosocomial infections”. The north-American guidelines, published in 2007, reclaim the importance of hand disinfection in prevention for pathogenic agents’ transmission. Since 2006, the W.H.O. edited guidelines with the slogan “Clean care is safer care” pushing ahead hand disinfection. Many publications highlight advantages linked to hydroalcoholic products use, in terms of tolerance, observance and cost. The formula of hydroalcoholic products and their components results in those advantages.

Today, the technique evolved toward a “good procedure” described in 7 steps in the guidelines of 2009 and hand rubbing is an indicator for the fight against nosocomial infections. Many studies realised in hospitals allow to connect the MRSA level decreasing to the hydroalcoholic products consumption.



## CREAM AND GENTLE SOAPS

- 46 CRÈME PROTECTRICE
- 46 ANIOSAFE MANUCLEAR NPC HF
- 46 ANIOSAFE SAVON DOUX HF

## ANTISEPTIC SOAPS

- 47 DERMANIOS SCRUB CG
- 47 DERMANIOS SCRUB CHLORHEXIDINE 4% **NEW**
- 47 DERMANIOS SCRUB POVIDONE IODINE

## HYDROALCOHOLIC GEL AND SOLUTIONS

- 48 ANIOSGEL 85 NPC / ANIOSRUB 85 NPC
- 49 ANIOSGEL 800 **NEW** / ANIOSRUB 800 **NEW**

## EQUIPMENT

- 50 COUCOU BOX / GEL DISPENSER TOTEM
- 51 WASHBASINS
- 53 DISPENSERS AND HOLDERS

# CREAM AND GENTLE SOAPS

## CRÈME PROTECTRICE

- » Formula without paraben.
- » Non greasy concentrated formula.
- » Penetrates and takes effect quickly.
- » Contains glycerine and shea butter.



**INSTRUCTIONS FOR USE**

Pour about 1ml on clean and dry skin.  
Massage hands without forgetting the palm and nails. Wait until dry.

**INDICATIONS**

Glycerin and shea butter present in the CRÈME PROTECTRICE bring the essential ingredients to protect hands irritated by the stresses and strains of daily life (descaling agents, solvents, etc...).

**INGREDIENTS**

Aqua (Water), Glycerin, Cetearyl Alcohol, Sodium Cetearyl Sulfate, Cyclopentasiloxane, Butyrospermum Parkii (Shea) Butter, Cyclohexasiloxane, Triethanolamine, Sodium Benzoate, Stearic Acid, Levulinic Acid, Parfum (Fragrance), p-Anisic Acid, Sodium Levulinate, o-Cymen-5-ol, Hexyl Cinnamal, Benzyl Benzoate, Benzyl Salicylate, Linalool, Citronellol, Hydroxycitronellal, Butylphenyl Methylpropional, Hydroxyisohexyl 3-Cyclohexene Carboxaldehyde.

**PACKAGING - REF.**

1	50 bottles, 50ml each .....	399.756
2	50 tubes, 100ml each .....	399.372
3	12 bottles, 500ml each with screwed pump.....	399.236

## ANIOSAFE MANUCLEAR NPC HF

- » Without detergent agents, nor fragrance and colouring.
- » Enriched in moisturizing substance.
- » Adapted to sensitive skins and for frequent use.
- » Preservation of the product demonstrated according to NF EN ISO 11930.



DERMATOLOGICALLY TESTED



**INDICATIONS**

Recommended for frequent hand hygiene and general body cleansing in hospital.

**INGREDIENTS**

Aqua (Water), Cocamidopropyl Betaine, Glycerin, Sodium C14-17 Alkyl Sec Sulfonate, PEG-200 Hydrogenated Glyceryl Palmate (and) PEG-7 Glyceryl Cocoate, Benzyl Alcohol, Sodium Benzoate, Sodium Chloride, Lactic acid.

**PACKAGING - REF.**

	24 bottles, 250ml each .....	1921.117
1	12 bottles, 500ml each, with screwed pump.....	1921.228
	12 bottles, 500ml each, for dispenser.....	1921.110
2	12 bottles, 1L each, with screwed pump .....	1921.229
3	12 airless bottles, 1L each .....	1921.144
	5L can .....	1921.034

**INSTRUCTIONS FOR USE**

Wash for 30 seconds. Rinse. Dry thoroughly.



1 PUMP SQUIRT

Find our dispenser range p.53

## ANIOSAFE SAVON DOUX HF

**INDICATIONS**

Recommended for frequent hand hygiene and general body cleansing in hospital.

**INGREDIENTS**

Aqua (Water), Disodium Lauroamphodiacetate, Sodium Lauryl Sulfate, Hexylene Glycol, Glycerin, Linoleamide DEA, Disodium Ricinoleamide MEA-Sulfosuccinate, Benzyl Alcohol, Sodium Benzoate, PEG-200 Hydrogenated Glyceryl Palmate and PEG-7 Glyceryl Cocoate, Parfum (Fragrance), Lactic acid.

**PACKAGING - REF.**

1	12 bottles, 500ml each, with screwed pump.....	1918.228
2	12 bottles, 500ml each, for dispenser.....	1918.110
3	12 bottles, 1L each, with screwed pump .....	1918.229
4	12 airless bottles, 1L each .....	1918.144
	4 cans, 5L each.....	1918.034

**INSTRUCTIONS FOR USE**

Wash for 30 seconds. Rinse. Dry thoroughly.



1 PUMP SQUIRT



- » Without detergent agent.
- » Enriched in moisturizing substance.
- » Preservation of the product demonstrated according to NF EN ISO 11930.



DERMATOLOGICALLY TESTED



# ANTISEPTIC SOAPS

## DERMANIOS SCRUB CG

- » Hygienic Handwash: 3ml/30 seconds.
- » Broad antimicrobial spectrum, including against MDRB.



READY-TO-USE  
Active from 30 sec.

### INDICATIONS

Antiseptic soap for hygienic handwash and general body cleansing in case of MRSA and multi-drug resistant bacteria contamination.

### COMPOSITION

Chlorhexidine digluconate, washing agents, foaming agent and thickening agent.

### PACKAGING - REF.

- 1 12 bottles, 500ml each, with screwed pump.....2082.522
- 2 12 bottles, 500ml each for dispenser.....2082.110
- 3 12 bottles, 1L each, with screwed pump.....2082.523
- 4 12 airless bottles, 1L each.....2082.144
- 4 cans, 5L each.....2082.034

### INSTRUCTIONS FOR USE

Hygienic handwash: 3ml/30 sec.  
Surgical handwash: 2x3ml/5min.  
Rinse and dry thoroughly.

ACTIVE AGAINST	ACCORDING TO STANDARDS
BACTERIA	EN 1040, EN 13727, EN 1499 Active against MDRB
YEASTS MOULDS	EN 1275, EN 1650
VIRUSES	Active against BVDV (surrogate of HCV), Herpesvirus, RSV

## DERMANIOS SCRUB CHLORHEXIDINE 4% NEW

- » Chlorhexidine based formulation.
- » Hygienic handwash : 3ml / 30 sec (EN 1499).
- » Surgical handwash : 2 x 3 ml / 5 min (EN 12791).



