

# Product Catalogue 2023

## **Safe Hygiene at All Levels**



COMPANY LOGO  
**NEW FACE AND  
A FRESH FOCUS**

PATENTS  
**FORGING NEW  
INNOVATIONS**

SUSTAINABILITY  
**WE'RE GOING  
GREEN**



## Introduction

# We are Dr. Schumacher. We protect your health.

**D**ear readers, while a single person can make little difference, we can achieve unimaginable things when we work together. This is probably the most important lesson we can draw from the past few years. Our success as a family business is dependent on cooperation, and day after day, we at Dr. Schumacher



reap the benefits of teamwork. Working together, our employees implement innovative projects that benefit others and embody our vision: to make hygiene easy and applicable everywhere. We believe that our strong roots and traditions as a family business hold us up, but don't hold us back from new ventures. On the contrary! It has

always been part of our company history to go further than others and to constantly look at ourselves anew.

Two new projects exemplify this. Our optimized Descosept Sensitive Wipes are based on a 100 % biodegradable fleece material and 100 % organic ethanol. This innovation lights the path to a sustainable healthcare industry.

We've also completely overhauled our logo and product design. Our new look is modern and clean and represents our company's vision: our commitment to quality and our family history. You've probably already come across the new design this year. We are in the process of gradually adapting our entire product range to the new look.

The constant focus on people's health is what makes Dr. Schumacher a leader in the industry. This cornerstone of our values has determined our actions for over 40 years. To keep it that way, we design our products to enhance the experience and needs of the users. Together we continue to think about health, just as my father did when he founded this company. Because, only if we continue to push boundaries and change what already exists, do we at Dr. Schumacher fulfill our promise: We protect your health.

**Dierk Schumacher**

*CEO and Managing Director*



# OUR VISION OF **HEALTH**

1



2



3

- 1 Dr. Henning Schumacher, founder of Dr. Schumacher GmbH.
- 2 We produce various disinfection and hygiene products at our locations.
- 3 Our European leading dry and wet wipe production can be found in over 60,000 m<sup>2</sup> of production space.

## Our Company

# FOR OVER 40 YEARS, THE IDEA OF HIGHLY EFFECTIVE, LOW-HAZARDOUS AND ESPECIALLY USER-FRIENDLY DISINFECTANTS HAS INSPIRED DR. SCHUMACHER'S PRODUCTS. THE PRINCIPLES OF OUR COMPANY'S FOUNDER STILL STAND: **PEOPLE AND THEIR HEALTH ARE AT THE FOCUS OF OUR THINKING AND ACTIONS**

Following his pioneering spirit, Dr. Henning Schumacher founded Dr. Schumacher GmbH in 1978, in Melsungen, Germany. He handed the company over to his sons, Dierk and Jens Schumacher, at the end of the 90's. The brothers continue to honor their father's legacy and philosophy today. The marriage of innovation and tradition has shaped our history and has a unique impact on the research and development of new products in an exciting way.

With more than 1,650 employees across nine countries and a distribution network spanning over 70 countries, Dr. Schumacher GmbH has become a globally recognized brand and one of Europe's leading providers in the development and manufacturing of disinfectants and hygiene products. Whether it be hygiene, disinfection and care products for the medical sector, or OEM, private label and cosmetic products for the consumer sector – we offer our customers a comprehensive full-service range. Still located in Malsfeld-Beiseförth, our headquarters in northern

Hesse now employs over 400 people and continues to grow and provide value to our neighbors in the surrounding community.

### Quality that shows

At Dr. Schumacher, quality is not just a promise – it's a culture. As a prominent leader in the medical and health industry, we understand our moral responsibility to customers, end-users, and patients. For this reason, we apply the highest quality standards and controls to our products and have implemented the latest technological advancements and processes in our manufacturing. Our aim is to develop effective, but at the same time, simple solutions that reliably protect staff and patients from infections and contamination. In addition, we're committed to environmentally friendly working methods that conserve resources. The future of our planet is of great importance to our family business. Dr. Schumacher is a certified manufacturer of medical devices, drugs, biocides and cosmetics and has a validated environmental management system.

It's not just the quality of our products that's convincing: our family-owned company also provides our customers with expert advice should you have any questions or issues. We have an extensively trained field service team that regularly visits customers on site, answering their questions and solving problems directly where ever they arise. We gain important insights from dialog with customers and end-users and use this in the continuous development of products and services – making Dr. Schumacher the optimal partner for your health and future. In dialog with our customers and end users, we gain important insights for the continuous further development of our products – so that Dr. Schumacher remains a reliable partner for the protection of your health.

# DR. SCHUMACHER **HAS A NEW LOOK**



2014 - 2022

now

## New Image

THE SUCCESS OF DR. SCHUMACHER IS BUILT ON THE VALUES OF OUR COMPANY  
FOUNDER AND THE INNOVATION OF OUR PRODUCTS. WE WANTED OUR LOGO  
AND PRODUCT DESIGN TO CLEARLY REPRESENT THE BALANCE OF INNOVATION  
AND TRADITION FOUND IN EVERYTHING WE DO.

*“With the focus on our PhD, we are highlighting our professional competences and our unwavering commitment to product quality.”*

**Dierk Schumacher**

CEO and Managing Director



Our new logo represents company-wide changes made over the past few years. Dr. Schumacher is forging a new path among German family businesses: a modern focus on the future while continuing to honor our roots. Now, our image reflects this to the world.

**Innovation and tradition unite**

It's a clean logo, with no gimmicks and focused on the essentials: our family name and our competence. "Dr." and "Schumacher." The two parts of our name are now shown one below the other and yet they remain connected. We want to put our name in the spotlight without any distractions. And with the clear focus on our doctorate, the new logo emphasizes our professional com-

petences and the quality of our products. It makes it clear what defines us: innovation and tradition. The new logo is the result of a constructive process. We invested many hours in the design and are elated with the results.

However, our new appearance does not change the standards we set for our own work. We remain the most reliable partner for disinfection and hygiene on the market. Our commitment is also unchanged: We protect your health.

**Change takes time**

With the new logo, Dr. Schumacher's packaging will also come with a new, contemporary design – that takes time. Our products, catalogues, flyers and advertisements will

gradually integrate in the new appearance. Therefore, not all products in this catalog appear in the new look. Descosept Sensitive Wipes are leading the way and we are working every day to adapt more and more Dr. Schumacher products to the new brand image.

The new logo and design accompany our constant process of modernization: a contemporary, constantly evolving family business that builds on its proven strengths – Dr. Schumacher!

# CLARITY IN **DISINFECTION**

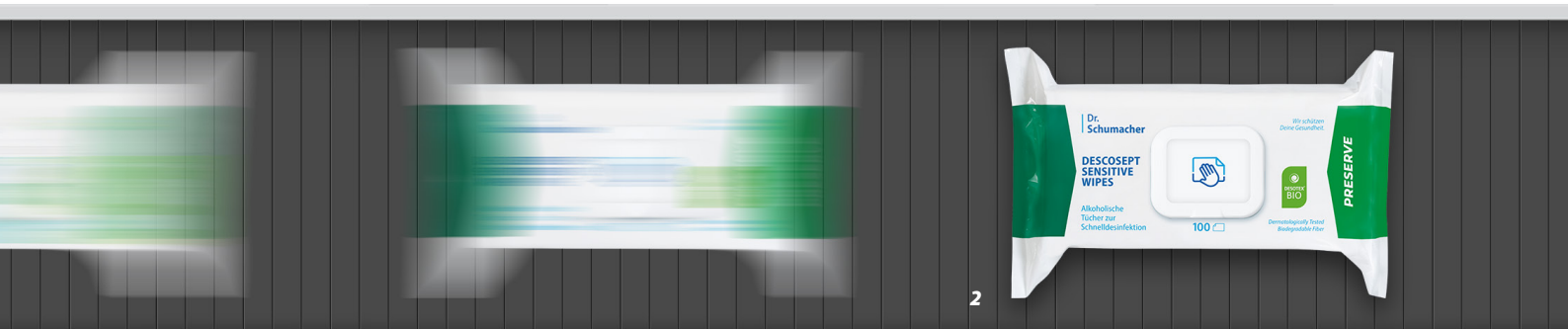


**1** Our packaging design has embodied our product quality for years.

## New Image

OUR PRODUCTS PROTECT PEOPLE'S HEALTH. WE OFFER A WIDE RANGE OF PRODUCTS WITH VARIOUS EFFICACIES TO MEET YOUR REQUIREMENTS IN ALL FIELDS OF APPLICATION. THIS ALLOWS US, AND YOU, TO MEET THE CHALLENGES IN THE HEALTH SECTOR EASILY AND SAFELY.





**2** And now has a new, clear appearance

**W**ith the roll out of our new logo, we are also moving forward with the new packaging designs and labels. You will notice a cleaner, modern design of our products that is reduced to the essentials for easier and safer use - just like the formulations in our products. This ensures the efficient use of a wide variety of products and reduces distractions.

#### Proper Application at a Glance

Our new packaging designs make it even easier to see the field of application for our products and which spectrum of efficacy they offer. On the left hand side of the label, a color marking the product family indicates the area of application. You may notice that some of the product category colors have changed. We are harmoniz-

ing our labeling with established product category colors already seen in the market: In the near future, our portfolio for surface disinfection will be dark, rich green.

The intended application area is also shown more clearly on the packaging with new icons on the labels. The individual icons support users in quickly identifying the area of application and makes it easier to identify the correct use at a glance.

#### Efficacy Level Immediately Recognizable

On the right side of the label, a separate color area references the level of efficacy offered by the product. Based on our **Prevent**, **Preserve** and **Protect** spectrum, this second color allows users to quickly select the appropriate disinfection level for each situa-

tion. The changeover to our new packaging design will take place step by step and will certainly take some time. You can find out which spectrum of efficacy is suitable for your area in this catalog (see page 15).

#### Clarity in Hygiene

Our goal is safe hygiene that is easy to use and can be universally applied. Only then can we prevent avoidable infections in hospitals and other professional areas. With the new packaging designs, Dr. Schumacher is taking another step towards making it easier to maintain proper hygiene in the healthcare sector, thereby reducing unnecessary nosocomial infections.

# INNOVATIVE, INDUSTRY LEADING, FUTURE-ORIENTED: **DR. SCHUMACHER PATENTS**



The Dr Schumacher patent seal shows which of our products already have been granted a patent.

## Patents and Product Development

**NEW TECHNOLOGICAL PROCESSES, ADVANCED, INNOVATIVE, POWERFUL SOLUTIONS AS WELL AS OUR BASE OF OVER 550 EXISTING FORMULATIONS ARE THE PILLARS OF SUCCESSFUL PRODUCT DEVELOPMENT AT DR. SCHUMACHER. THE RESULT IS REGULAR AND SUCCESSFUL PATENT SUBMISSIONS FOR OUR PRODUCTS AND TECHNOLOGIES.**

Since the founding of Dr. Schumacher GmbH in 1978, our focus has been on innovative product development and patents. Since the beginning, our in-house research and development team has set us apart from the competition. In order to fulfill our promise to protect the health of our fellow human beings, we work tirelessly to continually improve our products.

### An Environment for Innovation

In an industry with evolving standards and ever-changing market requirements, the development of new technologies and patents for active ingredients, non-woven materials and packaging is of particular importance. The R&D team at Dr. Schumacher is forever working on new, high-performance solutions to be one step ahead of new market requirements and the competition.

As a manufacturer of pharmaceutical, medical, biocidal and cosmetic products, we at Dr. Schumacher can meet almost any requirement. From aqueous and alcoholic solutions to emulsions and oil baths to creams, ointments, gels and products in powder form, we have the experience

to deliver what you need. Thanks to the expertise of our teams in the individual departments and many years of interdisciplinary work, we have become a leader in new product innovations and further industry developments.

### The Dr. Schumacher Patent Seal

To underline the value and importance of innovation, research and expertise, Dr. Schumacher developed a special patent seal. This prioritizes the importance of technology transfer and securing the future.

Historically Dr. Schumacher's patent applications on products and technologies have been awarded, offering us and our customers immediate protection. We have patents pending and granted in numerous countries around the world, as well as various utility models, securing the exclusive right to use our inventions commercially. The registration of utility models and securing of patents require a particularly high degree of conformity to underlying requirements and quality standards. As a family business, we make a significant contribution to research, securing knowledge and protecting our future viability.



## UNIQUE FORMULATIONS

increase the effectiveness  
our products

## STATE-OF-THE-ART PACKAGING

improves compliance and  
makes everyday work easier

## VALIDATED PROCEDURES

ensure safe work at  
the highest levels

## INNOVATIVE PRODUCTS

promote  
public health

A laboratory beaker containing blue liquid is placed on a white scale. A pipette is positioned above the beaker, with a blue liquid drop falling into it. The beaker has markings for 100 and 200. The background is a blurred laboratory setting with a yellow object visible on the left.

# **COMPELLINGLY GOOD**

## QUALITY AND COMPLIANCE

Quality and Performance

## THE CONSISTENTLY HIGH QUALITY OF OUR PRODUCTS FORMS THE BASIS OF DR. SCHUMACHER'S SUCCESS. OUR INNOVATIVE AND SUPERIOR PRODUCTS DIFFERENTIATE DR. SCHUMACHER FROM THE COMPETITION

**Q**uality guarantees safe application and protects people's health. We at Dr. Schumacher work every day to further improve the quality of our products. As a certified manufacturer of medical products and drugs, the highest quality requirements and controls apply to our business. Our products are listed by several associations and medical institutions. This makes the quality and safety of our products clear to the user.

### Certified and Validated Many Times Over

Dr. Schumacher has an extensive quality management system that integrates the requirements of increasing safety awareness, operational environmental protection and consistent product quality. We meet the requirements of DIN EN ISO 13485, which details the requirements for the design, manufacturing, storage and sale of medical products. In addition, we are certified according to the European Medical Devices

Regulation (MDR) and have a manufacturing license for pharmaceuticals. For more than ten years we have had an environmental management system validated according to DIN EN ISO 14001 and EMAS. We regularly monitor our environmental impact and undertake projects to keep it as low as possible.

### LISTINGS



**IHO** – Industry Association for Hygiene and Surface Protection for Industrial and Institutional Use e.V. ([www.desinfektionsmittelliste.de](http://www.desinfektionsmittelliste.de)). **ÖGHMP** – Products listed in the disinfectant list of the Austrian Society for Hygiene, Microbiology and Preventive Medicine ([www.oeghmp.at](http://www.oeghmp.at)). **RKI A** – Products listed in the disinfectant list of the Robert Koch Institute according to § 18 IfSG, effective range A. **RKI AB** – Products listed in the disinfectant list of the Robert Koch Institute according to § 18 IfSG, effective range AB. **RKI/DVV** – Virucidal product according to the guidelines of the German Association for Combating Viral Diseases e.V. (DVV) and the Robert Koch Institute (RKI). **VAH** – Products listed in the disinfectant list of the Association for Applied Hygiene e.V. ([www.vah-online.de](http://www.vah-online.de)).

### CERTIFICATES AND MEMBERSHIPS



**PREVENT**

**Spectrum of Efficacy<sup>1</sup>**

- Bactericidal
- Yeastocidal
- All enveloped viruses

**Relevant viruses**

- HBV
- HCV
- HIV
- Corona and influenza viruses



**ASEPTOMAN®**  
Alcoholic hand disinfectant

**PRESERVE**

**Spectrum of Efficacy<sup>1</sup>**

- Bactericidal
- Yeastocidal
- All enveloped viruses
- Noro-, Rota- und Adenoviruses
- Tuberculocidal

**Relevant viruses**

- HBV, HCV, HIV, Corona and Influenza viruses
- Noro-, Rota- und Adenoviruses



**ASEPTOMAN® MED**  
Alcoholic hand disinfectant

**PROTECT**

**Spectrum of Efficacy<sup>1</sup>**

- Bactericidal
- Yeastocidal
- Fully virucidal
- Tuberculocidal
- Sporocidal

**Relevant viruses**

- HBV, HCV, HIV, Corona- and Influenza viruses
- Noro-, Rota- und Adenoviruses
- ECHO-, Coxsackie-, Rhino-, Picoma- and Papillomaviruses
- Papillom viruses



**ASEPTOMAN® FORTE**  
Alcoholic hand disinfectant

**PREVENT PRESERVE PROTECT**

hygienic hand disinfection	30 s	–	–
surgical hand disinfection	1,5 min	–	–

**PREVENT PRESERVE PROTECT**

30 s	30 s	–
2 min	2 min	–

**PREVENT PRESERVE PROTECT**

30 s	30 s	30 s
1,5 min	1,5 min	1,5 min

ASEPTOMAN found on page 52

ASEPTOMAN MED found on page 53

ASEPTOMAN FORTE found on page 54

<sup>1</sup> Dr. Schumacher hygiene levels are based on general efficacy groupings. For specific product efficacy information, please consult the product information sheet or label.

