



“OLÁ de Portugal”

The First neodisher® system ALPHA in Portugal



The elderly population in Portugal is constantly growing and is expected to represent 27.5 % of the population by 2030 (currently it is 21.2 %). Over the past few years, Portugal has been investing into the rationalisation of its healthcare system as an ongoing process characterised by the concentration of services into fewer, larger hospital centres and hospital groups.

Dr. Weigert has been present in Portugal since 1988 in collaboration with Veisil, which is a family-owned company based in Lisbon that is dealing with Infection Control as a full solution provider with focus on healthcare, laboratory and professional kitchen segments.

In November 2016, Veisil, Dr. Weigert's Portuguese partner, has installed the first high-concentrate component dosing system neodisher® system ALPHA in Portugal, in the Hospital do Espírito Santo – Evora. The CSSD department is led by Ms Amália Espada, Principal Nurse and President of ANES (Associação Nacional de Esterilização). After using this innovative, space-saving dosing technology for a couple of months, Ms Amália Espada was interviewed.

What do you think of the new neodisher® system ALPHA technology?

Ms Amália Espada: “The technology is very easy to use, practical, easy to understand by the end-user, intuitive. This system is user-friendly.”

In your opinion, what are the advantages of this system, and what has been

improved in your CSSD department due to its installation?

Ms Amália Espada: “The first advantage is that the system is not integrated into the washer disinfectors. Therefore, we can directly see the packaging of the two highly concentrated cleaning components, neodisher® SystemClean and neodisher® SystemAct, together with the fitting weigomatic® buffer tanks. Since the installation took place, the CSSD operators have not needed to remove the air bubbles from the (suction) lances that are connected to the pumps of the washer disinfectors any longer when they replace the empty containers. The operators really appreciate that the containers can be easily removed and replaced.”

What is your experience with the cleaning performance of the enzymatic clean-

ing component neodisher® SystemAct and the mildly alkaline cleaning component neodisher® SystemClean, which are dosed via the weigomatic® system ALPHA component dosing system?

Ms Amália Espada: “Despite the issue of frequent water quality variation (hardness) that we have to deal with here in the Alentejo region, we have experienced substantially better cleaning results with neodisher® SystemClean and neodisher® SystemAct compared to the results we got by using other cleaners so far.”

Would you recommend the neodisher® system ALPHA technology?

Ms Amália Espada: “Yes, because it is a system that is very easy to use and that is not integrated into the washer disinfectors.”

Thank you very much for your statement!



neodisher® system ALPHA is a component dosing system developed to dose highly concentrated process chemicals for optimised automated instrument reprocessing. The individual dosing of the two process chemicals neodisher® SystemAct and neodisher® SystemClean has revolutionised the cleaning process: Innovative space-saving dosing technology is combined with maximum process safety and an optimised cleaning step. Optionally, the rinse aid neodisher® SystemRinse can be dosed as a third component. The system is fitted with RFID technology.

Highly Concentrated Knowledge Applications Department neodisher®

Deposit Formation in Washer Disinfectors Due to Inadequate Water Qualities and Removal Solutions

The latest issue of GlobalNEWS featured an article on applicable water quality criteria to be met for the reprocessing of medical devices. Inadequate water quality can possibly cause problems, e.g. deposit formations in the washer disinfectors' chambers as well as on the washed items. These problems, their causes, and the removal of deposits will be focused on in the following.



Lime deposits

By exceeding the limit values for water hardness, lime deposits can occur. They can be removed by an acidic basic cleaning of the washer disinfectors and affected items.

Silicate build-ups

Deposits can also occur due to an increased content of silicates in the process water. These silicate deposits appear as yellow-brownish to purple discolorations. They can be removed with the help of a special cleaning agent on the basis of inhibited hydrofluoric acid.

Rust coverings

There can also be further substances causing discolorations, such as iron, manganese, or copper. A high iron content within the feeding water can lead to red-brownish deposits. Especially in old buildings, they can be caused by cast-iron tubes in the water distribution system. To avoid deposits caused by rust particles, the water inlet of the washer disinfectors can be fitted with a mechanical filter.

Furthermore, increased chloride contents in the process water can cause rust in the washer disinfectors and on the washed items. If this is the case, the water either contains too much chloride initially or the chloride content increases in the washer disinfectors itself due to failing processing, enriching the water with chlorides contained in the water softening system brine.

Rust coverings can be removed with the help of a phosphoric acid detergent. Pitting due to chlorides is enhanced by increasing chloride content, rising

temperatures, longer exposure, insufficient drying, and enrichment caused by surface drying.

Deposits due to evaporation residues

White deposits can also be caused by high contents of water ingredients in softened water. These stains are easily hydrosoluble and will be rinsed off with the next reprocessing. To avoid these deposits, the use of demineralised water is recommended especially within the final rinse.

To initially avoid corrosion and deposits of all kinds on the materials in

use, the recommendations concerning water quality (cf. GlobalNEWS ed. 1, 2017) should be met. It is advisable to check the amount of the individual water ingredients as well as the water treatment.

Additionally, all tests described in this article should exclusively be carried out by qualified application engineers who are familiar with the required process technology.