30ML  
VERSION FOR  
THE PATIENT'S  
SHOWER



READY-TO-USE  
Active from 30 sec.

### INDICATIONS

Antiseptic soap for hygienic and surgical handwash. Washing and disinfection of the whole body.

### COMPOSITION

Chlorhexidine digluconate, excipients.

### PACKAGING - REF.

- 1 100 bottles, 30ml each.....2173.766
- 2 12 bottles, 500ml each with screwed pump.....2173.270
- 3 12 bottles, 1L each with screwed pump.....2173.385
- 12 airless bottles, 1L each.....2173.144
- 4 cans, 5L each.....2173.028

### INSTRUCTIONS FOR USE

Hygienic handwash: 3ml / 30 sec.  
Surgical handwash: 2 x 3ml / 5 min.  
Rinse and dry thoroughly.

ACTIVE AGAINST	ACCORDING TO STANDARDS
BACTERIA	EN 1040, EN 13727 Active against MDRB according EN 13727
YEASTS	EN 1275, EN 1650
VIRUSES	According to EN 14476 : HIV-1, PRV (surrogate of HBV), BVDV (surrogate of HCV), Vaccinia virus, Herpesvirus, Rotavirus, VRS
STANDARDS OF APPLICATION	Hygienic handwash: EN 13727, EN 1499 Surgical handwash: EN 13727, EN 12791

## DERMANIOS SCRUB POVIDONE IODINE

- » Formulation based on polyvinylpyrrolidone.



30ML  
VERSION FOR  
THE PATIENT'S  
SHOWER



READY-TO-USE  
Active from 1 min.

Find our dispenser range p.53

### INDICATIONS

Pre-operative washing and disinfection of the entire body.  
Hygienic handwash (EN 1499).

### COMPOSITION

Povidone iodine, excipients.

### PACKAGING - REF.

- Pre-operative shower:
- 1 100 bottles, 30ml each.....206.419
- Handwashing:
- 2 12 bottles, 500ml each, with screwed pump.....206.270
- 4 cans, 5L each.....206.028

### INSTRUCTIONS FOR USE

Hygienic handwash: Pour 1 dose (3 ml) and wash the hands and wrists for 1 minute. Rinse and dry thoroughly.

ACTIVE AGAINST	ACCORDING TO STANDARDS
BACTERIA	EN 1040, EN 13727
YEASTS	EN 1275, EN 13624
STANDARDS OF APPLICATION	Hygienic washing: EN 13727, EN 1499

# HYDROALCOHOLIC GEL AND SOLUTIONS

## ANIOSGEL 85 NPC

- » Hypoallergenic formula.
- » No allergenic substance, no fragrance, no colouring.
- » Broad antimicrobial spectrum in 30 sec.
- » Hygienic treatment in 30 sec (EN 1500).
- » For hygienic treatment and surgical disinfection.



TESTED UNDER  
DERMATOLOGICAL CONTROL:  
HYPOALLERGENIC FORMULA



**INDICATIONS**

Hygienic treatment and surgical disinfection of hands by rubbing.

**COMPOSITION**

Ethanol in the presence of thickening, moisturizing and emollient agents, and water.



1.5 ml Pump  
READY-TO-USE  
Active from 30 sec.

**PACKAGING - REF.**

- ① 20 bottles, 75ml each .....1644.274
- ② 6 bottles, 300ml each with screwed pump.....1644.366
- ③ 12 bottles, 500ml each with screwed pump.....1644.636
- ④ 12 bottles, 500ml each for dispenser.....1644.639
- ⑤ 12 bottles, 1L each with screwed pump.....1644.637
- ⑥ 12 airless bottles, 1L each.....1644.638
- 500 doses, 3ml each.....1644.273
- 100 doses, 30ml each.....1644.651

Find our dispenser range p.53

ACTIVE AGAINST	ACCORDING TO STANDARDS
BACTERIA	EN 1040, EN 13727 Active against MDRB and HRB according to EN 13727
MYCOBACTERIA	EN 14348
YEASTS/MOULDLS	EN 1275, EN 13624
VIRUS	EN 14476 (Poliovirus, Adenovirus, Norovirus) According to EN 14476: HIV-1, PRV (surrogate of HBV), BVDV (surrogate of HCV), Rotavirus, Herpesvirus, VRS, Influenzavirus A H <sub>3</sub> N <sub>2</sub> and H <sub>1</sub> N <sub>1</sub> . Active against Coronavirus.

PROTOCOLE	STANDARDS	CONDITIONS
HYGIENIC TREATMENT	EN 13727, EN 1500	Enough quantity to keep wet hands during 30 seconds
SURGICAL TREATMENT	EN 13727, EN 12791	Enough quantity to keep wet hands during 2 x 45 seconds

ALSO AVAILABLE  
**ANIOSRUB 85 NPC**



Private Organizations  
for Patient  
Safety

## A COLLABORATION WITH W.H.O. PRIVATE ORGANIZATIONS FOR PATIENT SAFETY

Laboratoires ANIOS is since May 2012 a member of the Private Organizations for Patient Safety (POPS), a program that has been launched by W.H.O. and groups private industry companies specialized in hand hygiene with one aim : harness industry strengths to align and improve implementation of W.H.O. recommendations for patients security. This collaboration has as sole objective the reduction in health-care associated infections through improvements in hand hygiene in different parts of the world, including in least developed countries.

# HYDROALCOHOLIC GEL AND SOLUTIONS

## ANIOSGEL 800 **NEW**

- » High level of observance.
- » Tested under dermatological control.
- » Hypoallergenic formula.
- » Adapted to sensitive skins.
- » Preserves the hydration of the skin.
- » Broad antimicrobial spectrum from 30 sec.
- » Conform to latest european standards.



TESTED UNDER  
DERMATOLOGICAL CONTROL:  
HYPOALLERGENIC FORMULA



**INDICATIONS**

Hygienic treatment and surgical disinfection of hands by rubbing.

**COMPOSITION**

Ethanol in the presence of thickening, moisturizing and emollient agents, and water.



3 ml Pump  
**READY-TO-USE**  
Active from 30 sec.

**PACKAGING - REF.**

- 1 20 bottles, 75ml each .....2550.274
- 2 6 bottles, 300ml each with screwed pump.....2550.762
- 3 12 bottles, 500ml each with screwed pump.....2550.748
- 4 12 bottles, 500ml each for dispenser.....2550.639
- 5 12 bottles, 1L each with screwed pump.....2550.763
- 6 12 airless bottles, 1L each .....2550.333  
100 doses, 30ml each .....2550.651

ACTIVE AGAINST	ACCORDING TO STANDARDS
<b>BACTERIA</b>	EN 1040, EN 13727 Active against MDRB et HRB according to EN 13727 (K. pneumonia, OXA 48, E. coli OXA 48, E. cloacae OXA 48, S. aureus SARM)
<b>MYCOBACTERIA</b>	EN 14348
<b>YEASTS/MOULDS</b>	EN 1275, EN 13624
<b>VIRUS</b>	EN 14476 (Poliovirus, Adenovirus, Norovirus MNV) According to EN 14476: BVDV (surrogate of HCV), PRV (surrogate of HBV), HIV-1, Rotavirus, Herpesvirus

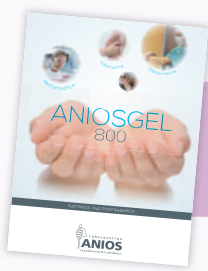
PROTOCOLE	STANDARDS	CONDITIONS
<b>HYGIENIC TREATMENT</b>	EN 1500	Enough quantity to keep hands wet during 30 seconds
<b>SURGICAL TREATMENT</b>	EN 12791	Enough quantity to keep wet hands during 2 x 45 seconds

**ALSO AVAILABLE**

**ANIOSRUB 800**

**NEW**

Liquid version



MORE DETAILS IN THE DEDICATED BROCHURE

# TRAINING TOOLS

## COUCOU BOX

» Equipment for the validation of standardised techniques application for handrubbing with hydroalcoholic gel and solutions.