<sup>2</sup> Not all Protect level products are effective against mycobacteria. Please check the product information sheet or label for specific efficacies and contact times.

# COLOR-CODED **EFFICACY INDICATORS**

Safety Made Simple at Dr. Schumacher

**EVEN BEFORE COVID, VIRUSES WERE ONE OF THE MANY PATHOGENS THAT CAUSE SERIOUS DISEASES, ESPECIALLY IN OLDER AND IMMUNO-COMPROMISED PEOPLE. VIRAL PATHOGENS ARE RESPONSIBLE FOR THE MAJORITY OF NOSOCOMIAL OUTBREAKS IN HEALTHCARE AND ELDER CARE FACILITIES.**

**V**iruses can be divided into two categories: enveloped and non-enveloped. Enveloped viruses, including the corona virus, can be easily inactivated due to an outer wall that is easily penetrated by chemical substances. Non-enveloped viruses, such as the noro or coxsackie viruses, are more difficult for chemicals to penetrate. Noro-, rota- and adenoviruses are responsible for the majority of outbreaks. According to a study by the Robert Koch Institute from 2016, 74% of all nosocomial outbreaks are caused by noroviruses alone. On the scale of penetrability, noroviruses fall somewhere between enveloped and non-enveloped viruses.

## **Efficacy Spectrums**

Dr. Schumacher's color coding helps quickly identify the level of efficacy offered by each product – Blue for Prevent, Green for Preserve and Red for Protect hygiene levels. For specific product efficacy information, it is still important to consult the product information sheet or label as concentrations and contact times vary between products.

## **Prevent Level**

Disinfectants at our Prevent level are primarily for use in the public areas of healthcare facilities. Their spectrum of efficacy is sufficient for low risk areas like entrances, waiting rooms and corridors and prevent unnecessary infections in visitors and otherwise healthy people. Efficacies include bactericidal, yeasticidal and all enveloped viruses such as HIV, corona and influenza viruses.

## **Preserve Level**

The Preserve level is ideal for environments with higher demands on disinfection and hygiene for patient safety. The risk of infection increases in treatment rooms and general wards, which means that stronger disinfectants with additional efficacies like noro-, rota- and adenoviruses and tuberculocidal, are required. In these near patient areas, it is critical to preserve the health of patients and hospital staff.

## **Protect Level**

The Protect level identifies disinfectants with the highest efficacy spectrums. These products are used in isolated areas of

medical facilities such as intensive care units or oncology and are also appropriate for general use in case of outbreaks. Protect level products minimize the risk of patients acquiring additional infectious diseases, thereby protecting people's health. Protect level products offer broad and comprehensive efficacies adding mycobactericidal, fully virucidal and sporicidal to their claims.<sup>2</sup>

## **Hygiene Levels in the Catalogue**

Most of the products in this catalog are color-coded to match our hygiene levels, which allows you to identify the efficacy spectrum at a glance. Product specific tables also include contact times and dosage recommendations based on realistic and practical product applications.



# ADDED SAFETY IN FOOD PREPARATION: **HAZARD ANALYSIS CRITICAL CONTROL POINT (HACCP)**

## Hygiene in the Food Industry

IN ADDITION TO GUARANTEEING FOOD SAFETY, HACCP HYGIENE CONCEPTS ARE PARTICULARLY IMPORTANT TO CONSUMER HEALTH. THEY DESCRIBE SAFETY SYSTEMS IN THE FIELD OF FOOD HANDLING AND PROCESSING, HIGHLIGHTING POTENTIAL DANGERS AND RISKS FOR CONSUMERS.

**H**ACCP concepts offer the ability to better control and monitor production in the food industry at corresponding key points, reducing health risks to consumers. HACCP stands for Hazard Analysis Critical Control Points.

### Contents and Goals of a HACCP Concept

The goal of an HACCP concept is to systematically identify possible risks in the handling of food for companies in the food processing industry. And once identified, to evaluate and mitigate those risks accordingly.

The seven principles of an HACCP concept form the basis of successful food safety.

1. Conduct a hazard analysis
2. Identify critical control points (CCP)
3. Establish critical limits for each critical control point
4. Establish critical control point monitoring requirements
5. Establish corrective actions
6. Establish record keeping procedures
7. Establish verification procedures

### HACCP Conformity at Dr. Schumacher

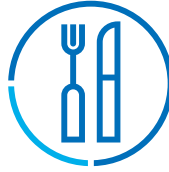
Comprehensive and effective cleaning and disinfection form the base for high level food safety. Dr. Schumacher's product portfolio provides professional recommendations for all food processing industries and companies.

With our HACCP-compliant products, we help companies in the food industry to achieve the highest level of safety for all their hygiene-related requirements, strengthening hygiene practices when handling food.

### Advantages of our HACCP-compliant products

1. Improved consumer protection
2. High food safety
3. Transparent production processes
4. Increased compliance in quality management
5. Adherence to legislative requirements
6. Transparent production processes





**RECOMMENDED PRODUCTS**

**HACCP Compliant Cleaning and Disinfection**

Our products that currently comply with HACCP guidelines, are the results of the successful combination of efficient work and professional expertise.

**DESCOCEPT SENSITIVE**



**DESCOCEPT PUR**

**DESCOCEPT SENSITIVE WIPES**



**ASEPTOMAN® MED**

**DESCOLIND PURE WASH**



*Product*

*Page*

**Ready-to-Use Surface Disinfection**

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## ULTRASOL® ACTIVE

### Powder concentrate for surface disinfection

**U**LTRASOL ACTIVE is ideal for disinfecting and cleaning all types of surfaces due to its excellent spectrum of efficacy and material compatibility. Thanks to its RKI AB listing, it is recommended for use in case of outbreaks and epidemics in addition to routine disinfection in high risk areas. ULTRASOL ACTIVE is fragrance-free, low-odour user-friendly and offers excellent material compatibility.

## DESCOSEPT SENSITIVE WIPES

### Alcoholic surface disinfection wipes

**M**edical products as well as medical inventory and surfaces of all kinds in near patient areas can be quickly and easily cleaned and disinfected with our DESCOSEPT SENSITIVE WIPES. Our Innovation: in addition to the traditional non-woven material, this best selling formulation is now available in combination with a renewable, organic non-woven material. It consists of 100% natural fibers and is biodegradable<sup>1</sup>. The optimized ratio of liquid to wipe guarantees effective disinfection in shortest time possible.

<sup>1</sup> The biodegradability of our wipe material has been certified in accordance with EN 13432.



## ONE SYSTEM BASIC

### Single-use non-woven wipe dispenser systems for use with any disinfectant

**T**his innovative, disposable non-woven wipe dispenser system, ONE SYSTEM BASIC, is a flexible and space-saving alternative to traditional dispenser systems. The transparent design of the pouch enables a quick and easy fill-level check. As with our traditional dry wipe dispenser systems, ONE SYSTEM BASIC offers a short pre-soaking time of 15 minutes, as well as 42 days standing time after filling. The single use design increases compliance and reduces risk of contamination.





## ASEPTOMAN® MED

### Alcoholic hand disinfectant

**A**SEPTOMAN MED is extremely skin-friendly while offering a broad spectrum of activity. It is effective against all enveloped viruses as well as Noro-, Rota and Adenoviruses in 30 seconds. Its high-quality, moisturizing and nourishing formula protects from dryness and make ASEPTOMAN MED an ideal product for daily routine.

## PERFEKTAN® ENZYME

### Multi-enzymatic disinfectant cleaner for reprocessing of instruments and endoscopes

**P**ERFEKTAN ENZYME the ideal disinfectant cleaner for the manual pre-cleaning and reprocessing of thermostable and thermolabile medical products. Its four powerful enzymes and combined surfactants thoroughly and reliably remove organic dirt without protein fixation. PERFEKTAN ENZYME's pH neutral formulation ensures good material compatibility and retains the value of your medical products. PERFECT ENZYME can also be used in ultrasonic baths and reprocessing of flexible endoscopes.



## THERMOSHIELD® XTREME

### Mildly alkaline enzymatic cleaner for automated reprocessing

**O**ur enzymatic, mildly alkaline cleaner THERMOSHIELD XTREME is designed for automated reprocessing of medical and surgical instruments. It efficiently removes organic contaminants like proteins, blood, tissue debris and fatty residues. Due to its excellent material compatibility, even sensitive materials such as anodized aluminum can be safely reprocessed.

## SURFACE



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**SURFACE**

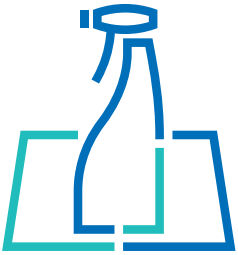
# Rapid Disinfection



## **Efficient, Routine Disinfection**

Whether targeted disinfection or routine disinfection: ready-to-use solutions from Dr. Schumacher offer quick and easy disinfection of small, medium and large areas.

Ready-to-use Dr. Schumacher surface disinfectants are available in both alcohol and an alcohol-free formulations. These disinfectants offer great material compatibility and are suitable for use on a wide variety of surfaces.



	Application Method			Properties	Active Ingredients	Spectrum of Activity								
	Wipe disinfection	Rapid disinfection	Cleaning			Alcoholic	Perfume-free	QAV	Ethanol	Bactericidal	Yeasticidal	Fungicidal	Tuberculocidal	Sporicidal
DESCOCEPT SPEZIAL	•	•	•		•	•		•	•				•	
DESCOCEPT SENSITIVE	•	•	•	•	•		•	•	•		•		•	•
DESCOCEPT PUR	•	•	•	•	•		•	•	•		•		•	•

Please refer to the product information sheet (PIF) for complete information on the spectrum of activity.

**PREVENT**

Applicable as foam

## DESCOCEPT SPEZIAL

### Alcohol-free rapid disinfection

- Particularly suitable for alcohol-sensitive surfaces
- Strong cleaning power
- Short contact time

DESCOCEPT SPEZIAL is an alcohol-free, ready-to-use solution for disinfection and cleaning of medical inventory, medical devices and all kinds of surfaces. Especially for alcohol-sensitive medical devices and surfaces, also suitable for acrylic glass. Based on quaternary ammonium compounds. DESCOCEPT SPEZIAL is alcohol-free, contains neither aldehydes or phenols, nor perfums.

**PRESERVE**

## DESCOCEPT SENSITIVE

### Alcoholic rapid disinfectant

- Ideal for safe disinfection in daily routine
- Comprehensive, fast effectiveness
- Very good material compatibility

DESCOCEPT SENSITIVE is a ready-to-use, alcohol-based rapid disinfectant based on ethanol for gentle disinfection and cleaning of medical devices and medical equipment as well as surfaces of all types. The product is particularly suitable for areas near patients in which a broad spectrum of activity is required. Besides providing effective disinfection within a very short time, the product has a very good material compatibility.

## Spectrum of efficacy and contact time

	<b>PREVENT</b>	<b>PRESERVE</b>	<b>PROTECT</b>
Application recommendation for surface disinfection with or without mechanical action	1 min		

## Composition – 100 g solution contain

0,5 g Alkyl (C12-16) dimethylbenzylammoniumchlorid  
0,25 g Didecyldimethylammoniumchlorid

Single Unit	Unit	Content	REF
spray bottle	6	750 ml	00-208-0075E
bottle	10	1 L	00-208-010E
canister	3	5 L	00-208-050E

## Spectrum of efficacy and contact time

	<b>PREVENT</b>	<b>PRESERVE</b>	<b>PROTECT</b>
Application recommendation for surface disinfection with or without mechanical action	1 min	3 min	
Application recommendation for tuberculocidal surface disinfection with or without mechanical action		3 min	

## Composition – 100 g solution contain

45 g Ethanol

Single Unit	Unit	Content	REF
spray bottle	6	750 ml	00-323DS-0075-02E
bottle	10	1 L	00-323DS-010E
canister	3	5 L	00-323DS-050E



**PRESERVE**

## DESCOSEPT PUR

### Alcoholic rapid disinfectant

- Ready to use
- Residue-free
- Fragrance-free

DESCOSEPT PUR is a ready-to-use, aldehyde-free rapid disinfectant based on ethanol for a rapid and effective disinfection of medical inventory, medical devices as well as all kinds of surfaces. Especially suitable for difficult to reach surfaces. DESCOSEPT PUR is free from perfume and residue-free. It is therefore especially applicable for the rapid disinfection in the food industry and in canteen kitchens.

#### Spectrum of efficacy and contact time

	<b>PREVENT</b>	<b>PRESERVE</b>	<b>PROTECT</b>
Application recommendatio for surface disinfection with mechanical action	5 min	5 min	
Application recommendatio for surface disinfection without mechanical action	5 min	5 min	
Application recommendation for tuberculocidal surface disinfection		5 min	

#### Composition – 100 g solution contain

45 g Ethanol

Single Unit	Unit	Content	REF
bottle	10	1L	00-323-010E
canister	3	5L	00-323-050E

## Areas of application for rapid disinfection



Ready-to-use rapid disinfectants are always used if surfaces or medical devices need to be available again for use as soon as possible after disinfection.

Typical examples include near patient surfaces or surfaces with frequent hand and skin contact in hospitals and clinics such as examination tables, surgical lamps, hand rails or telephone handsets. The surfaces of medical devices such as ultrasound heads or even operating elements of devices must also be readily available for the next patient after a treatment. Depending on the materials, alcoholic or alcohol-free preparations can be used. For alcohol-sensitive materials such as acrylic glass, only alcohol-free rapid disinfectants should be used.





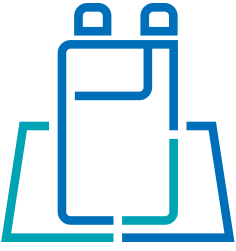
**SURFACE**

# Concentrates for Surface Disinfection

## **Highly effective and material friendly**

Dr. Schumacher offers a diverse selection of disinfectant concentrates for surface disinfection and cleaning. These products are particularly suitable for wiping large areas such as floors and worktops.

The safe and comprehensively effective disinfectant concentrates from Dr. Schumacher GmbH can be found in liquid and powder form and are suitable for all your surface disinfection needs - from routine to outbreak.



	Application Method			Properties			Active Ingredients			Spectrum of Activity								
	Wipe disinfection	Rapid disinfection	Cleaning	Alcoholic	Alcohol-free	Perfume-free	QAV	Aldehyde	Alkylamines	peracetic acid	Bactericidal	Yeasticidal (C. albicans)	Fungicidal	tuberculocidal	Sporicidal	Active against enveloped viruses	Roza, Adeno und Noro-viruses	Virucidal
<b>CLEANISEPT®</b>	•	•	•		•	•	•				•	•				•		
<b>BIGUANID FLÄCHE N</b>	•	•	•		•		•				•	•				•		
<b>OPTISAL® N</b>	•		•		•				•		•	•		•		•		
<b>OPTISAL® PLUS</b>	•	•	•		•	•	•		•		•	•	•	•		•	•	
<b>ULTRASOL® ACTIVE</b>	•	•	•		•	•				•	•	•	•	•	•	•	•	•

Please refer to the product information sheet (PIF) for complete information on the spectrum of activity.

**PREVENT****CLEANISEPT®**

Liquid concentrate for surface disinfection and cleaning

- Disinfection & good cleaning power
- Alcohol-free
- Perfume-free

CLEANISEPT is an aldehyde-free concentrate for disinfection and cleaning of medical inventory, medical devices and all kinds of surfaces. CLEANISEPT is based on modern quaternary ammonium compounds. It is perfume free, contains neither aldehydes nor phenols and stands out with its good cleaning power. CLEANISEPT is ideally suited for surface disinfection of non porous surfaces. It is especially recommended for all areas where, in addition to the compliance with high hygienic demands, an odour-free product is required. CLEANISEPT has good material compatibility and is also suited for acrylic glass.