	Appearance/ Characteristics	Cause	Removal/Avoidance
Lime deposits	- milky white to grey - extensive or stained with sharp rims	- exceeding of limit values concerning water hardness	- removal: acid basic cleaning of washer disinfectors and affected items - avoidance: use of softened water
Deposits caused by water ingredients	- milky white to grey - extensive or stained with sharp rims	- high evaporation residues	- removal: rinse off with water - avoidance: use of demineralised water in the final rinse
Silicate build-ups	- yellow-brown to purple - partly iridescent discolorations	- increased silicate content in the process water	- removal: acid basic cleaning of washer disinfectors with detergent on the basis of inhibited hydrofluoric acid - avoidance: regeneration of ion exchanger on time
Rust coverings caused by iron	- red-brown	- iron particles in the process water	- removal: cleaning of the washer disinfectors with phosphoric acid detergent - avoidance: constructional measures to prevent iron particles from entering the piping system, e.g. fitting a mechanical filter
Rust coverings caused by chloride	- red-brown	- increased chloride content in the process water	- removal: cleaning of the washer disinfectors with phosphoric acid detergent - avoidance: checking of the water treatment system

Efficient Cleaning With Increased Safety



Correct reprocessing

... begins with the professional pre-treatment of medical devices – preferably straight after use to prevent the cleaning process from being affected by dried-on residues. Suitable **neodisher®** products guarantee first-class results and the longevity of high-quality materials.

neodisher® Septo PreClean is recommended

- for disinfecting pre-cleaning of thermostable and thermolabile instruments incl. flexible endoscopes and dental instruments
- for wet disposal of surgical instruments and dental instruments over longer periods of time, e.g. overnight or over the weekend

- for the manual cleaning and disinfection of thermostable and thermolabile instruments, incl. flexible endoscopes

The cleaning and disinfecting agent ensures optimum personnel safety, excellent cleaning performance and excellent material compatibility. The liquid concentrate is used in immersion and ultrasonic baths. Depending on the desired activity the working solution must be prepared according to the dosing recommendations, the contact times have to be adhered to.

neodisher® Septo PreClean is active against bacteria, yeasts and enveloped viruses (incl. HIV, HBV, HCV) when used with the below-mentioned parameters.

Application recommendation (20 °C):

- disinfecting pre-cleaning
10 ml/l (1.0 %), 15 min
- wet disposal
10 ml/l (1.0 %), at least 15 min
- disinfection
10 ml/l (1.0 %), 15 min



The disinfecting cleaner for the manual reprocessing of thermostable and thermolabile instruments

Our Competence – Your Benefit

- excellent cleaning performance with disinfecting activity
- certified activity: bactericidal/yeastocidal according to VAH¹ methods and European standards², also active against enveloped viruses according to RKI/DVV³
- excellent material compatibility; free of aldehydes and quaternary ammonium compounds



- effectively prevents fixation of protein residues, for an optimised pre-treatment
- improved safety for the personnel handling the instruments, increases hygiene safety associated with reprocessing, VAH¹-listed and included in the IHO⁴ list of virucidal products
- universal application: suitable for stainless steel, anodised aluminium, non-ferrous metals (copper and brass), silicone and plastics; very user-friendly

For further information on products and application please refer to the product data sheet (www.drweigert.com).

¹ Verbund für Angewandte Hygiene [Association of Applied Hygiene] ² European Standards EN13727, EN13624, EN14561, EN14562 ³ Robert Koch Institute, Germany/Deutsche Vereinigung zur Bekämpfung der Viruskrankheiten [German Association for the Control of Virus Diseases] ⁴ Industrieverband Hygiene und Oberflächenschutz [Industry Association Surface Protection and Hygiene, Germany]

FURTHER INFORMATION

**New Era, New Structures
International Business
Department**

The complex global market, globalization and varying political conditions in different countries present growing challenges. Because of this, our international business department has increased significantly during the last months.

To be more present and effective in the global market, Dr. Weigert has readjusted the international business department entirely. Two administrative employees (Ana-Maria Suarez, Anneke Heuer), and one customer service coordinator (Katharina Klausner) are currently handling global business from the office while two international key account managers are field-operating the countries or rather continents of their own focus: Andreas Schuster is the key account manager for Asia and the Middle East, Joel Duchatelle is responsible for Europe and Africa.

The team is now supervised by Alejandro Giletto, who is very much internationally experienced. Mr Giletto and the international business department are going to take care of the international renown of neodisher® and neomoscan® in the future.



**Meet and Greet
International Trade Fairs and Conventions**

Visit us at the Arab Health Exhibition and Congress, the largest medical exhibition and conferences in the Middle East – we are looking forward to welcoming you at our booth!

**Arab Health at Dubai International Convention and Exhibition Centre
Dubai, United Arab Emirates, January 29 – February 01, 2018 | 10 AM – 6 PM**

IMPRINT

Chemische Fabrik
Dr. Weigert GmbH & Co. KG
Mühlenhagen 85
D-20539 Hamburg
www.drweigert.com

Editors
Alejandro Giletto /
Linda Ertl
linda.ertl@drweigert.de
Phone: 0049-40 / 789 60-153

Production
FAI GmbH
Agrippinawerft 22
D-50678 Köln



Contact Dr. Weigert:

Please contact us if you have any questions or suggestions that you are interested to read about – we will gladly take your ideas into consideration!

linda.ertl@drweigert.de

You can find the edition at hand as well as further flyers, prospectuses, product information, and an overview of our international retail partners at www.drweigert.com.