IDEAL FOR TRAININGS



INSIDE VIEW:  
the areas where the gel was applied are unveiled by the UV lamp



### DESCRIPTION OF THE SYSTEM

Thanks to a phosphorescent agent contained in a hydroalcoholic product especially designed for this application, the user visualizes with the trainer the handrubbing quality.

### TECHNICAL CHARACTERISTICS

SIZE : L 52 cm x D 41 cm x H 40 cm

### DESCRIPTION

Made from highly-resistant high-pressure PVC material. The equipment features a carrying handle and dual viewing (user/trainer).

### POWER SUPPLY:

230V single phase + PE 50 Hz / Power: 70 VA.

Via a standardized plug 10/16 A 230 V single phase + PE 50 Hz, protected by a residual current device of 30 mA max.

### ELECTRICAL ELEMENTS:

- 1 ultraviolet tube 8 W.
- 1 male plug 2 poles +PE, with 5 x 20 mm fuses (315 mA) and switch.
- 1 mains cable 2 poles +PE.
- 1 strip for a fluorescent 8 W tube.

### PACKAGING - REF.

COUCOU BOX.....	425.044
COUCOU BOX with cam.....	425.044LCD
ANIOSGEL 85 NPC fluorescent - 6 bottles, 300 ml each.....	1759.762



ANIOSGEL 85 NPC with fluoresceine (300 ml bottle) is specially designed to be used with the training box.



## GEL DISPENSER TOTEM

- » Anti-drop system included.
- » Electronic dispenser included.
- » Already mounted.

### INDICATIONS

Aims to provide alcoholic gel for everyone in your establishment. Mobile with its electronic battery-powered dispenser, the panel can be installed in every room, to allow the public to disinfect their hands under all circumstances.

### REF.

Gel dispenser totem .....425.124  
Delivered with an electronic ABS dispenser for 1L Airless bottles and an anti-drop holder. Delivered in individual boxes.



# WASHBASINS



## A WIDE RANGE OF WASHBASINS TO CATER FOR ALL NEEDS

Complying with the recommendations of the M.S.G. / C.L.\*, our washbasins meet all of your requirements. Practical, easy to maintain, ergonomic, final filtration... for every need there's an ANIOS washbasin.

\*M.S.G. / C.L. : Market Study Group of Care Centers and Laboratories devices

### ANIOSAVE WASHBASIN 1 UNIT

- » Autonomous (no power supply needed).
- » A one-piece design for perfect hygiene.
- » Electrical distribution of water.



CHOOSE THE  
READY-TO-USE  
WASHBASIN!

#### Ideal for the following environments:

- Superficial and intensive care
- Endoscopy
- Consultation rooms
- Locker rooms
- Maternity hospitals and nursing homes
- Packaging and storage rooms
- Shared kitchens

#### INDICATIONS

For simple handwash with or without terminal filtration.

#### TECHNICAL CHARACTERISTICS

- Water distribution by electronical infrared proximity detector.
- Elbow-controlled soap dispenser.
- Temperature adjustment by premix.
- Pre-filtration in option (300 µm).

#### REF.

Washbasin without filtration system .....408.250  
(no pre-filter nor terminal filter)  
Washbasin equipped with a filtration system .....408.200  
(with pre-filter 300µm, regulator valve, quick release connector,  
FILTRANIOS 31DA+ terminal filter)

- 800 W x 510 D x 705 H (mm).
- Weight : 12 kg.
- Power supply: Long-lasting 6V battery.



MORE DETAILS IN OUR SPECIFIC  
BROCHURE AVAILABLE ON REQUEST.



# WASHBASINS

## COMPACT WASHBASIN 2 UNITS

- » Autonomous (no power supply needed).
- » Easy to maintain : no retention area.
- » Electronical distribution of water.



Ideal for the following environments:

- Superficial care
- Intensive care
- Endoscopy
- Locker rooms
- Consultation rooms
- Packaging and storage rooms
- Maternity hospital
- Nursing homes
- Shared kitchens

**INDICATIONS**

For simple handwash.

**TECHNICAL CHARACTERISTICS**

- Water distribution by electronical infrared proximity detector.
- Elbow-controlled soap dispenser.
- Temperature adjustment by premix.
- Pre-filtration in option (0,5 µm)

**REF.**

Washbasin without filtration system ..... **423.270**  
 (no pre-filter nor terminal filter)  
 Washbasin equipped with a filtration system..... **423.220**  
 (with pre-filter 0,5 µm, regulator valve, quick release connector,  
 FILTRANIOS 31DA+ terminal filter)

- 1230 W x 450 D x 520 H (mm).
- Weight : 19 kg.
- Power supply: Long-lasting 6V battery.

## HYPERASEPTIC WASHBASIN 2 UNITS

- » Autonomous (no power supply needed).
- » Headboard included.
- » Ergonomy and tank fitted to surgical washing.
- » Easy to maintain : no retention area.
- » Electronical distribution of water.



Ideal for the following environments:

- Operating theatres
- Aseptic areas

**INDICATIONS**

For simple or surgical handwash.

**TECHNICAL CHARACTERISTICS**

- Water distribution by electronical infrared proximity detector.
- Elbow-controlled soap dispenser.
- Temperature adjustment by premix.
- Quick connection to fit FILTRANIOS+ on outlet of each swan neck.

**REF.**

Washbasin without pre-filtration system..... **423.370**  
 (no pre-filter 0,5µm)  
 Washbasin equipped with a filtration system..... **423.320**  
 (with pre-filter 0,5 µm, regulator valve, quick release connector, terminal filter  
 FILTRANIOS 31DA+ terminal filter)

- 1400 W x 580 D x 800 H (mm).
- Weight : 21 kg.
- Power supply: Long-lasting 6V battery.