**PREVENT****BIGUANID FLÄCHE N**

Liquid concentrate for surface disinfection and cleaning

- Strong cleaning power
- No odor nuisance
- Ideal for linoleum and PVC

BIGUANID FLÄCHE N is an aldehyde-free and phenol-free concentrate for disinfection and cleaning of non-invasive medical devices, medical inventory as well as for all kinds of surfaces. BIGUANID FLÄCHE N has a broad efficacy, it is tuberculocidal and is active against norovirus. The user-friendly formulation of BIGUANID FLÄCHE N is based on quaternary ammonium compounds and contains neither aldehydes nor phenols. The product contains very efficient corrosion inhibitors and has a good material compatibility. It is recommended to be used in areas where in addition to the compliance with high hygienic demands, the avoidance of unpleasant odors is required.

**Spectrum of efficacy and contact times**

	<b>PREVENT</b>	<b>PRESERVE</b>	<b>PROTECT</b>
Application recommendation for surface disinfection	2,5 % – 15 min 1 % – 60 min		

**Composition – 100 g solution contain**

3,33 g Didecyldimethylammoniumchlorid  
6,66 g Alkyl (C12-16) dimethylbenzylammoniumchlorid

Single Unit	Unit	Content	REF
dosage bottle	10	1 L	00-204-010E
bottle	6	2 L	00-204-020-01E
canister	3	5 L	00-204-050E

**Spectrum of efficacy and contact times**

	<b>PREVENT</b>	<b>PRESERVE</b>	<b>PROTECT</b>
Application recommendation for surface disinfection	1 % – 15 min 0,5 % – 60 min		

**Composition – 100 g solution contain**

16 g Alkyl (C12-16) dimethylbenzylammoniumchlorid

Single Unit	Unit	Content	REF
sachet	200	40 ml	00-201-0004-01E
dosage bottle	10	1 L	00-201-010E
bottle	6	2 L	00-201-020-01E
canister	3	5 L	00-201-050E

**PREVENT**

**PRESERVE**



## OPTISAL® N

Liquid concentrate for surface disinfection and cleaning

- Suitable for daily use
- Excellent cleaning properties
- Fresh and pleasant scent

OPTISAL N is a user-friendly concentrate for disinfection and cleaning of non-invasive medical devices, medical inventory and all kinds of surfaces. The product has a remarkably high cleaning power. Moreover, it has a fresh and pleasant scent, as it contains neither aldehydes nor phenols. Due to its QAC (quaternary ammonium compounds)-free formulation, adhesive effects on treated surfaces are avoided. The use of OPTISAL N is especially recommended for all areas where, in addition to the compliance with high hygienic demands, the avoidance of unpleasant odors is required. Well suited for use on PVC/linoleum-floors.

## OPTISAL® PLUS

Liquid concentrate for surface disinfection and cleaning

- Optimal for daily routine
- Comprehensive range of efficacy
- Flexible use

OPTISAL PLUS is a liquid concentrate for disinfection and cleaning of near-patient surfaces as well as non-invasive medical devices. The product can be used universally for disinfection and cleaning of surfaces in medical areas. OPTISAL PLUS is characterised by an excellent cleaning performance and a range of efficacy specially designed for routine applications. In addition to its effectiveness against all enveloped viruses (HBV, HIV, HCV), OPTISAL PLUS is highly effective against non-enveloped viruses such as adenovirus, norovirus and rotavirus. OPTISAL PLUS is also very effective against mycobacteria and fungi. Its innovative composition ensures smear-free drying when used. OPTISAL PLUS is odour-free and fragrance-free.

**Spectrum of efficacy and contact times**

	<b>PREVENT</b>	<b>PRESERVE</b>	<b>PROTECT</b>
Application recommendation for surface disinfection	1 % – 15 min 0,5 % – 60 min		
Application recommendation for tuberculocidal surface disinfection		0,5 % – 60 min	

**Composition – 100 g solution contain**

7.2 g N-(3-Aminopropyl)-N-dodecylpropan-1,3-diamine

Single Unit	Unit	Content	REF
dosage bottle	10	1 L	00-214-010E
canister	3	5 L	00-214-050E

**Spectrum of efficacy and contact times**

	<b>PREVENT</b>	<b>PRESERVE</b>	<b>PROTECT</b>
Application recommendation for surface disinfection	2,5 % – 5 min 0,5 % – 60 min	2 % – 30 min 1 % – 60 min	
Application recommendation for tuberculocidal surface disinfection		1,5 % – 60 min	

**Composition – 100 g solution contain**

6,6 g Alkyl (C12-16) dimethylbenzylammoniumchlorid

2,3 g Didecylmethylammoniumchlorid

7,2 g N-(3-aminopropyl)-N-dodecylpropan-1,3-diamin

Single Unit	Unit	Content	REF
sachet	300	20 ml	00-245-0002E
dosage bottle	10	1 L	00-245-010E
canister	3	5 L	00-245-050E

*Prevent – Bactericidal, yeasticidal, all enveloped viruses Preserve – Bactericidal, yeasticidal, all enveloped viruses, Noro-, Rota- und Adenoviruses, tuberculocidal Protect – Bactericidal, easticidal, fully virucidal, tuberculocidal, sporicidal. Use disinfectants safely. Always read the label and product information before use.*

**PROTECT**

## ULTRASOL® ACTIVE

### Powder concentrate for surface disinfection

- For disinfection with increased efficacy requirements
- Comprehensive and uncompromising efficacy
- Reliable and safe application

ULTRASOL ACTIVE is a highly effective powder concentrate with excellent efficacy for disinfecting and cleaning of all types of surfaces. ULTRASOL ACTIVE is a low dusting powder and therefore especially reliable and safe during dosing. ULTRASOL ACTIVE is listed in the AB column of the RKI and is suited for routine surface disinfection when increased efficacy is required as well as for surface disinfection in outbreak cases. ULTRASOL ACTIVE achieves the highest efficacy range due to the peracetic acid active agent generated in situ, in mild alkaline solution. This product provides excellent cleaning power while offering superb material compatibility. The efficacy of ULTRASOL ACTIVE is achieved even at high levels of organic contamination; dried-on blood can be easily and safely removed. This perfume-free and odourless product is especially suitable for disinfection in areas where maximum efficacy and outstanding cleaning performance are required.

#### Top performance against spores

Highly effective and quick to use – level up with ULTRASOL ACTIVE, the sporicidal surface disinfectant. *Clostridioides (C.) difficile*, resilient spores, are effectively inactivated within a very short exposure time and with excellent material compatibility.

#### Safety in areas close to patients and residents

Short exposure times are crucial in surface disinfection. This is especially true for frequently touched surfaces in the immediate vicinity of patients and residents. Ultrasol Active is the ideal solution for the sporicidal disinfection of these surfaces. This powerful powder concentrate offers comprehensive efficacy and is quick, material-friendly and safe to use. ULTRASOL ACTIVE can be used daily and guarantees a comprehensive safe disinfection.

#### Spectrum of efficacy and contact times

	<b>PREVENT</b>	<b>PRESERVE</b>	<b>PROTECT</b>
Application recommendation for surface disinfection	1 % – 5 min 0,5 % – 15 min	1 % – 15 min	2 % – 15 min 1 % – 60 min
Application recommendation for tuberculocidal surface disinfection		2 % – 15 min	2 % – 15 min 1 % – 60 min
Application recommendation for sporicidal surface disinfection			2 % – 15 min 1 % – 60 min

#### Composition – 100 g solution contain

Peracetic acid (in-situ) > 750 mg/l (1 % solution)

Single Unit	Unit	Content	REF
sachet	100	40 g	00-255-0004
can (incl. measuring spoon)	6	1 kg	00-255-010

ULTRASOL<sup>®</sup> ACTIVE

Strong Performance in Case of Outbreaks



*Available  
now  
in a  
40 g sachet*

*Effective  
against  
*C. difficile* in  
5 Min (1.5%)*

**SURFACE**

# Rapid Disinfection Wipes



## **Simple and economical**

The ready-to-use surface disinfectant wipes from Dr. Schumacher are an easy and quick solution for cleaning and disinfecting small to large surfaces. The size of the cloth used depends on the size of the area to be disinfected.

In routine use as well as in cases of higher efficacy requirements, Dr. Schumacher's disinfectant wipes never fail to impress. Available in expertly formulated alcoholic and non-alcoholic solutions, our wipes are suitable for disinfection of nearly all surfaces.





	Application Method		Properties			Active Ingredients		Spectrum of Activity							
	Rapid disinfection	Cleaning	Alcoholic	Alcohol-free	Perfume-free	QAV	Ethanol	Bactericidal	Yeasticidal (C. albicans)	Fungicidal	tuberculocidal	Sporicidal	Active against enveloped viruses	Rota, Adeno und Noro-viruses	Virucidal
CLEANISEPT® WIPES	•	•		•	•	•		•	•				•		
CLEANISEPT® WIPES MAXI	•	•		•	•	•		•	•				•		
DESCOCEPT SPEZIAL WIPES	•	•		•	•	•		•	•				•		
DESCOCEPT SENSITIVE WIPES	•	•	•		•		•	•	•		•		•	•	
DESCOCEPT SENSITIVE WIPES XL	•	•	•		•		•	•	•		•		•	•	
DESCOCEPT PUR WIPES RTU	•	•	•		•		•	•	•		•		•	•	
CLEANISEPT® WIPES FORTE	•	•		•	•	•		•	•	•			•	•	•
CLEANISEPT® WIPES FORTE MAXI	•	•		•	•	•		•	•	•			•	•	•

Please refer to the product information sheet (PIF) for complete information on the spectrum of activity.

PREVENT



## CLEANISEPT® WIPES

Alcohol-free wipes for rapid disinfection

- **Universal, comfortable and quick application using a practical dispenser**
- **Basic, rapid efficacy**
- **For disinfection of ultrasound probes for abdominal examinations**

CLEANISEPT WIPES are alcohol-free, ready-to-use disinfection wipes for rapid disinfection and cleaning of medical devices and medical equipment. CLEANISEPT WIPES enable quick and easy application, particularly for disinfecting and cleaning ultrasound probes without mucous membrane contact. They are free of alcohol and do not contain aldehydes or phenols. The wipes can be removed individually from the practical and resealable dispenser.

PREVENT



## CLEANISEPT® WIPES MAXI

Alcohol-free wipes for rapid disinfection

- **Universal, comfortable and time-saving application**
- **Basic, rapid efficacy**
- **Especially suited for disinfection of medium-sized surfaces in routine areas**

CLEANISEPT WIPES MAXI are ready to use wipes for rapid disinfection and cleaning of medical devices and medical inventory as well as all kind of surfaces in all areas of the routine. CLEANISEPT WIPES MAXI offer a universal and time-saving application for the disinfection and cleaning of medium-sized surfaces. The solution is alcohol-free and free of aldehydes and phenols. The wipes can be extracted individually from the re-sealable and user-friendly flowpack.

### Spectrum of efficacy and contact times

**PREVENT PRESERVE PROTECT**

Application recommendation for surface disinfection 1 min

### Composition – 100 g solution contain

0,5 g Alkyl(C<sub>12</sub>-16) dimethylbenzylammoniumchlorid

0,25 g Didecyldimethylammoniumchlorid

Single Unit	Unit	Content	Size	REF
dispenser box	12	100 wipes	14 X 20 cm	00-208-D100-01E
refill pack	12	100 wipes	14 X 20 cm	00-208-R100-01E

### Spectrum of efficacy and contact times

**PREVENT PRESERVE PROTECT**

Application recommendation for surface disinfection 1 min

### Composition – 100 g solution contain

0,5 g Alkyl(C<sub>12</sub>-16) dimethylbenzylammoniumchlorid

0,25 g Didecyldimethylammoniumchlorid

Single Unit	Unit	Content	Size	REF
flowpack	6	100 wipes	20 X 22 cm	00-208-T100E

PREVENT



## DESCOCEPT SPEZIAL WIPES

### Alcohol-free wipes for rapid disinfection

- **Universal, comfortable and timesaving application in a usual dispenser bucket**
- **Basic, rapid efficacy**
- **Especially suited for disinfection of large surfaces in routine areas**

DESCOCEPT SPEZIAL WIPES are alcohol-free, ready-to-use Wipes for rapid disinfection and cleaning of medical devices and medical inventory as well as all kind of surfaces in all areas of the routine. DESCOCEPT SPEZIAL WIPES offer a universal and time saving application for the disinfection and cleaning of large surfaces. The wipes can be extracted individually from the wipes dispenser system with the re-sealable lid. DESOTEX(R) preparation wipes are provided with every refill package to enable a manual and hygienic preparation before refilling the wipes dispenser.

Each refill pack comes with our reprocessing wipes to enable manual hygienic reprocessing before refilling the dispenser.

#### Spectrum of efficacy and contact times

**PREVENT PRESERVE PROTECT**

Application recommendation for surface disinfection 1 min

#### Composition – 100 g solution contain

0,5 g Alkyl(C12-16) dimethylbenzylammoniumchlorid

0,25 g Didecyldimethylammoniumchlorid

Single Unit	Unit	Content	Size	REF
dispenser and roll	1	100 wipes	30 x 32 cm	00-208-ERS100-01E
refill pack	2	100 wipes	30 x 32 cm	00-208-RS100-01E

## Contact times for surface disinfection

Compliance with contact times is essential to ensure successful hygiene with surface disinfection. According to the Robert Koch Institute, routinely disinfected surfaces can be used again once they are visibly dry. There are, however, exceptions for which the contact time for surface disinfection must be observed.

### What is the one-hour value?

With the one-hour value, concentrates are dosed in such a way that the solution becomes effective after a contact time of one hour. This value is used in high risk areas in particular. It is important to note that once the disinfected surface is visibly dry, it can be used again irrespective of the one-hour contact time. Most micro-organisms are inactivated at the start of the contact time.

### In which situations must the given contact time be observed before the surface can be reused?

- With targeted disinfection when there is a risk of germ transmission from a surface to a patient.
- With final disinfection.
- When reprocessing medical devices.
- When disinfecting baths.

Should surfaces have to be reused quickly on a regular basis, the use of rapidly effective disinfectants is recommended.



# DESCOCEPT SENSITIVE WIPES



- Universal, comfortable and time-saving application
- Comprehensive, fast effectiveness
- Especially suited for disinfection of medium-sized surfaces in near patient areas

## Alcohol-impregnated wipes for rapid disinfection

DESCOCEPT SENSITIVE WIPES are alcoholic, ready to use wipes for disinfection and cleaning of medical devices and medical inventory as well as all kind of surfaces, especially sensitive surfaces in near patient areas. DESCOCEPT SENSITIVE WIPES offer a universal and time-saving application for the disinfection and cleaning of medium-sized surfaces. The wipes can be extracted individually from the resealable and user-friendly flowpack. DESCOCEPT SENSITIVE WIPES are based on an optimal combination of wipe and impregnating solution. Therefore they offer effective, yet gentle disinfection within a short time.

### Spectrum of efficacy and contact times

	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection	2 min	3 min	
Application recommendation for tuberculocidal surface disinfection		3 min	

### Composition – 100 g solution contain

45 g Ethanol

Single Unit	Unit	Content	Size	REF
flowpack	9	60 wipes	20 x 22 cm	00-323DS-To60E
flowpack (DESOTEX Bio)	6	100 wipes	20 x 20 cm	00-323DS-T100E

<sup>1</sup> The biodegradability of our wipe material has been certified in accordance with EN 13432.

**Prevent** – Bactericidal, yeasticidal, all enveloped viruses **Preserve** – Bactericidal, yeasticidal, all enveloped viruses, Noro-, Rota- und Adenoviruses, tuberculocidal **Protect** – Bactericidal, easticidal, fully virucidal, tuberculocidal, sporicidal.

Use disinfectants safely. Always read the label and product information before use.

SUSTAINABLE

PERFORMANCE

RANGE

EFFICACY



## DESOTEX Bio wipes for high quality disinfection

100 Wipe flowpack with 100 % biodegradable material<sup>1</sup>

Commitment to the **environment** with renewable materials

### Improved wipe material: 100 % biodegradable<sup>1</sup>

Dr. Schumacher has long been committed to the reduction of CO<sub>2</sub> emissions, energy and water consumption. The new and improved **DESCOSEPT SENSITIVE WIPES** are made with a high performance non-woven material made from renewable and compostable fibers.