# DISPENSERS AND HOLDERS

## DISPENSERS AND HOLDERS FOR BOTTLES WITH SCREWED PUMP

 For bottle <b>300 ML</b>	 For bottle <b>500 ML</b>	 For bottle <b>1 L</b>	 For bottle <b>500 ML</b>	 For bottle <b>1 L</b>
				
<b>WALL-OFF HOLDER</b> REF. 425.078	<b>WALL-OFF HOLDER</b> REF. 425.058	<b>WALL-OFF HOLDER</b> REF. 425.090	<b>PVC ELBOW-CONTROLLED DISPENSER</b> REF. 425.092	<b>PVC ELBOW-CONTROLLED DISPENSER</b> RÉF. 425.091

## HOLDERS SUITABLE FOR BED

 For bottle <b>300 ML</b>	 For bottle <b>500 ML</b>	 For bottle <b>300 ML</b>	 For bottle <b>500 ML</b>	 For bottle <b>1 L</b>
				
<b>FIXATION ON A BAR</b>		<b>FIXATION ON HEADBOARDS</b>		
Diam. 16/23 mm	<b>300ML</b> 425.104	<b>500ML</b> 425.110	<b>300ML</b> 425.251	<b>500ML</b> 425.250
Diam. 23/32 mm	425.105	425.121	425.249	425.249
Diam. 32/42 mm	425.106	425.122		

## DISPENSERS FOR 1L AIRLESS BOTTLES



ANTI-DROP SYSTEM FOR 1L AIRLESS DISPENSERS  
 REF.....425.109

 For bottle <b>1 L Airless</b>	 For bottle <b>1 L Airless</b>
	
<b>STAINLESS STEEL ELBOW-CONTROLLED DISPENSER</b> REF. 425.022	<b>PVC ELBOW-CONTROLLED DISPENSER</b> REF. 425.045
	
<b>PUSH-BUTTON CONTROLLED ABS DISPENSER</b> REF. 425.107	<b>ELECTRONICALLY CONTROLLED ABS DISPENSER</b> REF. 425.157

# WATER FILTRATION



## PRE-FILTRATION OF WATER

The setting up of pre-filters upstream from a terminal 0.22 $\mu$ m filter allows to optimise water filtration results, preserving the terminal 0.22 $\mu$ m filter longevity (delay of filtering membrane blockage and maintaining of a constant filtered water flowrate).

Indeed, many contaminants, soluble or insoluble, exist in water: solid materials in suspension sedimenting (clays, gypsum, rust...) or not (colloids), alive materials (bacteria, microalgae, viruses...)

The Fouling Index test permits to assess the quality of the water to be filtered by determining the water blockage index and identifying the contaminants present in water.





## FILTRATION

- 56 FILTRANIOS 31 DA+ / FILTRANIOS 31 DS+
- 57 FILTRANIOS 31 LPS+ / FILTRANIOS 2W A

## PRE-FILTRATION

- 57 PRE-FILTERING UNIT

# FILTRANIOS



**31**  
DAYS

## FILTRANIOS 31 DA+

» Retention of all germs

**INDICATIONS**

A disposable sterile filter, it removes all germs and water mycoplasma. Ideal for hygienic and surgical handwash and rinsing of medical devices such as endoscopic equipment after high level disinfection.

**REF.**

CPC connector - Shower head outlet .....	432.173
Walther connector - Shower head outlet .....	432.174
CPC connector - Straight outlet .....	432.177
Walther connector - Straight outlet .....	432.178
CPC connector - CPC outlet .....	432.180

### A UNIQUE DESIGN

#### COMPOSITION OF FILTER MEDIA

- 1 pre-filtration layer of polypropylene, with «funnel effect» density gradient.
- 2 asymmetrical membranes (1 membrane for FILTRANIOS 31 LPS+) of PolyEtherSulphone (PES).



- 1 Walther and CPC connectors available.
- 2 Protective skirt.
- 3 Straight, shower head and threaded outlets available.

## FILTRANIOS 31 DS+

» Retention of all germs

**INDICATIONS**

A disposable sterile filter, it removes all germs and water mycoplasma.

Ideal for patients shower and bath in healthcare services, high-risk services, burns unit and immunodepressed patients.

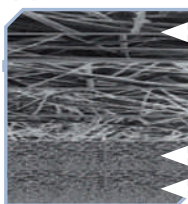
**REF.**

Shower head filter 31DS+ .....	432.175
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### FILTRANIOS 31 DA+, 31 DS+

**UPSTREAM**



**DOWNSTREAM**

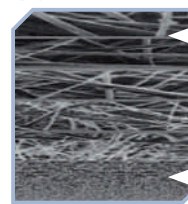
Prefiltration Polypropylene  
1 µm with density gradient  
(5 µm to 1 µm).  
Retention efficiency: 100% at  
1 µm; 98% at 0.5 µm

0.2 µm validated  
asymmetrical membrane of  
PolyEtherSulphone

0.1 µm validated  
asymmetrical membrane of  
PolyEtherSulphone

### FILTRANIOS 31 LPS+ (page 57)

**UPSTREAM**



**DOWNSTREAM**

Prefiltration Polypropylene  
3 µm with density gradient  
(10 µm to 3 µm).  
Retention efficiency: 100% at  
3 µm; 98% at 1 µm

0.2 µm validated  
asymmetrical membrane of  
PolyEtherSulphone

### ECO DESIGN

- Filtration area calculated to filter just the amount of water necessary for use.
- Optimisation of filters' weight (e.g. 100 g for the FILTRANIOS 31 DA+): less processed materials, reduced quantity of waste.
- These filters are designed without undesirable additives (epoxy derivatives, bisphenol A (PBA), Dioxin, Latex, Lactose, Phthalate (DEHP), Plasticisers, Silver salts, Abestos, Polychlorobiphenyls (PCB), Melamine).
- Reduced volume of outer packaging: Optimised packaging volume to limit the environmental impact of transport.

### FULL TRACEABILITY

- 2 traceability labels on the bag, of which one can be detached and repositioned to document the tracking log.
- 1 traceability label kept on the filter recording the dates of fitting and removing the filter.
- Printing on the filter.



# FILTRANIOS

## FILTRANIOS 31 LPS+

» Retention of Legionella



**INDICATIONS**

A disposable sterile filter, specially designed for the retention of Legionella. Ideal for patients shower and bath in healthcare services, high-risk services, burns unit and immunodepressed patients.

**REF.**

Showerhead filter 31LPS+ ..... 432.176

	31DA+	31DS+	31LPS+
<b>PRE-FILTRATION LAYER</b>	1 µm polypropylene with «funnel effect» density gradient from 5 µm to 1 µm		3 µm polypropylene with «funnel effect» density gradient from 10 µm to 3 µm
<b>MEMBRANE</b> "Select pleated" conception	1 high-capacity asymmetrical PES 0.2 µm membrane,		1 PES asymmetrical 0.2 µm membrane
<b>SUPPORT AND DRAINAGE LAYERS</b>	Polypropylene		
<b>FILTER BODY</b>	Polypropylene		
<b>FILTRATION SURFACE</b>	410cm <sup>2</sup>		500cm <sup>2</sup>
<b>FILTRATION FLOW RATE</b>	5 litres/minute at 3 bar	6,5 litres/minute at 3 bar	14 litres/minute at 3 bar
<b>MAXIMUM CONDITIONS OF USE</b>	5 bar at +60°C (for 31 days) + 1 cycle at +70°C for 30 minutes.		
<b>CHEMICAL RESISTANCE</b>	Active chlorine: > 1000 ppm at +40°C - APA: 250 ppm at +40°C for 31 days		
<b>DIMENSIONS</b>	Height: 89 mm ø cartridge: 76 mm ø shower head: 54 mm	Length: 222 mm - Height: 68 mm ø shower head: 80 mm	
<b>WEIGHT</b>	100 grammes		175 grammes

## FILTRANIOS 2W A

» Retention of all germs



**INDICATIONS**

Water filtration (retention of all germs) for hygienic and surgical handwash, rinsing of medical devices such as endoscopic equipment after high level disinfection...