More efficient **cleaning performance**

### High performing, sturdy wipe material

The use of our improved wipe material in combination with an increased amount of soaking solution allows for a quick and easy disinfection of medium to large surfaces. The optimized structure of the wipe picks up and traps more dirt than ever before. **DESCOSEPT SENSITIVE WIPES** are easy-to-use and come in a resealable flow pack.

Better **range of coverage** than PET-materials

### Surface disinfection made easy

Extensive testing has concluded that the improved, non-woven material provides an increased range of coverage for surface cleaning and disinfection. When compared to the traditional PET wipe material, the new biodegradable **DESCOSEPT SENSITIVE WIPES** can cover over 2 m<sup>2</sup> more. With one wipe, you can clean a significantly larger surface area.

High efficacy with outstanding **compatibility**

### Innovative formulation with optimal wipe to liquid ratio

With a unique, low-ethanol composition, the improved **DESCOSEPT SENSITIVE WIPES** provide effective surface disinfection in the shortest possible time. At the same time, the expertly formulated soaking solution offers high skin and material compatibility.

New in  
2023

PRESERVE



## DESCOSEPT SENSITIVE WIPES XL

Alcohol-impregnated wipes for rapid disinfection

- Universal, comfortable and time-saving application
- Broad, rapid efficacy
- Especially suited for disinfection of large surfaces in near patient areas

DESCOSEPT SENSITIVE WIPES XL are alcoholic, ready to use wipes for disinfection and cleaning of medical devices and medical inventory as well as all kind of surfaces, especially sensitive surfaces in near patient areas. DESCOSEPT SENSITIVE WIPES XL offer a universal and time-saving application for the disinfection and cleaning of large surfaces. The wipes can be removed individually from the pre-soaked disposable disinfection wipe dispenser system. DESCOSEPT SENSITIVE WIPES XL are based on an optimal combination of wipe and impregnating solution. Therefore they offer effective, yet gentle disinfection within a short time.

### Spectrum of efficacy and contact times

	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection	2 min	3 min	
Application recommendation for tuberculocidal surface disinfection		3 min	

### Composition – 100 g solution contain

45 g Ethanol

Single Unit	Unit	Content	Size	REF
Wipes Dispenser	4	120 wipes	17,5 x 36 cm	00-323DS-OSEB120

PRESERVE



## DESCOSEPT PUR WIPES RTU

Alcoholic wipes for rapid disinfection

- Versatile application, comfortable and time saving
- Extensive, rapid efficacy
- Especially suited for disinfection of large-sized surfaces in near patient areas

DESCOSEPT PUR WIPES RTU are alcoholic, ready to use wipes for disinfection and cleaning of non invasive medical devices and medical inventory as well as surfaces in patient-near areas. DESCOSEPT PUR WIPES RTU offer a universal and time saving application for the disinfection and cleaning of large surfaces. The wipes can be extracted individually from the known wipes dispenser system with re-sealable lid.

Each refill pack comes with our reprocessing wipes to enable manual hygienic reprocessing before refilling the dispenser.

### Spectrum of efficacy and contact times

	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection	5 min	5 min	
Application recommendation for tuberculocidal surface disinfection		5 min	

### Composition – 100 g solution contain

45 g Ethanol

Single Unit	Unit	Content	Size	REF
dispenser and roll	1	120 wipes	17,5 x 36 cm	00-323-ERS120E
refill pack	2	120 wipes	17,5 x 36 cm	00-323-RS120E

**PROTECT**



**PROTECT**



## CLEANISEPT® WIPES FORTE

Alcohol-free wipes for rapid disinfection

- **Universal, comfortable and quick application using a practical dispenser**
- **Extensive, rapid efficacy**
- **For virucidal disinfection of ultrasound probes for transvaginal and abdominal examinations**

CLEANISEPT WIPES FORTE are alcohol-free, ready to use wipes for virucidal rapid disinfection and cleaning of medical devices and medical inventory. CLEANISEPT WIPES FORTE enables a practical and time-saving application, especially for the virucidal disinfection and cleaning of ultrasound probes. The wipes are free of alcohol, aldehydes and phenols. The wipes can be extracted individually from a re-sealable dispenser box. CLEANISEPT WIPES FORTE based on a user-friendly soaking solution. The product is odor free and has a very good material compatibility, yet still it offers extensive and fast efficacy.

## CLEANISEPT® WIPES FORTE MAXI

Alcohol-free wipes for rapid disinfection

- **Universal, comfortable and time-saving application**
- **Extensive rapid efficacy**
- **Especially suited for disinfection of medium-sized surfaces in areas with increased efficacy requirements**

CLEANISEPT WIPES FORTE MAXI are alcohol-free, ready-to-use disinfection wipes for virucidal disinfection and cleaning of medical devices and medical equipment as well as all types of surfaces in areas requiring greater efficacy. CLEANISEPT WIPES FORTE MAXI ensure universal and quick application for disinfecting and cleaning of medium-sized surfaces. The wipes can be removed individually from the practical packaging with its resealable cover.

Spectrum of efficacy and contact times				
	PREVENT	PRESERVE	PROTECT	
Application recommendation for surface disinfection	2 min	2 min	2 min	
Composition – 100 g solution contain				
0,4 g Alkyl(C12-16) dimethylbenzylammoniumchlorid				
0,2 g Didecyldimethylammoniumchlorid				
Single Unit	Unit	Content	Size	REF
dispenser box	12	100 wipes	14 x 20 cm	00-235-D100E

Spectrum of efficacy and contact times				
	PREVENT	PRESERVE	PROTECT	
Application recommendation for surface disinfection	2 min	2 min	2 min	
Composition – 100 g solution contain				
0,4 g Alkyl (C12-16) dimethylbenzylammoniumchlorid				
0,2 g Didecyldimethylammoniumchlorid				
Single Unit	Unit	Content	Size	REF
flowpack	6	100 wipes	20 x 22 cm	00-235-T100E

*Prevent – Bactericidal, yeasticidal, all enveloped viruses Preserve – Bactericidal, yeasticidal, all enveloped viruses, Noro-, Rota- und Adenoviruses, tuberculocidal Protect – Bactericidal, easticidal, fully virucidal, tuberculocidal, sporidical. Use disinfectants safely. Always read the label and product information before use.*

**SURFACE**

# Dry Wipe Systems

## **Fast and flexible**

For areas that require cleaning and/or disinfection several times a day, the dry wipe dispenser systems from Dr. Schumacher are the ideal solution. Your favorite disinfectant in combination with our high-quality non-woven cloth rolls, allows for a fast, flexible and cost-efficient surface disinfection.

With our time-tested, reusable dispensers and our safe, single-use dispensers for maximum safety, Dr. Schumacher has the right system for your needs, even in high-risk areas.







	Type of System		Use		Standing Time		Content	Size
	Disposable non-woven wipe dispenser system	Reusable non-woven wipe dispenser system	Routine disinfection	High risk areas	28 days	42 days <sup>1</sup>	Wipes per roll	Wipe size
<b>ONE SYSTEM BASIC</b>	•		•	•		•	120 wipes	17,5 x 36 cm
<b>ONE SYSTEM+ PLUS</b>	•		•	•		•	100 wipes	30 x 32 cm
<b>DESCO WIPES</b>		•	•		•		50 wipes	30 x 32 cm
		•	•		•		100 wipes	30 x 32 cm
<b>DESCO WIPES SMALL</b>		•	•		•		70 wipes	25 x 25 cm
<b>ECO WIPES</b>		•	•		•		50 wipes	30 x 32 cm
		•	•		•		100 wipes	30 x 32 cm

<sup>1</sup> In comparison with other conventional surface disinfectants with a standing time of 28 days and a impregnation time of 30 minutes, the tested VAH-listed surface disinfectants Optisal PLUS, Optisal N, Biguanid Fläche N, Descosept pur and Descosept sensitive from Dr. Schumacher achieved a impregnation time of only 15 minutes and an increased standing time for the filled system of 42 days.



When used with

OPTISAL PLUS, BIGUANID FLÄCHE NR, CLEANISEPT, OPTISAL N

## ONE SYSTEM BASIC

### Single use wipe dispenser for filling with disinfectants

- Compact flexi-packaging with high stability for particularly easy handling and fill-level control
- Filled with DESOTEX non-woven wipes
- Ready for use in 15 minutes<sup>1</sup> – even in areas with a increased risk of infection – up to 42 days<sup>1</sup> standing time

ONE SYSTEM BASIC is an innovative single-use wipe dispenser system for effective hygiene measures. In combination with suitable disinfectants, it can be used for reliable hygienic reprocessing of medical devices and medical equipment as well as all types of surface. ONE SYSTEM BASIC is easy to use and saves you time. The system comes complete with a DESOTEX wipe roll, so it is ready to use after filling with disinfectant and allowing a 15-minute impregnation time. Together with Dr. Schumacher products, ONE SYSTEM BASIC can be used for a period of 42 days rather than the standard 28 days. When the wipe roll runs out, the system is not reprocessed but simply emptied and disposed of. ONE SYSTEM BASIC is designed for single use and rules out any possible contamination caused by reprocessing and reuse. The system is therefore ideal for use in areas with a particularly high infection risk, as well as in all the usual applications within the healthcare sector.

#### Simple Application

The innovative single-use wipe dispenser system is simple, safe and efficient. Its design and handling are based on standard wipe dispensers, but it also offers a number of additional benefits. The opening is specifically designed quick access when removing the first wipe, as well as efficient soaking of the entire roll, which results in a faster preparation. Filling the dispenser is intuitive and convenient for the user. The transparent pouch design means that the fill level can be checked at a glance, making it easy to re-order in good time. The dispenser features a stand-

up pouch specially designed to save space during for both storage and disposal.

#### DESOTEX Quality

The DESOTEX premium wipes in the system are made of a tear-resistant, lint-free non-woven fabric and have been comprehensively evaluated with the recommended disinfectants. ONE SYSTEM BASIC is user-friendly, very economical and effective, ensuring optimal disinfection.

Disinfectant	Standing Time 42 Days <sup>1</sup>	4-Field Test <sup>2</sup>	Use also in Areas with special Risk of Infection <sup>3</sup>
OPTISAL PLUS	•	•	•
BIGUANID FLÄCHE NR	•	•	•
CLEANISEPT	•	•	•
OPTISAL N	•	•	•

Single Unit	Unit	Content	Size	REF
ONE SYSTEM BASIC	4	120 wipes	17,5 x 36 cm	00-915-OSEB120-01

<sup>1</sup> In comparison with other conventional surface disinfectants with a standing time of 28 days and a impregnation time of 30 minutes, the tested VAH-listed surface disinfectants OPTISAL PLUS, BIGUANID FLÄCHE NR, CLEANISEPT and OPTISAL N from Dr. Schumacher achieved a presaturation time of only 15 minutes and an increased standing time of the filled system of 42 days.

<sup>2</sup> tested with all mandatory test organisms in line with EN 16615 (bactericidal/yeastcidal).

<sup>3</sup> in accordance with information from the Association for Applied Hygiene (VAH) Disinfection Commission in cooperation with the "4+4 Working Group": On the use of wipe dispenser systems in areas with special infection risk, Hyg Med 2014; 39 – 9.

# Advantages of

## ONE SYSTEM BASIC



### Simply economical

- Ready for use after just 15 minutes<sup>1</sup> of pre-soaking and up to 42 days<sup>1</sup> standing time
- Compact Flexi-packaging expertly combined with wipe quantity and size for optimized economic performance
- Time-consuming reprocessing no longer necessary thanks to the one-way system

### Simply safe

- Bayonet lock protects against drying and simplifies handling
- Improved opening reduces risk of contamination
- Simple and secure application and documentation – even in the fast-paced clinical routine

### Simply proven

- Dispenser pre-filled with compatibility-tested DESOTEX dry wipes
- Clear instructions show how to use the system
- Flexible packaging with the stability of a traditional dispenser





When used with

OPTISAL PLUS, BIGUANID FLÄCHE NR, CLEANISEPT, OPTISAL N, DESCOSEPT PUR, DESCOSEPT SENSITIVE

## ONE SYSTEM<sup>+</sup> PLUS

### Single use wipe dispenser for filling with disinfectants

- Innovative single use wipe system for especially easy use and disposal
- Pre-filled with DESOTEX non-woven wipes ready for saturation with disinfectants
- Ready for use in 15 minutes<sup>1</sup> – also in areas with special infection risk - up to 42 days<sup>1</sup> standing time

ONE SYSTEM PLUS is an innovative and proven disposable non-woven wipe dispenser system to be used as part of hygiene measures. Combined with suitable disinfectants, medical devices and medical equipment as well as surfaces of all types can be hygienically prepared. ONE SYSTEM PLUS is quick and practical to use. The system is already fitted with a DESOTEX non-woven wipe roll so that users can carry out the required disinfection measure immediately after filling with the disinfectant and allowing to soak for 15 minutes. When used with Dr. Schumacher products, ONE SYSTEM PLUS can be used over a period of 42 days instead of the 28 days usual for other products on the market. Once the roll is finished, the single-use system can be directly disposed of after any residue is removed. ONE SYSTEM PLUS prevents possible contamination resulting from reprocessing and re-use. The system is therefore suitable for use in areas with an especially high risk of infection as well as the usual areas of application in the healthcare sector.

#### Safe and robust

The innovative disposable non-woven wipe dispenser system is simple, safe and efficient. The construction and handling is similar to conventional non-woven wipe dispensers but with a number of additional advantages: The dispenser opening is aligned with the non-woven wipe roll, giving the user quick access when removing the first wipe along with direct saturation of the entire roll and the resulting shortened preparation time. The filling process was designed to be intuitive and practical for the user. There are considerably fewer steps in the process for the user. The transparent design of the system means that the filling level can be checked at a glance, making it easy to plan the supply. The dispenser with its lightweight foldable construction is made of pure polypropylene and can be flattened for disposal without any special requirements.

#### Tested and proven Compatibility

The DESOTEX premium non-woven fabric in the system is a tear-resistant, low-linting non-woven fabric and has been extensively reviewed by experts with the recommended disinfectants. The ONE SYSTEM PLUS ensures optimal implementation of the desired disinfection measures with user-friendly handling, great cost effectiveness and demonstrated safe results.

Disinfectant	Standing Time 42 Days <sup>1</sup>	4-Field Test <sup>2</sup>	Use also in Areas with special Risk of Infection <sup>3</sup>
OPTISAL PLUS	•	•	•
BIGUANID FLÄCHE NR	•	•	•
CLEANISEPT	•	•	•
OPTISAL N	•	•	•
DESCOSEPT PUR	•	•	•
DESCOSEPT SENSITIVE	•	•	•

Single Unit	Unit	Content	Size	REF
ONE SYSTEM PLUS	2	100 wipes	30 x 32 cm	00-915-OSEE100

<sup>1</sup> In comparison with other conventional surface disinfectants with a standing time of 28 days and a impregnation time of 30 minutes, the tested VAH-listed surface disinfectants OPTISAL PLUS, BIGUANID FLÄCHE NR, CLEANISEPT, OPTISAL N and DESCOSEPT SENSITIVE from Dr. Schumacher achieved a presaturation time of only 15 minutes and an increased standing time of the filled system of 42 days.

<sup>2</sup> tested with all mandatory test organisms in line with EN 16615 (bactericidal/yeastocidal).

<sup>3</sup> in accordance with information from the Association for Applied Hygiene (VAH) Disinfectant Commission in cooperation with the "4+4 Working Group": On the use of wipe dispenser systems in areas with special infection risk, Hyg Med 2014; 39 – 9.



## DESCO WIPES Dispenser bucket

- Reusable non-woven wipe dispenser for filling with DESCO WIPES non-woven wipes and saturating with suitable surface disinfectants

DESCO WIPES is a reusable non-woven wipe dispenser system for disinfection and cleaning of medical devices and medical equipment of all types. DESCO WIPES is consist of a reusable non-woven wipe dispenser system and corresponding rolls of non-woven wipes for refilling. It can be used in combination with both ready-to-use rapid disinfectants and ready-to-use application solution from disinfectant concentrates, making it highly flexible. DESCO WIPES is a reusable non-woven wipe dispenser system for disinfection and cleaning of medical devices and medical equipment of all types. DESCO WIPES is consist of a reusable non-woven wipe dispenser system and corresponding rolls of non-woven wipes for refilling. It can be used in combination with both ready-to-use rapid disinfectants and ready-to-use application solution from disinfectant concentrates, making it highly flexible Each refill pack comes with our reprocessing wipes to enable manual hygienic reprocessing before refilling the dispenser.