**REF.**

Walther connector - Shower head outlet ..... 432.441  
Walther connector - Straight outlet ..... 432.442  
CPC connector - Shower head outlet ..... 432.443  
CPC connector - Straight outlet ..... 432.444

TECHNICAL CHARACTERISTICS FILTRANIOS 2W A	
<b>PRE-FILTRATION LAYER</b>	Polypropylene 1 µm
<b>2 MEMBRANES</b>	PolyEtherSulphone 0.2 µm
<b>SUPPORT AND DRAINING LAYERS</b>	Polypropylene
<b>CAPSULE BODY</b>	Polypropylene
<b>EFFECTIVE FILTRATION AREA</b>	2 x 425cm <sup>2</sup>
<b>FILTRATION FLOWRATE</b>	3 bar : 6,5 L/min.
<b>MAXIMUM CONDITIONS OF USE</b>	5 bar/+50°C
<b>CHIMICAL RESISTANCE</b>	> 1000 ppm active chlorine
<b>INLETS / OUTLETS AVAILABLE</b>	Inlets : Walther / CPC Outlets : Shower head / Straight
<b>HEIGHT</b>	74 mm
<b>WEIGHT</b>	100 grammes

## PRE-FILTERING UNIT

**FOR SINGLE-USE FILTERS**

Installed upstream from the disposable filtering system, retains particles of 0,5 µm and over, guaranteeing optimum use of FILTRANIOS 31DA+, 31DS+, 31LPS+ and 2W A.

**INCLUDES**

- One polypropylene case.
- One 0,5 µm pre-filtering sleeve.
- One pressure reducing valve with pressure controlling manometer.





# SPECIAL APPLICATIONS





## PRODUCTS FOR BEDPAN WASHERS

60 ANIOS LB 20 / ANIOS LB 30 / ANIOS LB 40

61 ANIOS LB 200 / ANIOS LB 300 / ANIOS LB 400

## HAEMODIALYSIS GENERATORS TREATMENT

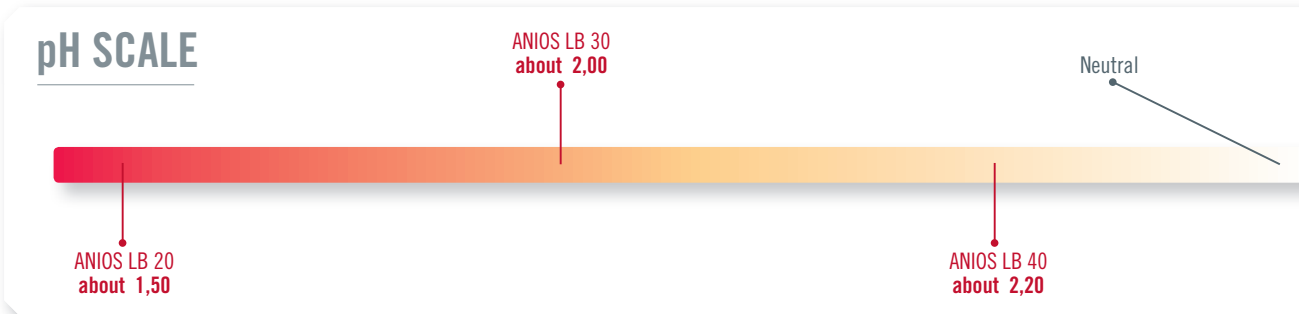
62 OXY-ANIOLYSE 9000

## LAUNDRY TREATMENT

62 STERILINGE SA / SOUPLANIOS

# PRODUCTS FOR BEDPAN WASHERS

THE DIVERSITY OF BEDPAN-WASHERS EXISTING ON THE INTERNATIONAL MARKET INVOLVES THE USE OF PRODUCTS SPECIFICALLY MADE.  
FIND OUR 6 PRODUCTS DESIGNED FOR YOUR EQUIPMENTS IN PLACE.



## ANIOS LB 20



**ACIDS**

## ANIOS LB 30



## ANIOS LB 40



**PACKAGING - REF**  
4 cans, 5L each.....2162.034

**PACKAGING - REF**  
2 cans, 5L each.....2163.038

**PACKAGING - REF**  
2 cans, 5L each.....2164.038

- » High solubilizing power of calcium salts and magnesium.
- » Contains surfactants for easier drying.
- » Chelating formula without EDTA, NTA nor phosphate.

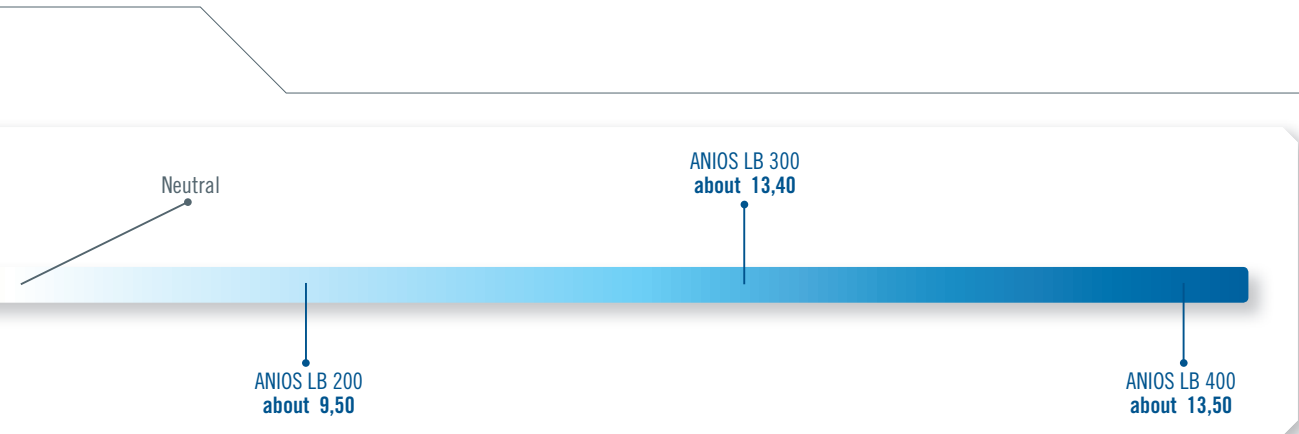
**CHARACTERISTICS**  
Acid rinsing products for treatment in thermal bedpan washers.  
Compatible with bedpans, urine bottles made of glass, stainless steels and plastics.

**INSTRUCTIONS FOR USE**  
 **AUTOMATIC DILUTION**  
i.e. 0,5 to 5ml/L



FIND MORE ABOUT OUR BEDPAN RANGE IN OUR DEDICATED BROCHURE, AVAILABLE ON REQUEST.