Single Unit	Unit	Content	Size	REF
dispenser bucket	1	empty	-	00-915-SD001
dispenser bucket	6	empty	-	00-915-SD002
wall holder	1	-	-	00-902-EIM
dispenser bucket small	1	empty	-	00-915-SKD001
dispenser bucket small	6	empty	-	00-915-SKD002
wall holder small	1	-	-	00-902-EIMK

DESCO WIPES				
pack	3	100 wipes	30 x 32 cm	00-915-RD10003-01
pack	6	100 wipes	30 x 32 cm	00-915-RD10006-01
pack	3	50 wipes	30 x 32 cm	00-915-RD5003-01

DESCO WIPES SMALL				
pack	3	70 wipes	25 x 25 cm	00-915-RD7003-01

## ECO WIPES Dispenser bucket

- Reusable non-woven wipe dispenser for filling with ECO WIPES non-woven wipes and saturating with suitable surface disinfectants

ECO WIPES is a reusable non-woven wipe dispenser system for disinfection and cleaning of medical devices and medical equipment of all types. ECO WIPES is consist of a reusable non-woven wipe dispenser system and corresponding rolls of non-woven wipes for refilling. It can be used in combination with both ready-to-use rapid disinfectants and ready-to-use application solution of disinfectant concentrates, making it very flexible. Each refill pack comes with our reprocessing wipes to enable manual hygienic reprocessing before refilling the dispenser.

Single Unit	Unit	Content	Size	REF
dispenser bucket	1	empty	-	00-915-SE001
dispenser bucket	6	empty	-	00-915-SE002
Wandhalter	1	-	-	00-902-EIM

ECO WIPES				
pack	3	100 wipes	30 x 32 cm	00-915-REW10003-01
pack	6	100 wipes	30 x 32 cm	00-915-REW10006-01
pack	3	50 wipes	30 x 32 cm	00-915-REW5003-01





**HAND AND SKIN**

# Decontamination

## **Skin-friendly patient washing**

Dr. Schumacher products for antimicrobial patient washing of skin and hair are effective against bacteria and multi-resistant pathogens such as MRSA and *A. baumannii* thanks to chlorhexidine. Whole body washing with chlorhexidine preparations significantly inhibits the colonization of bacterial pathogens and reduces the rate of sepsis.

Dr. Schumacher products for patient washing are extremely skin-friendly thanks to their mild surfactants and lipid replenishing agents. Available in a wash, wipe and cap application, DECONTAMAN products are ideally formulated for patients with sensitive skin.



	Application Areas			Spectrum of Activity					Product Properties					
	Antimicrobial cleansing	Hygienic hand wash	Antimicrobial hair washing	Bactericidal	Yeasticidal	Effective against Enveloped Viruses	MRSA	MRGN (e.g. Acinetobacter baumannii)	Microwaveable	Alcohol-free	pH skin neutral	Lipid replenishing	Perfume-free	Colorless
DECONTAMAN PRE SOFT	•	•	•	•	•	•	•	•		•	•	•	•	•
DECONTAMAN PRE WIPES	•			•	•		•	•	•	•				•
DECONTAMAN PRE CAP	•		•	•	•		•	•	•	•				•

Please refer to the product information sheet (PIF) for complete information on the spectrum of activity.



## DECONTAMAN PRE SOFT

### Antimicrobial washing lotion

- For presurgical, antimicrobial patient washing and decontamination
- Achieves all relevant effectiveness after 60 s
- Bactericidal, yeasticidal, active against enveloped viruses

DECONTAMAN PRE SOFT is an antimicrobial cleansing lotion to simultaneously clean and decontaminate skin and hands, even in areas with a high load of fat or protein, such as in the food sector e.g. after meal preparation. Suitable for antimicrobial whole-body washing in cases of MRSA contamination or contamination with other multi-resistant Gram-negative bacteria (MRGN) such as Acinetobacter baumannii or vancomycin-resistant enterococci (VRE), especially prior to surgery or during longer periods of bed confinement. Because of the skin-friendly pH and the conditioning properties, DECONTAMAN PRE SOFT has very good skin compatibility suitable for regular use and hygienic hand washing in accordance with VAH directive and EN 1499. The product is free of phenols as well as alcohols and colorants.

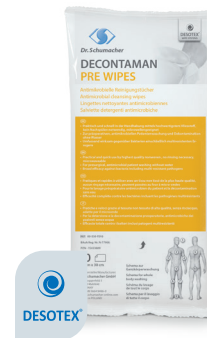
Spectrum of efficacy and contact times			30 s	1 min
Application recommendation for hygienic handwash <sup>1</sup>	EN 1499 / VAH	dirty conditions		•
activity against enveloped viruses	EN 14476			•
bactericidal	EN 13727	dirty conditions	•	
yeasticidal (C. albicans)	EN 13624	dirty conditions		•

#### Composition – 100 g solution contain

2 g chlorhexidine digluconate

1.5 g 2-phenoxyethanol

Single Unit	Unit	Content	REF
round bottle	30	100 ml	00-532-001E
dispenser bottle	20	500 ml	00-532-005E
dispenser bottle	12	1 L	00-532-010E
canister	3	5L	00-532-050E



## DECONTAMAN PRE WIPES

### Antimicrobial cleansing wipes

- For presurgical, antimicrobial patient washing without additional water
- Practical and quick use with highest quality non-woven, no rinsing necessary, microwaveable
- Broad efficacy against bacteria including multi-resistant pathogens

DECONTAMAN PRE WIPES are ready-to-use wipes for gentle, antimicrobial cleansing of the skin. The large washing wipes are made of robust, skin-friendly non-woven fabric and are impregnated with a mild disinfectant solution containing 2% chlorhexidine. It is not necessary to rinse the skin after cleansing with DECONTAMAN PRE WIPES. Thanks to the film of active ingredient that remains on the skin as a result, 24-hour residual action against bacteria is achieved. DECONTAMAN PRE WIPES are therefore highly suitable for time-saving yet thorough cleansing of skin colonised with MRE and can also be used as part of preoperative patient preparation.

Spectrum of efficacy and contact times			1 min	3 min	5 min
Application recommendation for antimicrobial patient washing <sup>1</sup>	EN 1499 (modified)	dirty conditions			•
bactericidal	EN 13727	clean conditions	•		
bactericidal	EN 13727	dirty conditions			•
yeasticidal (C. albicans)	EN 13624	clean conditions		•	
yeasticidal (C. albicans)	EN 13624	dirty conditions		•	

#### Composition – 100 g solution contain

2 g chlorhexidine digluconate

Single Unit	Unit	Content	Size	REF
flowpack	24	10 wipes	20 x 30 cm	00-530-T010E

<sup>1</sup> including phase 2 step 1 and phase 2 step 2 tests (quantitative suspension tests and quantitative carrier tests)  
Use disinfectants safely. Always read the label and product information before use.





## DECONTAMAN PRE CAP

### Antimicrobial cleansing cap

- **Practical and quick use by demand based cap application, no rinsing necessary, microwaveable**
- **Antimicrobial hair washing without additional water**
- **Broad efficacy against bacteria including multi-resistant pathogens**

DECONTAMAN PRE CAP is a ready-to-use washing cap for the antimicrobial cleansing of hair and scalp. DECONTAMAN PRE CAP allows a time-saving and thorough cleansing, especially for immobile patients, without additional rinsing with water. The antimicrobial efficacy also allows the use together with a whole body washing in case of colonisation with multidrug-resistant bacteria. The cap is made of a very durable, latex-free material and can be heated if necessary.

Spectrum of efficacy and contact times			1 min	3 min	5 min
Application recommendation for disinfecting hair wash <sup>1</sup>	EN 1499 (modified)	dirty conditions			•
bactericidal	EN 13727	clean conditions	•		
bactericidal	EN 13727	dirty conditions			•
yeastical (C. albicans)	EN 13624	clean conditions		•	
yeastical (C. albicans)	EN 13624	dirty conditions		•	

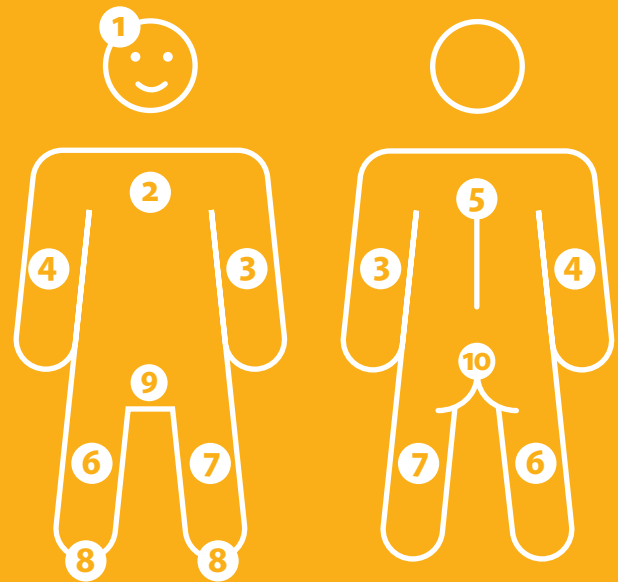
  

Composition – 100 g solution contain			
2 g Chlorhexidine digluconate			

Single Unit	Unit	Content	REF
cap	30	1 piece	00-530-H001E

## Full body washing sequence



### 1 Face

Cleanse face completely. Eyes must stay closed during the entire process. Use wipes carefully in the area around the eyes and avoid letting liquid run into eyes. When cleansing the ears be careful to keep liquid from running into ears.

### 2 Chest/stomach

Remove clothing from upper body and wash torso from the neck down to the belly button. Keep lower body warm.

### 3 4 Arms

Starting at the fingertips wash hands, arms and especially the armpits.

### 5 Back

Sit up or turn patient/resident to one side. From the outside with an inward motion wash neck and back. Dress patient/resident and turn them on their back.

### 6 7 Legs

Undress the lower body. Wash legs in an upward motion up to the thighs in the direction of the heart.

### 8 Feet

Wash feet starting with the toes. Due to hygienic reasons, wash genital area and buttocks last.

### 9 Genital area

Perform intimate care.

### 10 Buttocks

Turn patient/resident to one side and wash buttocks and anal region.

### ! Important:

When performing decontamination, towels should be placed under the patient so that the unwashed side of the body does not come into contact with clean linens. Avoid contact with mucous membranes!

HAND AND SKIN

# Hand Disinfection



## **Versatile and reliable**

The large variety of rub-in preparations in Dr. Schumacher's ASEPTOMAN Family allows us to meet all requirements for various hand disinfection needs.

Whether formulated with ethanol or isopropanol, Dr. Schumacher products are proven to be effective. ASEPTOMAN MED offers efficacy against all enveloped viruses as well as noro-, adeno- and rotaviruses with a low alcohol content, making it ideal for both routine hand disinfection, as well as in cases of norovirus outbreaks.



	Application Areas			Active Ingredients		Spectrum of Activity			Product Properties		
	Hyg. hand disinfection in accordance with EN 1500	Surg. hand disinfection in accordance with EN 12791	Skin disinfection	Ethanol	2-Propanol	Active against enveloped Viruses	Noro-, Rota- & Adenoviruses	Virucidal	Lipid replenishing	Perfume-free	Colorless
<b>ASEPTOMAN®</b>	•	•			•	•			•		•
<b>ASEPTOMAN® MED</b>	•	•		•		•	•		•	•	•
<b>ASEPTOMAN® FORTE</b>	•	•		•		•	•	•	•	•	•
<b>ASEPTOMAN® GEL</b>	•	•		•		•	•	•	•	•	•

Please refer to the product information sheet (PIF) for complete information on the spectrum of activity.

**PREVENT**

## ASEPTOMAN

### Alcoholic hand disinfectant

- Bactericidal, tuberculocidal, yeasticidal
- Effective against all enveloped viruses
- Contains emollients for skin care

ASEPTOMAN is an alcoholic hand disinfectant to be rubbed into the skin. ASEPTOMAN is exceptionally kind to the skin. Furthermore, ASEPTOMAN contains high quality emollients for skin care which protects the skin against dehydration



#### Spectrum of efficacy and contact times

	<b>PREVENT</b>	<b>PRESERVE</b>	<b>PROTECT</b>
Application recommendation for hygienic hand disinfection	30 s		
Application recommendation for surgical hand disinfection	1,5 min		

#### Composition – 100 g solution contain

63.14 g (70 % V/V) 2-Propanol.

Single Unit	Unit	Content	REF
pocket-size-bottle	20	150 ml	00-403-0015E
dispenser bottle	20	500 ml	00-403-005E
dispenser bottle	12	1 L	00-403-010E



# ASEPTOMAN® MED

## Alcoholic hand disinfectant



- Limited spectrum virucidal activity
- Effective against norovirus within 30 s
- Fast acting and highly effective, outstanding skin compatibility

Alcoholic hand disinfectant to be rubbed into the skin. ASEPTOMAN MED is especially gentle to the skin due to its low alcohol content, yet it still has a broad efficacy spectrum and is therefore the ideal product for the daily routine. ASEPTOMAN MED is noro-, rota- and adenovirus effective within the requirements of hygienic hand disinfection. ASEPTOMAN MED fulfils the requirements for hand disinfection during noro-, rota- and adenovirus outbreaks. It is perfume-free and free from cumulative long-term agents, which can accumulate on the skin and cause irritations. Additionally, ASEPTOMAN MED contains valuable re-fattening and caring ingredients to prevent drying out of the skin.

### Spectrum of efficacy and contact times

	PREVENT	PRESERVE	PROTECT
Application recommendation for hygienic hand disinfection	30 s	30 s	
Application recommendation for surgical hand disinfection	2 min	2 min	

### Composition – 100 g solution contain

65 g (72% V/V) Ethanol

Single Unit	Unit	Content	REF
pocket-size-bottle	20	150 ml	00-457OP-0015E
dispenser bottle	20	500 ml	00-457OP-005E
dispenser bottle	12	1 L	00-457OP-010E

VAH – listed in the VAH list for hygienic hand disinfection with a contact time of 30 sec

Prevent – Bactericidal, yeasticidal, all enveloped viruses Preserve – Bactericidal, yeasticidal, all enveloped viruses, Noro-, Rota- und Adenoviruses, tuberculocidal Protect – Bactericidal, easticidal, fully virucidal, tuberculocidal, sporicidal.

Use disinfectants safely. Always read the label and product information before use.

**PROTECT****PROTECT**

## ASEPTOMAN® FORTE

### Alcoholic hand disinfectant

- **Virucidal in 30 seconds**
- **Perfume-free, especially skin-caring with glycerine and regreaser**
- **Surgical hand disinfection in 1.5 minutes**

ASEPTOMAN FORTE is a virucidal, ethanolic hand disinfectant. ASEPTOMAN FORTE achieves a comprehensive spectrum of activity, while showing a very good skin compatibility. Limited spectrum of virucidal activity and virucidal (according to EN 14476) within 30 s. ASEPTOMAN FORTE has been proven to increase skin hydration as well as softens and smoothes the skin thanks to a proven skin care system and is particularly skin-friendly.

## ASEPTOMAN® GEL

### Alcoholic hand disinfectant

- **Bactericidal, tuberculocidal, yeasticidal, virucidal**
- **Effective against norovirus**
- **Perfume-free, contains emollients for skin care**

Alcoholic hand disinfectant gel to be rubbed into the skin. Precise dosing and easier, non-drip application through a user friendly gel formulation. ASEPTOMAN GEL is free from cumulative long-term acting ingredients that might have an irritating or sensitising effect on the skin. Compatible with all washing lotions. Free from aldehydes, phenols and quaternary ammonium compounds.