# PRODUCTS FOR BEDPAN WASHERS



## ANIOS LB 200



**PACKAGING - REF**  
2 cans, 5L each.....2159.038

## ANIOS LB 300



**PACKAGING - REF**  
4c ans, 5L each.....2160.034

## ANIOS LB 400



**PACKAGING - REF**  
2 cans, 5L each.....2161.038

**ALKALINES**

- » Chelating power in low alkaline media.
- » Can be used in any quality of water (tap water or treated water).
- » Phosphate free, without EDTA nor NTA.
- » Rinsing effect for an easier drying.

**CHARACTERISTICS**

Chelating detergent products with low alkaline pH, for the treatment in thermal bedpan-washers. Compatible with bedpans, urine bottles made of glass, stainless steels and plastics.

**INSTRUCTIONS FOR USE**



**AUTOMATIC DILUTION**  
i.e. 1 to 3ml/L



Information relating to the CE marking of our products and materials is included in our technical data sheets (available on demand).



# HAEMODIALYSIS GENERATORS TREATMENT

## OXY-ANIOLYSE 9000

- » Compatible with all sensitive materials from dialysis equipment.
- » No descaling cycle requested.
- » Peracetic acid solution with reinforced descaling power.
- » Broad antimicrobial spectrum.
- » Methods to analyse traces of both active compounds in rinsing waters, using teststrips, available on request.

### INDICATIONS

Disinfection of haemodialysis generators and circuits and disinfection of water treatment systems.

### COMPOSITION

Stabilized solution of peracetic acid and hydrogen peroxide.  
Peracetic acid : 1%.

### PACKAGING - REF.

4 cans, 5L each..... 1610.185  
25L can..... 1610.010  
Testing strips of H<sub>2</sub>O<sub>2</sub> level (box of 100) ..... 100.344

### INSTRUCTIONS FOR USE

Automatic dilution during automated treatment.  
Optimum contact time : 20 to 30 minutes.



## Our advice

For cleaning the external parts of your generator, use SURFA'SAFE PREMIUM (p.12)

### INSTRUCTIONS FOR USE



**AUTOMATIC DILUTION**  
Active from 15 min.

ACTIVE AGAINST	ACCORDING TO STANDARDS
<b>BACTERIA</b>	EN 1040, EN 13727, EN 14561
<b>MYCOBACTERIA</b>	Mycobacterium terrae: EN 14348, EN 14563 Mycobacterium avium: EN 14348
<b>YEASTS/MOULDS</b>	EN 1275, EN 13624
<b>VIRUSES</b>	EN 14476 (Poliovirus) Active against HIV-1, PRV (surrogate of HBV), BVDV (surrogate of HCV), Herpesvirus
<b>SPORES</b>	NFT 72-230 (Bacillus subtilis)

# LAUNDRY TREATMENT



## STERILINGE SA

- » Disinfection of contaminated laundry
- » Active against bacteria, yeasts, moulds and viruses.
- » Controlled foaming power.
- » Soaking in cold or hot water.



### PACKAGING - REF

4 cans, 5L each.....1609.037  
25L can.....1609.018

## SOUPLANIOS

- » Laundry softener.
- » Active against bacteria, yeasts and moulds.
- » Soften your laundry after the washing cycle.



### PACKAGING - REF

4 cans, 5L each.....203.037

# BIOCIDAL PRODUCTS REGULATION

## (EU) 528/2012

### Definition

The aim of biocidal products is to destroy, fight off or render inoffensive harmful organisms, prevent their action or fight them in any other manner, by an action other than a simple physical or mechanical one. This applies to any active substances and to products containing or generating one or more active substances.

### Objective

The Biocidal Products Regulation has the same objectives as the Biocidal Products Directive that it replaces. It is based on a desire, at European level, to control the effectiveness of biocidal products, while respecting human and animal health and the environment. It will result in a Marketing Authorization for biocidal products at national or Community level after evaluation of their effectiveness and the risks from their use. This can only occur after authorization of active biocidal substances at Community level, and also after their evaluation in terms of benefits and risks.

### 4 groups of biocidal products

#### » Group 1: Disinfectants

This group includes 5 Types of Product (TP):

- **TP 1:** Biocidal products for human hygiene.

This does not concern:

- antiseptic products for the skin that can be applied to injured skin or skin that may be injured (these comply with the requirements of regulations relating to pharmaceuticals);
- cosmetics: body hygiene and skincare products (these comply with the cosmetics regulation);
- **TP 2:** Disinfectants and algicides not intended for direct application on human beings or animals.

Specifically:

- products used to disinfect surfaces, materials, foodstuffs or animal feed;
- products used to disinfect the air, water not used for human or animal consumption, chemical toilets, wastewater, hospital waste and soil.

This does not concern:

Products intended specifically for the disinfection of medical devices. These fall under the regulations concerning medical devices.

- **TP 3:** Biocidal products for veterinary hygiene.

- **TP 4:** Disinfectants for surfaces in contact with foodstuffs and animal feed.

- **TP 5:** Disinfectants for potable water.

» Group 2: Protection products: wood protection, detergent preservatives, etc. (TP 6 to 13).

» Group 3: Products for pest control: repellents, insecticides, etc. (TP 14 to 20).

» Group 4: Other biocidal products: stain-repellents, embalming and taxidermy products (TP 21 and 22).

### Implementation

The evaluation of substances is currently in progress and a new implementation schedule up to 2024 has been established by the European Chemicals Agency (ECHA) for completion of the review of all biocidal substances.

This new deadline does not change the obligations that are already applicable, especially in terms of formulation (use of active biocides under examination) and labeling.

As regards disinfecting biocidal substances, the evaluation schedule is going ahead, with approvals expected to be issued in the next 5 years. The marketing authorization application folders for disinfectant products containing them will have to be submitted within one and a half to two years after the date of approval of the active substance.

» As a user, is this regulation of any concern to me?

Besides the obligations that are applicable to the manufacturers of biocidal substances and the formulators that use these substances, the biocidal products regulation also includes obligations for the users of the said biocidal products.

» Today

Only the use of disinfectant biocidal products with notified active substances in course of evaluation for adequate usage is possible. This can be controlled at the user's premises, specifically by the DRIRE (Regional Directorates for Industry, Research and the Environment).

» Tomorrow

After the end of the transition period, users will be obliged to use products with MAs (Marketing Authorizations). It will be the user's responsibility to ensure that the instructions for use and the conditions of usage (dilution - contact times - temperature) contained in previously validated protocols, are consistent with the conditions of the product's MA. Every application of a biocidal product must be included in the strict conditions of the MA.

## STANDARDS GLOSSARY

**EN 1040 : Staphylococcus aureus – Pseudomonas aeruginosa**

**Basic bactericidal activity** – Phase 1. Suspension test in 5 minutes (or 1, 15, 30 and 60 minutes), at +20°C (or others within +4°C, +10°C, +40°C) – Microbial reduction  $\geq 10^5$  (5 log).

**EN 13727+A1 (December 2013) : Staphylococcus aureus – Pseudomonas aeruginosa – Enterococcus hirae – Escherichia coli (only for hands)**

**Bactericidal activity** – Phase 2/Step 1 - Medical. Quantitative suspension test.  
**\*Hygienic rubbing and handwash:** 30 to 60 sec maximum, at +20°C, dilution in hard water 30°F, in the presence of interfering substances (Hygienic rubbing: CC: 0.3 g/L albumin ; hygienic handwash: DC: 3 g/L albumin + 3 ml/L erythrocytes; or others) - Microbial reduction  $\geq 10^5$  (5 log) - Microbial reduction  $\geq 10^3$  (3 log) for hygienic handwash..