#### Spectrum of efficacy and contact times

	<b>PREVENT</b>	<b>PRESERVE</b>	<b>PROTECT</b>
Application recommendation for hygienic hand disinfection	30 s	30 s	30 s
Application recommendation for surgical hand disinfection	1,5 min	1,5 min	1,5 min

#### Composition – 100 g solution contain

85 g (89% V/V) Ethanol

#### Single Unit

Single Unit	Unit	Content	REF
pocket-size-bottle	20	150 ml	00-485OP-0015E
dispenser bottle	20	500 ml	00-485OP-005E
dispenser bottle	12	1 L	00-485OP-010E

#### Spectrum of efficacy and contact times

	<b>PREVENT</b>	<b>PRESERVE</b>	<b>PROTECT</b>
Application recommendation for hygienic hand disinfection	30 s	1 min	1 min
Application recommendation for surgical hand disinfection	1,5 min	1,5 min	1,5 min

#### Composition – 100 g solution contain

80,8 g (85% V/V) Ethanol

#### Single Unit

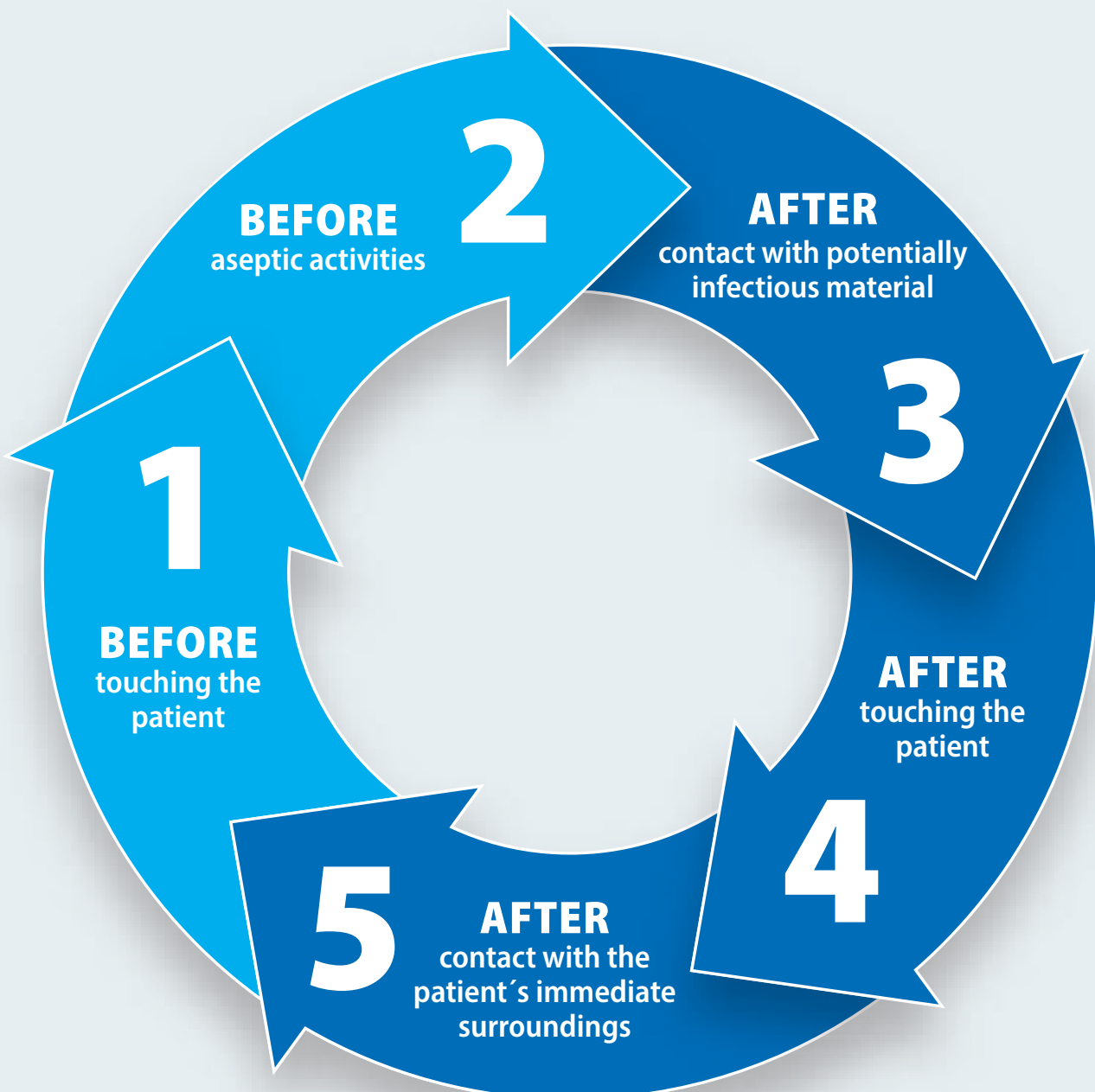
Single Unit	Unit	Content	REF
pocket-size-bottle	20	150 ml	00-409-0015E
dispenser bottle	20	500 ml	00-409-005E
dispenser bottle	12	1 L	00-409-010E

# 5 Moments of Hand Hygiene

The World Health Organization (WHO) identified “5 Moments of Hand Hygiene” that are still considered today as the ultimate model for hand hygiene protocols. By accounting for every instance microbial transmission may occur and framing them to five fundamental points, this set of practices is both extensive and practical. These moments highlight when healthcare professionals should disinfect their hands.

## Why are the 5 moments of hand hygiene important?

This guide was created with the knowledge that proper hand hygiene is the single most effective way to prevent the spread of infection, specifically, Healthcare-Associated Infections (HAIs). HAIs not only threaten patient and staff safety, but they can cost hospitals tens of thousands of dollars per case. Most HAIs are avoidable, but they still occur due to lack of hand hygiene compliance—leaving the respective hospitals to pay for the consequences. HAIs are so plentiful that the Centers for Medicaid and Medicare (CMS) created an HAC reduction program.





HAND AND SKIN

# Skin Disinfection

## **Preventive reduction of the skin flora**

Dr. Schumacher's preparations for skin antiseptics prevent the transmission of pathogens into deeper layers of tissue through punctures, injections and surgical interventions, achieving the greatest possible reduction in skin flora.

Available in both colored and non-colored formulations, Dr. Schumacher's skin disinfectants are tested according to EN as well as German VAH methods. They come ready to use and are suitable for all skin types.





	Application Areas				Active Ingredients		Spectrum of Activity		Product Properties	
	Skin disinfection	Application recommendation for skin antiseptics before injections and puncturing of skin with few sebaceous glands	Application recommendation for skin antiseptics before puncture of joints, body cavities and hollow organs as well as surgical procedures	Recommended for skin antiseptics on skin rich in sebaceous glands	2-Propanol	CHG	Effective against Enveloped Viruses	Bactericidal, yeasticidal, tuberculocidal	Perfume-free	Colorless
ASEPTODERM® 2 % CHG	•	•	•	•	•	•	•	•	•	•
ASEPTODERM® 2 % CHG COLOURED	•	•	•	•	•	•	•	•	•	
ASEPTODERM®	•	•	•	•	•		•	•		•





## ASEPTODERM®

### Alcoholic skin disinfectant

- Bactericidal, yeasticidal, tuberculocidal
- Active against all enveloped viruses
- Dye-free

ASEPTODERM is an alcoholic skin disinfectant for spraying or swabbing of skin. ASEPTODERM is free from persistent long-term acting ingredients that might have an irritating or sensitising effect on the skin. Thus it is exceptionally kind to the skin.

#### Spectrum of Efficacy and Contact Times

##### Skin Disinfection

active against all enveloped viruses	RKI / DVV <sup>1</sup>	15 s	
skin disinfection	EN 12791		1.5 min

##### Additional EN Test Results

tuberculocidal (M. terrae)	EN 14348		30 s
bactericidal	EN 13727		15 s
yeasticidal (Candida albicans)	EN 13624		15 s

#### Composition – 100 g solution contain

63,14 g 2-Propanol

Perfume

Single Unit	Unit	Content	REF
spray bottle	20	250 ml	00-501-0025E
dispenser bottle	10	1 L	00-501-010E



## ASEPTODERM 2 % CHG

### Alcoholic skin disinfectant

- Ready-to-use colourless skin disinfectant
- Based on 70 % alcohol and 2 % chlorhexidine
- Perfume-free

ASEPTODERM 2 % CHG is a ready-to-use, alcohol-based skin disinfectant for swabbing or spraying of the skin. It is well-suited for skin disinfection prior to injections, incisions, punctures, drawing blood, catheter insertions, minor surgical interventions and minor accidental injuries and can also be used for pre- and post-surgical disinfection. ASEPTODERM 2 % CHG is extremely gentle to the skin and free from aldehydes, phenols and quaternary ammonium compounds.

#### Spectrum of Efficacy and Contact Times

##### Skin Disinfection

skin disinfection with 3-hour long-term effect	EN 12791	15 s	3 min
active against all enveloped viruses	EN 14476		15 s

##### Additional EN Test Results

bactericidal	EN 13727		1 min
yeasticidal (Candida albicans)	EN 13624		1 min

#### Composition – 100 g solution contain

63,1 g 2-Propanol (70% Isopropanol v/v)

2,26 g Chlorhexidine Digluconate (CHG)

Single Unit	Unit	Content	REF
spray bottle	20	250 ml	00-520-0025E
bottle	10	1 L	00-520-010E

<sup>1</sup> incl. HBV/HIV/HCV

Use disinfectants safely. Always read the label and product information before use.



## ASEPTODERM 2 % CHG COLOURED

### Coloured alcoholic skin disinfectant

- Ready-to-use skin disinfectant
- Perfume free, red coloured
- Based on 70 % alcohol and 2 % chlorhexidine

ASEPTODERM 2% CHG coloured is a ready-to-use, alcohol-based skin disinfectant. The red coloring helps to mark the area on the skin that has been disinfected. It is primarily used as a pre- and post-operative skin disinfectant and can also be used for skin disinfection prior to injections, incisions, punctures, blood withdrawals, catheter insertions, minor surgical interventions and minor accidental injuries. ASEPTODERM 2% CHG coloured is gentle to the skin and free from aldehydes, phenols and quaternary ammonium compounds. Available also in a spray bottle.

#### Spectrum of Efficacy and Contact Times

##### Skin Disinfection

skin disinfection with 3-hour long-term effect	EN 12791	15 s	3 min
active against all enveloped viruses	EN 14476	15 s	

##### Additional EN Test Results

bactericidal	EN 13727	1 min
yeasticidal (Candida albicans)	EN 13624	1 min

##### Composition – 100 g solution contain

63,1 g 2-Propanol (70% Isopropanol v/v)

2,26 g Chlorhexidine Digluconate (CHG)

Contains colorants (E 122 / Azorubine)

Single Unit	Unit	Content	REF
spray bottle	20	250 ml	00-520C-0025E
bottle	10	1 L	00-520C-010E

Use disinfectants safely. Always read the label and product information before use.

## WHO Recommendation

The new WHO guidelines on prevention of surgical site infections recommend chlorhexidine-alcohol rather than aqueous povidone-iodine or povidone-iodine with alcohol for surgical skin preparation. WHO's recommendation now effectively no longer supports use of povidoneiodine-alcohol for surgical site preparation.



## HAND AND SKIN

# Cleansing, Care and Protection



### Cleansing and care for every skin type

With its newly developed DESCOLIND series, Dr. Schumacher has set a new standard for hand cleansing, care and protection. With modern formulas, the DESCOLIND COMFORT, PURE and EXPERT series are especially tailored to the need of different skin types conditions. Users can easily and safely select the product series that suits them.

With changing skin conditions in the course of working life, users can switch seamlessly between the different series. The mutually compatible products of the different series can also be combined if desired.



	Contents						Product Properties							Product Properties				
	Humectants	Lipid replenishers and/or botanical oils	Skin-regenerating care agents	Silicone-free	Colorless	Perfume-free	Type of emulsion	pH skin neutral	Cream	Lotion	Suitable for dispensers	Cooling effect	Wipe size in cm	Hypoallergenic formulation	Normal skin	Dry skin	Very dry skin	Sensitive skin
DESODERM CARE WIPES	•	•	•	•	•	•							18 x 20	•	•	•	•	•
BABY WIPES SENSITIVE	•		•	•	•	•							18 x 20	•	•	•	•	•
DESCOMED ÖLBAD		•	•	•	•									•	•	•		
DESCO VITAL		•		•	•			•	•	•	•			•	•	•		
DESCOLIND COMFORT WASH	•	•	•					•			•				•			
DESCOLIND COMFORT LIGHT CREAM	•	•	•	•	•		O/W	•		•	•				•			
DESCOLIND PURE WASH	•	•	•		•	•		•			•				•			•
DESCOLIND PURE LIGHT CREAM	•	•	•	•	•	•	O/W	•		•	•							•
DESCOLIND PURE INTENSIVE CREAM	•	•	•	•	•	•	W/O	•	•		•							•
DESCOLIND EXPERT WASH	•	•			•	•		•			•			•		•	•	•
DESCOLIND EXPERT LIGHT CREAM	•	•	•	•	•	•	O/W	•	•		•			•		•	•	•
DESCOLIND EXPERT INTENSIVE CREAM	•	•		•	•	•	W/O	•	•					•		•	•	•
DESCOLIND EXPERT PROTECT CREAM	•	•			•	•	O/W	•		•	•			•		•	•	•



O/W = oil-in-water emulsion – W/O = water-in-oil emulsion

New in  
2023



## DESCOLIND CARE WIPES

Nourishing cleansing wipes  
for gentle patient washing

- With panthenol and allantoin
- Practical and quick application
- May be warmed before use

DESCOLIND CARE WIPES are ready-to-use wipes for cleansing and care of the skin. They provide a time-saving, thorough cleaning of immobile patients. The package is designed for a full body wash and rinsing is not required after the application. Due to the presence of very mild, plant-based surfactants and care ingredients such as allantoin and panthenol, DESCOLIND CARE WIPES provide not only gentle cleansing, but also nourishing skin caring with a pleasant scent. The large wash-cloths are made of durable, skin-friendly non-woven material and can be warmed prior to use for patient comfort.

## Convenient Alternative for Personal Hygiene

Traditionally, soap and water have been used for personal hygiene, but in recent years soap and water have increasingly been replaced by the use of disposable wet wipes. Disposable wet wipes are considered a convenient alternative and preferred in certain circumstances, for example, when a patient has pain or diarrhea.



Single Unit	Unit	Content	Size	REF
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Package	24	10 Wipes	20 x 30 cm	00-604DW1-To10-01
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## DESODERM CARE WIPES

Caring cleansing wipes for sensitive skin

- **Cleansing and caring**
- **Extra soft fleece**
- **Alcohol- and perfume-free**

DESODERM CARE WIPES are intended for gentle cleansing and care of especially sensitive skin. DESODERM CARE WIPES are impregnated with a mild plant-based surfactant and care agents such as aloe vera, allantoin and glycerine. These ingredients mean that DESODERM CARE WIPES not only have a cleansing effect, but also a caring and soothing effect on the skin. The wipes are very soft and pleasant on the skin, enabling pleasant cleansing.



## BABY WIPES SENSITIVE

Cleansing wipes for mild babycare

- **With aloe vera and allantoin**
- **Free of perfume and alcohol**
- **Hypoallergenic formulation**

CARE ZONE BABY WIPES SENSITIVE are suited for gentle cleansing and care of the particularly sensitive baby skin. The soaking solution of CARE ZONE BABY WIPES SENSITIVE contains a mild cleansing surfactant on a herbal basis and skin-soothing ingredients such as aloe vera and allantoin. The formulation is ÖKO-TEST compliant, free of perfume and therefore approved by the German Allergy and Asthma Association e. V. (DAAB). The wipes are very soft and allows a gentle cleansing. The wipes can be removed individually from the practical packaging with its re-sealable cover.



Single Unit	Unit	Content	Size	REF
Package	12	80 Wipes	18 x 20 cm	00-639NK-To80

Single Unit	Unit	Content	Size	REF
Package	12	80 Wipes	18 x 20 cm	01-639NK-To80



## DESCOMED ÖLBAD

### Medical oil bath

- Intensive care of dry and scaly skin
- With aloe vera, jojoba oil, panthenol and vitamin E
- Dermatologically tested

DESCOMED ÖLBAD is a high-quality bath additive containing valuable nourishing oils such as rapeseed oil and jojoba oil that leave a pleasant soothing film on the skin. DESCOMED ÖLBAD is therefore a suitable bath additive for dry, irritated and scaly skin, for example, for older patients or patients with dry eczema.