**\*Surgical rubbing and handwash:** 1 to 5 min maximum, at +20°C, dilution in hard water 30°F, in the presence of interfering substances (Surgical rubbing: CC: 0.3 g/L albumin ; Surgical handwash: DC: 3 g/L albumin + 3 ml/L erythrocytes; or others) - Microbial reduction  $\geq 10^5$  (5 log).

**\* Instruments:** Time according to the manufacturer, 60 min maximum, from +20°C to +70°C, dilution in hard water 30°F, in the presence of interfering substances (CC : 0.3 g/L albumin; DC : 3 g/L albumin + 3 ml/L erythrocytes; or others) - Microbial reduction  $\geq 10^5$  (5 log).

**\* Surfaces:** Time according to the manufacturer, from 5 to 60 min maximum, from +4°C to +30°C, dilution in hard water 30°F, in the presence of interfering substances (CC : 0.3 g/L albumin; DC : 3 g/L albumin + 3 ml/L erythrocytes; or others) - Microbial reduction  $\geq 10^5$  (5 log).

**EN 1276 : Staphylococcus aureus – Pseudomonas aeruginosa – Enterococcus hirae – Escherichia coli**

**Bactericidal activity** – Phase 2/Step 1 - Industry. Domestic. Communities. Quantitative suspension test in 5 minutes (or other additional), at +20°C (or +4°C, +10°C, +30°C ou +40°C), dilution in hard water 30°F, in the presence of interfering substances (CC: 0.3 g/L albumin; DC: 3 g/L albumin; or others) - Microbial reduction  $\geq 10^5$  (5 log).

**EN 14561 : Staphylococcus aureus – Pseudomonas aeruginosa – Enterococcus hirae**

**Bactericidal activity** – Phase 2/Step 2 - Medical. Quantitative carrier test by immersion in 60 minutes (or 5, 15 and 30 minutes), at +20°C (or others with 10°C interval, 60°C maximum), dilution in hard water 30°F, in the presence of interfering substances (CC: 0.3 g/L albumin + 30°F hard water; DC: 3 g/L albumin + 3 ml/L erythrocytes + 30°F hard water; or others) - Microbial reduction  $\geq 10^5$  (5 log).

**EN 13697 : Staphylococcus aureus – Pseudomonas aeruginosa – Enterococcus hirae – Escherichia coli**

**Bactericidal activity** – Phase 2/Step 2 - Industry. Domestic. Communities. Surfaces. Quantitative carrier test in 5 minutes (or 1, 15, 30 and 60 minutes), at +20°C (or +4°C, +10°C and +40°C), dilution in hard water 30°F, in the presence of interfering substances (CC: 0.3 g/L albumin; DC: 3 g/L albumin; or others) - Microbial reduction  $\geq 10^4$  (4 log).

**EN 14348 : Mycobacterium terrae – Mycobacterium avium**

**Mycobactericidal / tuberculocidal activity** – Phase 2 / Step 1 - Medical. Instruments. Quantitative suspension test in 60 minutes (or 5, 15 and 30 minutes) at +20°C (or others with 10°C interval), dilution in hard water 30°F, in the presence of interfering substances (CC: 0.3 g/L albumin; DC: 3 g/L albumin + 3 ml/L erythrocytes; or others) – Microbial reduction  $\geq 10^4$  (4 log).

**EN 14563 : Mycobacterium terrae – Mycobacterium avium**

**Mycobactericidal / tuberculocidal activity** – Phase 2 / Step 2 - Medical. Instruments. Quantitative carrier test by immersion in 60 minutes (or 5, 15 and 30 minutes) at +20°C (or others with 10°C interval, +60°C maximum), dilution in hard water 30°F, in the presence of interfering substances (CC: 0.3 g/L albumin; DC: 3 g/L albumin + 3 ml/L erythrocytes; or others) – Microbial reduction  $\geq 10^4$  (4 log).

**EN 1275 : Candida albicans – Aspergillus niger**

**Basic fungicidal/yeasticidal activity** – Phase 1. Suspension test in 15 minutes (or 1, 5, 30 and 60 minutes), at +20°C (or others +4°C, +10°C, +40°C) – Microbial reduction  $\geq 10^4$  (4 log).

**EN 13624 (September 2013) : Candida albicans – Aspergillus brassiliensis**

**Fungicidal/yeasticidal activity** – Phase 2/Step 1 - Medical. Instruments.

**\*Hygienic rubbing and handwash:** test on Candida albicans from 30 to 60 sec maximum at +20°C, dilution in hard water 30°F, in the presence of interfering substances (Hygienic rubbing: CC: 0.3 g/L albumin ; Hygienic handwash: DC: 3 g/L albumin + 3 ml/L erythrocytes ; or others) - Microbial reduction  $\geq 10^4$  (4 log) - Microbial reduction  $\geq 10^2$  (2 log) for hygienic handwash.

**\*Surgical rubbing and handwash:** test on Candida albicans from 1 to 5 min maximum at +20°C, dilution in hard water 30°F, in the presence of interfering substances (Surgical rubbing: CC: 0.3 g/L albumin ; Surgical handwash: DC: 3 g/L albumin + 3 ml/L erythrocytes ; or others) - Microbial reduction  $\geq 10^4$  (4 log).

**\*Instruments:** Time according to the manufacturer, 60 min maximum, from +20°C to +70°C, dilution in hard water 30°F, in the presence of interfering substances (CC : 0.3 g/L albumin; DC : 3 g/L albumin + 3 ml/L erythrocytes; or others) - Microbial reduction  $\geq 10^4$  (4 log).

**\* Surfaces:** Time according to the manufacturer, from 5 to 60 min maximum, from +4°C to +30°C, dilution in hard water 30°F, in the presence of interfering substances (CC : 0.3 g/L albumin; DC : 3 g/L albumin + 3 ml/L erythrocytes; or others) - Microbial reduction  $\geq 10^4$  (4 log).

**EN 1650+A1 (July 2013) : Candida albicans – Aspergillus brassiliensis**

**Fungicidal/yeasticidal activity** – Phase 2/Step 1 - Industry. Domestic. Communities. Quantitative suspension test in 15 minutes (or 1, 5, 30 and 60 minutes), at +20°C (or +4°C, +10°C and +40°C), in the presence of interfering substances (CC: 0.3 g/L albumin + 30°F hard water; DC: 3 g/L albumin + 30°F hard water; or others) – Microbial reduction  $\geq 10^4$  (4 log).

**EN 14562 : Candida albicans – Aspergillus niger**

**Fungicidal/yeasticidal activity** – Phase 2/Step 2 - Medical. Instruments. Quantitative carrier test by immersion in 60 minutes (or 5, 15 and 30 minutes), at +20°C (or others with 10°C interval, maximum of 60°C), in the presence of interfering substances (CC: 0.3 g/L albumin + 30°F hard water; DC: 3 g/L albumin + 3 ml/L erythrocytes + 30°F hard water; or others) - Microbial reduction  $\geq 10^4$  (4 log).

**EN 13697 : Candida albicans – Aspergillus niger**

**Fungicidal/yeasticidal activity** – Phase 2/Step 2 - Industry. Domestic. Communities. Surfaces. Quantitative carrier test in 15 minutes (or 1, 5, 30 and 60 minutes), at +20°C (or +40°C, +10°C and +40°C), in the presence of interfering substances (CC: 0.3 g/L albumin + 30°F hard water; DC: 3 g/L albumin + 30°F hard water; or others) - Microbial reduction  $\geq 10^3$  (3 log).

**EN 14476 (September 2013) : Poliovirus – Adenovirus – Norovirus murin - Parvovirus (only for instruments with a  $t^{\circ} > 40^{\circ}\text{C}$  and for textiles)**

**Virucidal activity** – Phase 2/Step 1 - Medical. Quantitative suspension test.

**\*Hands:** Time according to the manufacturer, from 30 sec to 3 min maximum, at +20°C, dilution in hard water 30°F, in the presence of interfering substances (CC : 0.3 g/L albumin; DC : 3 g/L albumin + 3 ml/L erythrocytes; or others) - Microbial reduction  $\geq 10^4$  (4 log).

**\*Instruments:** Time according to the manufacturer, 60 min maximum, from +20°C to +70°C, dilution in hard water 30°F, in the presence of interfering substances (CC : 0.3 g/L albumin; DC : 3 g/L albumin + 3 ml/L erythrocytes; or others) - Microbial reduction  $\geq 10^4$  (4 log).

**\* Surfaces:** Time according to the manufacturer, from 5 to 60 min maximum, from +4°C to +30°C, dilution in hard water 30°F, in the presence of interfering substances (CC : 0.3 g/L albumin; DC : 3 g/L albumin + 3 ml/L erythrocytes; or others) - Microbial reduction  $\geq 10^4$  (4 log).

**\* Surfaces:** Time according to the manufacturer, 20 min maximum, from +30°C to +70°C, dilution in hard water 30°F, in the presence of interfering substances (CC : 0.3 g/L albumin; DC : 3 g/L albumin + 3 ml/L erythrocytes; or others) - Microbial reduction  $\geq 10^4$  (4 log).

## STANDARDS GLOSSARY

**Activity on viruses**

Adaptation of the EN 14476 standard for HIV-1, PRV (surrogate of HBV), BVDV (surrogate of HCV), Herpesvirus, Rotavirus, Norovirus, Coronavirus (SARS), Influenza virus A H1N1, Vaccinia virus... Viral reduction  $\geq 10^4$  (4 log).

**EN 13704 : Bacillus subtilis**

**Sporicidal activity** – Phase 2/Step 1 - Industry. Domestic. Communities. Surfaces. NEP. Quantitative suspension test in 60 minutes (or 5, 15 and 30 minutes), at +20°C (or +40°C, +10°C, +40°C and +75°C), dilution in hard water +30°F, in the presence of interfering substances (CC: 0.3 g/L albumin) - Microbial reduction  $\geq 10^3$  (3 log).

**EN 1499 (June 2013)**

**Hygienic Handwash** – Phase 2/Step 2. Test on voluntaries with hands artificially contaminated with Escherichia coli K12, in the practical conditions of use, in 30 or 60 seconds. The reduction factor obtained is compared to those obtained in the same conditions with a standard washing (CODEX plain soap).

**EN 1500 (June 2013)**

**Hygienic Hand rubbing** – Phase 2/Step 2. Test on voluntaries with hands artificially contaminated with Escherichia coli K12, in the practical conditions of use, in 30 or 60 seconds. The reduction factor obtained is compared to those obtained in the same conditions with a standard washing (60% propanol-2).

**EN 12791**

**Surgical disinfection of hands** – Phase 2/Step 2. Test on natural flora of voluntaries. Assessment of the immediate effect and 3 hours after disinfection. The reduction factor obtained is compared to those obtained in the same conditions with a standard washing (60% propanol-2).

**EN 14347 : Bacillus subtilis – Bacillus cereus**

**Basic sporicidal activity** - Phase 1. Quantitative suspension test in 30, 60 or 120 min, at +20°C - Microbial reduction  $\geq 10^4$  (4 log).

**NF T 72-281**

**Airborne disinfection of surfaces** - Determination of bactericidal and/or fungicidal and/or sporicidal activity. – Microbial reduction  $\geq 10^5$  bacteria (5 log) ;  $\geq 10^4$  yeasts/moulds (4 log) ;  $\geq 10^3$  spores of bacteria (3 log).

**NF T 72-230/231**

**Sporicidal activity** – Quantitative suspension test in 60 minutes at +20°C – Microbial reduction  $\geq 10^5$  (5 log).

**EN 13623 Legionella pneumophila**

**Bactericidal activity** - Phase 2 / step 1 - Quantitative suspension test in 60 minutes (or others, at +20°C or +30°C, dilution in hard water 30°F, in the presence of interfering substances (0,05% yeast extract) - Microbial reduction  $\geq 10^4$  (4 log).

**EN 13610**

**Virucidal activity** - Phase 2 / Step 1 - Industry. Domestic. Communities. Quantitative suspension test in 15 minutes (or 5, 30 and 60 min), at +20°C (or +4°C, +10°C and +40°C), dilution in hard water 30°F and in the presence of interfering substances (1% milk serum; or 1% skimmed milk) - Microbial reduction  $\geq 10^4$  (4 log).

**Antimicrobial preservation efficacy**

European Materia Medica method.  
Determination of a preservative's antimicrobial activity.

**EN ISO 11931**

Evaluation of the antimicrobial protection of a cosmetic product.

## EUROPEAN STANDARDS OF ANTIMICROBIAL EFFICACY

	MEDICAL		COMMUNITIES
<b>BASIC STANDARDS PHASE 1</b>	<i>Suspension tests to determine basis activity</i>		
	EN 1040 : bactericidal activity		
	EN 1275 : fungicidal and/or yeasticidal activity		
	EN 14347 : sporicidal activity		
<b>STANDARDS OF APPLICATION</b>	<b>HANDS</b>	<b>INSTRUMENTS</b>	<b>SURFACES</b>
<b>PHASE 2 STEP 1</b>	<i>Suspension tests in the representative practical conditions of use</i>		
	EN 13727 : bactericidal activity		EN 1276 : bactericidal activity
	EN 14348 : mycobactericidal and/or tuberculocidal activity		
	EN 13624 : fungicidal and/or yeasticidal activity		EN 1650 : fungicidal and/or yeasticidal activity
	EN 14476 : virucidal activity		EN 13610 : virucidal activity
	<i>Tests simulating the practical conditions of use (carrier tests, handwash or hand-rub tests)</i>		
<b>PHASE 2 STEP 2</b>	EN 1499 : Hygienic handwash EN 1500 : Hygienic hand rubbing EN 12791 : Surgical disinfection	EN 14561 : bactericidal activity	EN 13697 : bactericidal activity
		EN 14563 : mycobactericidal and/or tuberculocidal activity	
		EN 14562 : fungicidal and/or yeasticidal activity	EN 13697 : fungicidal and/or yeasticidal activity





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