## DESCO VITAL

### Vitalising gel for application on skin

- Pleasantly cooling, relaxing and vitalising
- Contains essences of medicinal herbs from spruce needles, eucalyptus, juniper and thyme
- With emollients

DESCO VITAL is a hydro gel with essential oils derived from spruce needles, eucalyptus, juniper berries and thyme with the aim of revitalizing the skin. DESCO VITAL has a refreshingly cool, relaxing and activating effect after strenuous physical activity. It's especially suited for use in sports and relaxation massage as well as in nursing care, but also in all other areas where a refreshingly relaxing and vitalizing effect is desired. DESCO VITAL has a refreshing, fresh scent and has good skin compatibility, as it is based on pure ethanol and has nourishing properties.

Single Unit	Unit	Content	REF
bottle	6	500 ml	00-609-005-01

Single Unit	Unit	Content	REF
dispenser bottle	20	500 ml	00-605-005





Normal skin

## DESCOLIND COMFORT WASH

Fragranced cleansing lotion

- With fresh scent
- For normal skin
- Mildly cleanses with allantoin, refatting agents and glycerine

DESCOLIND COMFORT WASH is a pH skin-neutral cleansing lotion for the mild cleansing of normal skin and is characterized above all by its pleasant, fresh fragrance. DESCOLIND COMFORT WASH contains allantoin, refatting agents and glycerin, which counteract drying of the skin due to hand washing. The blue coloring of the product makes it easy to check the fill level.



Normal skin

## DESCOLIND COMFORT LIGHT CREAM

Fragranced nourishing cream

- O/W emulsion for normal skin
- Absorbs particularly quickly into the skin without being greasy
- pH skin neutral. With refatting agents and allantoin

DESCOLIND COMFORT LIGHT CREAM is a pH skin-neutral and high-yield oil-in-water (O/W) emulsion for normal skin. DESCOLIND COMFORT LIGHT CREAM cares for hands following activities that stress skin, such as long periods of wearing gloves, washing hands, and tasks involving contact with moisture. As an O/W emulsion DESCOLIND COMFORT LIGHT CREAM is absorbed particularly quickly, without greasiness, and is thus ideal for medical staff: despite frequent use, it does not interfere with routine work and the hands remain noticeably cared for. The light and nourishing formulation with refatting agents and moisturizing ingredients as well as allantoin ensures that skin feels soft and smooth. The easy-to-apply and fast-absorbing skincare lotion is also suitable for body care and because of its fragrance, it leaves behind an additionally pleasant, nourished feeling.



Single Unit	Unit	Content	REF
dispenser bottle	20	500 ml	00-607-005-01
dispenser bottle	12	1 L	00-607-010-01
canister	3	5 L	00-607-050-01

Single Unit	Unit	Content	REF
tube	12	100 ml	00-602-001-03
dispenser bottle	20	500 ml	00-602-005-03



Sensitive skin

## DESCOLIND PURE WASH

Fragrance-free cleansing lotion

- Fragrance- and colorant-free for sensitive skin
- With allantoin, refatting agents and glycerin
- Mild cleansing and pH skin neutral

DESCOLIND PURE WASH is a pH skin-neutral wash lotion for the regular cleansing of sensitive hands and skin. The formulation with refatting agents and glycerin reduces drying of the skin during washing. The creamy, delicate DESCOLIND PURE WASH wash lotion cleans thoroughly and is economical to use. In addition, DESCOLIND PURE WASH is free of fragrance and colorants and is therefore suitable for use on intact and sensitive skin.

Single Unit	Unit	Content	REF
dispenser bottle	20	500 ml	00-631OP-005-01
dispenser bottle	12	1 L	00-631OP-010-01
canister	3	5 L	00-631OP-050-01



Sensitive skin

## DESCOLIND PURE LIGHT CREAM

Fragrance-free skin care cream

- O/W emulsion for sensitive skin
- With refatting agent and allantoin
- Absorbs particularly quickly into the skin without being greasy

DESCOLIND PURE LIGHT CREAM is a dye- and fragrance-free, high-yield oil-in-water (O/W) emulsion for sensitive skin. In accordance with the requirements of the Employers' Liability Insurance Association for Medical Services and Welfare Work (BGW), our skin caring formulation of DESCOLIND PURE LIGHT CREAM does not contain any fragrance. DESCOLIND PURE LIGHT CREAM cares for hands following activities that stress skin, such as long periods of wearing gloves, washing hands, and tasks involving contact with moisture. As an O/W emulsion DESCOLIND PURE LIGHT CREAM is absorbed particularly quickly, without greasiness, and is thus ideal for medical staff: despite frequent use, it does not interfere with routine work and the hands remain noticeably cared for. The light and skin caring formulation with refatting and moisturizing ingredients as well as allantoin ensures that skin feels soft and smooth. The easy-to-apply and fast-absorbing skincare lotion is also suitable for body care.

Single Unit	Unit	Content	REF
tube	12	100 ml	00-602DS-001
dispenser bottle	20	500 ml	00-602DS-005



Sensitive skin  
Dry skin

## DESCOLIND PURE INTENSIVE CREAM

Fragrance-free intensive  
nourishing cream

- Intensive skincare with panthenol, sunflower- and almond oil
- Contains glycerin as a humectant
- Fragrance-free W/O emulsion

DESCOLIND PURE INTENSIVE CREAM is a water-in-oil (W/O) intensive nourishing cream that richly nourishes sensitive and dry skin with refatting ingredients as well as sunflower and almond oil. In accordance with the requirements of the ,German Employers' Liability Insurance Association for Medical Services and Welfare Work (BGW); our intensive nourishing formulation of DESCOLIND PURE LIGHT CREAM does not contain any fragrance. Despite its rich formulation, DESCOLIND PURE INTENSIVE CREAM is quickly absorbed into the skin and is therefore ideal for caring for hands after activities that stress the skin, such as wearing gloves for long periods, washing hands and activities that involve getting the hands wet.

## Skin care for happy, healthy hands

Damaged and stressed skin is a wide spread problem for medical and care professionals as well as for the cleaning staff. In order to reduce the risk of skin irritation from regular washing and disinfection, regular use of good quality hand lotion is crucial.

Yet this important step is still underused by most staff. According to a Dutch study from 2018, 70 % of employees, don't apply lotion to their hands before work or during their shift. Providing staff with skin type-appropriate care creams, training courses and regular reminders can help alleviate skin related problems like redness and flaking.



Single Unit	Unit	Content	REF
tube	12	100 ml	00-6221S-001
dispenser bottle	20	500 ml	00-6221S-005



Allergy-prone skin

## DESCOLIND EXPERT WASH

Hypoallergenic cleansing lotion

- Hypoallergenic cleansing lotion for allergy-prone skin
- Colorant and fragrance-free
- With nourishing glycerin and almond oil

DESCOLIND EXPERT WASH is a colorant- and fragrance-free skincare wash lotion for gentle cleansing of allergy-prone hands and skin. The mild wash lotion is based on high-quality ingredients such as glycerin and almond oil as well as particularly skin-friendly cleansing surfactants. The high-quality ingredients in DESCOLIND EXPERT WASH counteract the negative effects of hand washing.



Allergy-prone skin

## DESCOLIND EXPERT LIGHT CREAM

Hypoallergenic nourishing cream

- Colorant and fragrance-free O/W emulsion for allergy-prone skin
- With shea butter, almond oil and vitamin E
- Absorbs quickly

DESCOLIND EXPERT LIGHT CREAM is a colorant- and fragrance-free O/W emulsion for the care of sensitive and allergy-prone skin. Particularly high-quality ingredients ensure a smooth and supple skin feeling. DESCOLIND EXPERT LIGHT CREAM contains natural, conditioning substances such as almond oil and shea butter. DESCOLIND EXPERT LIGHT CREAM is fragrance-free; therefore, the O/W emulsion is particularly suited for use by atopic persons and persons with allergies.

Single Unit	Unit	Content	REF
dispenser bottle	20	500 ml	00-614-005-03
dispenser bottle	12	1 L	00-614-010-03
canister	3	5 L	00-614-050-03

Single Unit	Unit	Content	REF
tube	12	100 ml	00-620HC-001-01
dispenser bottle	20	500 ml	00-620HC-005-01



Allergy-prone skin

## DESCOLIND EXPERT INTENSIVE CREAM

Hypoallergenic intensively nourishing cream

- Colorant and fragrance-free W/O emulsion for allergy-prone skin
- Skincare with vitamin E, glycerin and beeswax
- Protects the skin from water-soluble substances

DESCOLIND EXPERT INTENSIVE CREAM was specially developed for intensive skin-care for allergy-prone skin and for skin protection during everyday work. As a colorant- and fragrance-free W/O emulsion, DESCOLIND EXPERT INTENSIVE CREAM is easy to apply and absorbs quickly, leaving behind a soft, non-greasy protective film. DESCOLIND EXPERT INTENSIVE CREAM is suitable for daily use as well as prior to activities that stresses the skin, to protect hands during wet work and when wearing gloves. In addition to the protective function, DESCOLIND EXPERT INTENSIVE CREAM nourishes the skin with conditioning and moisturizing ingredients as well as vitamin E. Contains 15% lipids.



Allergy-prone skin

## DESCOLIND EXPERT PROTECT CREAM

Hypoallergenic hand protection cream

- Colorant and fragrance-free O/W emulsion for allergy-prone skin
- Protects the skin from water-soluble substances. Protective effect confirmed by test methods (in accordance with TRGS 401/ABD)
- With glycerin and lipids as well as a natural deodorizing complex with witch hazel

DESCOLIND EXPERT PROTECT CREAM was specially developed to protect sensitive and allergy-prone hands during daily work. The oil-in-water protective skin cream is extremely easy to apply and absorbs quickly into the skin. DESCOLIND EXPERT PROTECT CREAM leaves a smooth and well-groomed skin. DESCOLIND EXPERT PROTECT CREAM is suitable for daily use prior to activities that stress skin, to protect the hands during wet work. Because of a natural deodorant complex with witch hazel and without aluminum salts, the use of DESCOLIND EXPERT PROTECT CREAM is recommended in particular to protect hands when wearing gloves for long periods of time.

The protective effect of DESCOLIND EXPERT PROTECT CREAM with respect to water-soluble substances (surfactants and alkalis) was proven on trial persons according to the latest test methods. By additionally avoiding the use of fragrance, DESCOLIND EXPERT PROTECT CREAM meets the requirements of the German employer's liability insurance association, the TRGS 401, as well as the AWMF (Association of the Scientific Medical Societies in Germany) guideline for hand hygiene. It is also suitable for use in wall dispensers. For hygienically safe use of the product in a wall dispenser, a small amount of a well-tolerated preservative was added. In addition to its protective effect, DESCOLIND EXPERT PROTECT CREAM contains conditioning lipids as well as glycerin contributing to its nourishing properties.



Single Unit	Unit	Content	REF
tube	12	100 ml	00-622OP-001-01

Single Unit	Unit	Content	REF
tube	12	100 ml	00-623-001-01
dispenser bottle	20	500 ml	00-623-005

## INSTRUMENTS

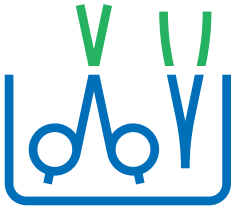
# Manual Reprocessing

### **Powerful and user-friendly**

Manual cleaning and disinfection of medical instruments is dependent on rapid disinfection with a broad spectrum of efficacy and powerful cleaning performance. The products from Dr. Schumacher are user-friendly and offer good material compatibility. Additionally, we give great importance to environmental safety and compatibility during product development.

Dr. Schumacher instrument cleaners and disinfectants remove impurities of all kinds safely and effectively and without protein fixation. Our new disinfectant cleaner, PERFEKTAN ENZYME uses a unique blend of 4 enzymes and surfactants to offer effective pre-cleaning of instruments with pleasant scent.





	Application										Area of use	Active ingredient				Special characteristics				Spectrum of activity <sup>3</sup>				Form	
	Surgical instruments	Rigid endoscopes	Flexible endoscopes	TEE probes	Ultrasonic bath	Cleaning	Disinfection	Final virucidal disinfection <sup>1</sup>	QAV	Alkylamines	Glutaraldehyde	Enzymes	Peracetic acid	Low odor	Material friendly	Corrosion protection	pH neutral	Fungicidal	tuberculocidal	Sporicidal	activity against enveloped viruses	Virucidal	Concentrate	Ready-to-use	
PLURAZYME EXTRA <sup>2</sup>	•	•	•		•	•						•		•	•		•						•		
MANUSHIELD CLEANER <sup>2</sup>	•	•	•		•	•									•	•	•	•					•		
ORANGE SOLVENT <sup>2</sup>	•					•																		•	
PERFEKTAN® ENZYME	•	•	•		•	•	•	•			•			•	•		•				•		•		
PERFEKTAN® NEU	•	•	•		•	•	•		•					•	•	•		•			•		•		
PERFEKTAN® TB	•	•			•	•	•	•						•	•	•					•		•		
PERFEKTAN® ENDO	•	•	•		•	•	•	•						•	•	•					•		•		
PERFEKTAN® ACTIVE <sup>1</sup>	•	•	•	•			•	•					•	•	•	•		•	•	•		•	•		
DESCOTON EXTRA <sup>1</sup>	•	•	•				•	•		•					•	•					•		•		

<sup>1</sup> Fully virucidal disinfectants for final instrument disinfection – without subsequent thermal sterilization  
<sup>2</sup> Cleaners without disinfecting properties are not included in the Dr. Schumacher hygiene levels  
<sup>3</sup> Always includes bactericidal and yeasticidal (*C. albicans*) efficacies





## PLURAZYME EXTRA

Multi-enzymatic cleaner for reprocessing surgical instruments and endoscopes

- Active cleaning & new fragrance facilitate reprocessing
- Value preservation of the instruments through neutral pH and coordinated cleaning complex
- Very good non-fixing cleaning – ideal for pre-cleaning

PLURAZYME EXTRA is the ideal cleaning concentrate for the manual reprocessing of a variety of medical devices. The high material compatibility enables the cleaning of surgical instruments, rigid and also flexible endoscopes. The fragrance and excellent cleaning power ensure pleasant use, whether in an immersion bath or ultrasound bath. The active formula of 3 enzymes and ionic surfactants effectively penetrates a wide range of organic contaminants from coagulated blood to mucus to fat – without fixing. The high level of compatibility with other cleaners and disinfectants ensures that PLURAZYME EXTRA can be easily and flexibly integrated into your processes.

Application and dosage recommendation for cleaning			
Depending on the degree of pollution	0,4 – 2 % (4 ml/L – 20 ml/L)		max. 40 °C mind. 5 min
Recommendation for ultrasonic baths	0,25 % (2,5 ml/L)		max. 40 °C mind. 5 min
Composition – 100 g solution contain			
5 – 15 % non-ionic surfactants			
Enzyme			
Single Unit	Unit	Content	REF
dispenser bottle	12	1 L	00-138-010E
canister	3	5 L	00-138-050E



## MANUSHIELD® CLEANER

Liquid detergent cleaner for instruments and endoscopes

- pH-neutral and gentle to materials
- Good cleaning strength and easy to integrate
- Fragrance-free

MANUSHIELD CLEANER is a concentrate for the thorough cleaning of flexible and rigid endoscopes as well as surgical and dental/medical instruments. As a pH-neutral and material-friendly cleaning agent, MANUSHIELD CLEANER is also perfect for cleaning flexible endoscopes. The fragrance-free formulation is surfactant-based, extremely efficient, and can be used at all water hardness levels and in ultrasonic baths. In addition, MANUSHIELD CLEANER is compatible with the following disinfectants: PERFEKTAN ENZYME, PERFEKTAN NEU, PERFEKTAN ENDO, PERFEKTAN TB, PERFEKTAN ACTIVE, and DESCOTON EXTRA. This makes it easy to integrate MANUSHIELD CLEANER into reprocessing procedures.

Application and dosage recommendation for cleaning			
Cleaning of endoscopes as well as medical and surgical instruments	1 % (10 ml/L)		Depending on the degree of pollution: 0,25 % (2,5 ml/L) – 5 % (50 ml/L)
Composition – 100 g solution contain			
5 – 15 % non-ionic surfactants			
Single Unit	Unit	Content	REF
bottle	6	2 L	00-104-020-02E
canister	3	5 L	00-104-050-01E





## ORANGE SOLVENT

Special cleaner for removing residues on medical devices

- With natural orange oil
- With extra cleaning power
- Effortlessly removes sticky residues and markings

ORANGE SOLVENT is a ready-to-use cleaning solution for thorough removal of stubborn residues on medical instruments and equipment. Also for removal of adhesive residue, permanent marker and scuff marks on flooring. Economic to use.

## Manual disinfection of flexible endoscopes

Disinfection of endoscopes is critical to prevent infections from contaminated material or inadequately reprocessed endoscopes. The process of an effective reprocessing of endoscopes is regulated by local guidelines and subject to very high quality requirements.

Generally, manual reprocessing of endoscopes has an increased potential for errors and an automated reprocessing is preferred whenever possible.

### The following recommendations should be considered for manual disinfection:

- Required spectrum of activity (at least bactericidal, fungicidal, mycobactericidal and virucidal efficacy)
- Concentration and exposure time specified by the manufacturer
- Personnel protection (PPE, avoidance of odor [ventilation, closed reprocessing tubs])
- Renewal of disinfectant solution (in case of contamination; at least every working day)
- Dosing accuracy by using dosing devices and aids

You can find detailed information for proper reprocessing of endoscopes on our website.

[www.schumacher-online.com](http://www.schumacher-online.com)



Single Unit	Unit	Content	REF
bottle	9	250 ml	00-805-0025
bottle	6	500 ml	00-805-005



**PREVENT****PERFEKTAN® ENZYME**

## Multi-enzymatic disinfecting cleaner for the reprocessing of instruments and endoscopes

- High level of material compatibility through a neutral pH
- For effective non-fixing enzymatic pre-cleaning
- Disinfectant effect with pleasant scent

PERFEKTAN ENZYME is the ideal disinfectant cleaner for the manual reprocessing of thermostable and thermolabile medical devices. Through its high-performance multi-enzyme complex made of four enzymes and selected surfactants, PERFEKTAN ENZYME yields a good cleaning result in the case of organic contamination without protein fixation. The fresh scent creates a pleasant environment and through the disinfectant effect based on QACs without aldehydes and amines, PERFEKTAN ENZYME offers an advantage in terms of occupational safety. The neutral pH ensures good material compatibility and value retention of the medical devices. PERFEKTAN ENZYME is also suitable for use in an ultrasonic bath. In addition, PERFEKTAN ENZYME can be used for the reprocessing of flexible endoscopes and is fully compatible with THERMOSHIELD NR and THERMOSHIELD DESINFECTANT

**High level of material compatibility through a neutral pH**

The manual reprocessing of sensitive medical products places increased demands on your safety - we have designed PERFEKTAN ENZYME for these situations: In addition to good cleaning performance, you can rely on the disinfection effect of PERFEKTAN ENZYME for your protection.

**Disinfection with a pleasant scent**

This innovative QAC based formulation offers bactericidal and yeasticidal efficacy and is effective against all enveloped viruses. The aldehyde-free, amine-free formulation was specifically designed to avoid protein fixation and ensure compatibility with other reprocessing chemicals. PERFEKTAN ENZYME may be used in immersion baths as well as ultrasonic baths and offers a mild, but pleasant scent to improve the user experience.

**For effective non-fixing enzymatic pre-cleaning**

The strong enzyme complex is not only composed of amylase, lipase and protease, but also contains an additional cellulase. Furthermore, surfactants in this pH-neutral formulation ensure thorough and gentle cleaning with good material compatibility for classical surgical instruments as well as sensitive medical products.

**Spectrum of efficacy and contact time****PREVENT PRESERVE PROTECT**

Application recommendation for use for disinfecting cleaning of surgical instruments 1% - 15 min

**Composition – 100 g solution contain**

17,5 g N,N-didecyl-N-methyl-poly(oxyethyl)ammoniumpropionat

0,5 g Didecyldimethylammoniumcarbonat

Single Unit	Unit	Content	REF
dispenser bottle	12	1 L	00-128-010E
bottle	6	2 L	00-128-020E
canister	3	5 L	00-128-050E

# PERFEKTAN® ENZYME

## Our new player for Team Enzyme

*bactericidal,  
yeasticidal,  
enveloped viruses  
in 5 Min.*



PREVENT



## PERFEKTAN® NEU

Aldehyde-free concentrate for instrument cleaning and disinfection

- Tuberculocidal
- Excellent cleaning properties
- Ideal for cleaning surgical instruments in an ultrasonic bath

PERFEKTAN NEU is a liquid concentrate with powerful cleaning properties based on alkylamines. The efficient aldehyde- and phenol-free formulation offers high material compatibility as well as user-friendly instrument processing and inhibits protein fixation during cleaning. Due to the disinfecting properties of PERFEKTAN NEU user safety is guaranteed. PERFEKTAN NEU is ideally suited for the non-fixing cleaning of endoscopes as well as the use in ultrasonic baths.

### Spectrum of efficacy and contact times

	PREVENT	PRESERVE	PROTECT
Application recommendation for use for disinfecting cleaning of flexible endoscopes and surgical instruments	2 % - 30 min		
Application recommendation for use for tuberculocidal disinfection of medical devices	2 % - 60 min		

### Composition – 100 g solution contain

3,6 g N-(3-aminopropyl)-N-dodecylpropan-1,3-diamin

Single Unit	Unit	Content	REF
dosage bottle	10	1 L	00-136-010E
canister	3	5 L	00-136-050E

PREVENT



## PERFEKTAN® TB

Aldehyde free concentrate for instrument cleaning and disinfection

- Aldehyde-free preparation with good cleaning power
- Gentle on materials
- Pleasant scent

PERFEKTAN TB is an economical, material-friendly, active-cleaning instrument disinfectant for routine clinical use. Thanks to the exceptional antimicrobial efficacy a high degree of personal protection is assured during instrument processing. PERFEKTAN TB is characterised by a pleasant smell thanks to the aldehyde-free formulation and is suitable for use on medical instruments.

### Spectrum of efficacy and contact times

	PREVENT	PRESERVE	PROTECT
Application recommendation for disinfectant cleaning for surgical instruments every type	3 % - 15 min 2 % - 30 min		
Application recommendation for disinfection for medical devices	1 % - 60 min		

### Composition – 100 g solution contain

3,75 g Cocospropylendiamin-1,5-bis-guanidinium-diacetat

5,6 g N, N-didecyl-N-methyl-poly(oxyethyl)ammoniumpropionat

Single Unit	Unit	Content	REF
dosage bottle	10	1 L	00-122-010E
bottle	6	2 L	00-122-020E
canister	3	5 L	00-122-050E

**PREVENT****PROTECT**

## PERFEKTAN® ENDO

Aldehyde-free concentrate for instrument cleaning and disinfection

- Gentle on materials
- Ideal for disinfecting pre-cleaning of endoscopes
- Preparation with good cleaning strength

PERFEKTAN ENDO is a material-friendly, active-cleaning instrument disinfectant based on a patented active principle. PERFEKTAN ENDO is characterized as an aldehyde- and phenol-free disinfectant cleaner with good cleaning properties and is ideally suited for disinfectant, non-fixing pre-cleaning of instruments and endoscopes. Thanks to the exceptional antimicrobial effectiveness a high degree of personal protection is assured during instrument processing.

## DESCOTON EXTRA

Disinfectant for instruments and endoscopes

- Virucidal according to harmonized EN norm
- Formaldehyde-free concentrate
- Suitable for final disinfection

DESCOTON EXTRA is a fast acting, virucidal, liquid concentrate for disinfecting endoscopes and surgical instruments. The formaldehyde-free product formulation is characterised by economical working concentrations, broad effectiveness including virucidal and tuberculocidal effects and good material compatibility. DESCOTON EXTRA is ideal for virucidal final disinfection of flexible and rigid endoscopes as well as medical instruments.

### Spectrum of efficacy and contact times

	<b>PREVENT</b>	<b>PRESERVE</b>	<b>PROTECT</b>
Application recommendation for use for disinfecting cleaning of flexible endoscopes and surgical instruments	3 % - 15 min 2 % - 30 min		
Application recommendation for disinfection for medical devices	1 % - 60 min		

### Composition – 100 g solution contain

3,75 g Cocospropylendiamin-1,5-bis-guanidinium-diacetat  
5,6 g N, N-didecyl-N-methyl-poly(oxyethyl)ammoniumpropionat

Single Unit	Unit	Content	REF
dosage bottle	10	1 L	00-121-010E
bottle	6	2 L	00-121-020E
canister	3	5 L	00-121-050E

### Spectrum of efficacy and contact times

	<b>PREVENT</b>	<b>PRESERVE</b>	<b>PROTECT</b>
Application recommendation for final disinfection for semi-critical medical devices including rigid and flexible endoscopes			3 % - 60 min

### Composition – 100 g solution contain

12 g Glutaraldehyd

Single Unit	Unit	Content	REF
dosage bottle	10	1 L	00-150-010E
canister	3	5 L	00-150-050E



# PERFEKTAN® ACTIVE

Works quickly against spores

**PERFEKTAN  
ACTIVE**

*comprehensively tested  
according  
to international  
standards.*

*Sporicidal  
according to  
EN 17126*

**PROTECT**

## PERFEKTAN® ACTIVE

### Powder concentrate for instrument disinfection

- **Very good material compatibility**
- **Rapid disinfection due to oxidative effective system**
- **Completely soluble**

PERFEKTAN ACTIVE is a highly effective powder concentrate for manual disinfection for medical instruments. This product is a powder, which dissolves fast and completely in water, for a reliable and safe application. Based on the active ingredient peracetic acid which is generated in the mildly alkaline application solution PERFEKTAN ACTIVE achieves a maximum spectrum of efficacy with excellent material compatibility, even with sensitive materials such as silicone. The oxidative action system of PERFEKTAN ACTIVE provides efficient disinfection through peracetic acid, which completely reacts to water, acetic acid and oxygen.

#### Record times for PERFEKTAN ACTIVE

PERFEKTAN ACTIVE inactivates both *C. difficile* and *C. difficile* ribotype Ro27 in 5 minutes at 1.5 % concentration or in 15 minutes at 1 % concentration, even with heavy soiling.

#### Best values for all efficacies

PERFEKTAN ACTIVE not only sets standards in terms of sporicidal activity, but offers a full spectrum of efficacy thanks to peracetic acid. Whether bactericidal, tuberculocidal or virucidal, PERFEKTAN ACTIVE removes all relevant pathogens within a short exposure time.

#### Top of the line material compatibility

PERFEKTAN ACTIVE powdered concentrate proves that broad spectrum of efficacy and near universal material compatibility are not mutually exclusive. It is ideal for the disinfection of sensitive materials such as EPDM and ABS plastics, glass, stainless steel and various elastomers.

#### Spectrum of efficacy and contact times

##### PREVENT PRESERVE PROTECT

Application recommendation for final disinfection for semi-critical medical devices including rigid and flexible endoscopes	1 % - 60 min 2 % - 30 min
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#### Composition

Active ingredient: Peracetic acid (in-situ) > 850 ppm (1 % dilution)

Single Unit	Unit	Content	REF
sachet	100	40 g	00-155-0004
bucket	6	1 kg	00-155-010

- #### Advantages: PERFEKTAN ACTIVE
- fast virucidal and sporicidal efficacy
  - effective against both *C. difficile* and *B. subtilis*
  - improved patient protection from spores



**INSTRUMENTS**

# Automated Reprocessing



## **Powerful cleaning of medical devices**

Cleaning, neutralizing, rinsing, instrument care: The THERMOSHIELD range for automated reprocessing of reusable medical devices has the right product for every step in the reprocessing cycle.

The reprocessing of medical products is aided by the modern and easy-to-use formulations of Dr. Schumacher products. The result is higher safety for patients and hospital personnel.





	Application		Wash ware					Area of use				pH(-value)			Active ingredient							
	Surgical instruments	Flexible endoscopes	Rigid endoscopes	Glas ware	MIC & Da Vinci instruments	Ophthalmological instruments	OR shoes	Dental handpieces & contra angles	Bedpans	Cleaning	Neutralisation	Rinse aid	Disinfection	Acidic	Neutral	Mildly alkaline	Alkaline	Glutaraldehyde	Enzymes	Surfactants	Citric acid	Phosphoric acid
THERMOSHIELD® XTREME	•	•	•	•	•	•	•	•	•						•			•	•			
THERMOSHIELD® BASIX	•			•	•			•	•								•					
THERMOSHIELD® C	•	•			•		•			•				•							•	
THERMOSHIELD® P	•			•						•				•								•
THERMOSHIELD® SHINE							•				•			•						•		
THERMOSHIELD® DESINFEKTANT		•											•	•				•				
THERMOSHIELD® NR	•	•	•						•						•					•		
THERMO CLEAR								•			•		•								•	





## THERMOSHIELD® XTREME

Mildly alkaline enzymatic cleaning agent for automated instrument reprocessing

- **Excellent cleaning efficiency**
- **Innovative combination of surfactants**
- **Visible shine and preservation of value of instruments**

THERMOSHIELD XTREME is an enzymatic, mild alkaline cleaner for automatic processing of medical and surgical instruments in washer disinfectors. A special complementary combination of surfactants with a highly active enzyme complex ensures optimal cleaning. The synergistic mechanism of action of the ingredients efficiently removes organic contamination such as proteins, blood, residual tissue and fatty residues. THERMOSHIELD XTREME can be used without additional neutralizers or rinse aids when demineralized water is used. At the same time, THERMOSHIELD XTREME is particularly gentle to materials and even sensitive materials, such as anodized aluminum, can be reprocessed. The recommended working concentrations correspond to a pH of more than 10. Even in the case of particularly stubborn organic soiling (such as on bone punches), very good results can be achieved with THERMOSHIELD XTREME through manual pre-cleaning in the ultrasonic bath combined with automated reprocessing. In the case of encrusted HF surgery instruments, we recommend pre-cleaning with PERFEKTAN DUO EFFECT and subsequent automated reprocessing with THERMOSHIELD XTREME.

### Application and dosing recommendation for cleaning

Application recommendation for cleaning  
Depending on the degree of contamination and area of use:

3 – 10 ml/L  
exposure time 10 min bat 55 °C

### Composition – 100 g solution contain

< 5 % ionic Tenside

5 – 15 % non-ionic Tenside

Enzyme

Single Unit	Unit	Content	REF
flat canister	3	5 L	00-170-050E
canister	1	10 L	00-170-100E

# Advantages of

# THERMOSHIELD® XTREME



## Top Cleaning Performance

The perfect interplay of surfactants and enzymes results in an optimal cleaning result. This provides increased safety, and reduces the need for pre- and post-cycle reprocessing of instruments.

## Mildly alkaline enzymatic cleaning

The care elements extend the value retention of the instruments ensuring cost savings, as well cared for instruments can be used longer.

## Excellent Material Compatibility

The compatibility of THERMOSHIELD XTREME with diverse materials reduces the number of products needed for reprocessing and can help optimize logistics.





## THERMOSHIELD® BASIX

Alkaline, surfactant-free liquid cleaner for automated instrument reprocessing

- Protects instruments and machines with corrosion inhibitors
- Surfactant-free, low-foaming formulation
- pH > 10 at the working concentration

THERMOSHIELD BASIX is a highly alkaline, surfactant-free cleaner for the machine processing of surgical instruments, laboratory equipment and bedpans in washer-disinfectors. The good cleaning performance in relation to blood and other protein-containing contaminants is due to the high alkalinity of THERMOSHIELD BASIX. Because of its good material compatibility and corrosion inhibitors both instruments and the machine are protected. The recommended working concentrations correspond to a pH of more than 10.

### Application and dosing recommendation for cleaning

Application recommendation for cleaning  
Depending on the degree of contamination and area of use:

2 – 8 ml/L (0,2 – 0,8 %)

### Composition – 100 g solution contain

< 5 % phosphonates

Single Unit	Unit	Content	REF
flat canister	3	5 L	00-173-050E
canister	1	10 L	00-173-100E



## THERMOSHIELD® C

Neutraliser for automated instrument reprocessing

- Based on citric acid
- Efficient neutralisation
- Gentle reprocessing of sensitive instruments

THERMOSHIELD C is a liquid concentrate for use as a neutralising agent in the automated processing of medical instruments following the use of an alkaline product such as THERMOSHIELD BASIX or THERMOSHIELD XTREME in the cleaning step. The acidic pH value of THERMOSHIELD C keeps both instruments and the machine free of inorganic deposits and, especially, lime residues. By using THERMOSHIELD C in neutralisation it is possible to protect especially sensitive materials and prevent entrained remains of alkali from the cleaning step.

### Application and dosing recommendation for cleaning

Application recommendation for neutralisation.  
Depending on pH and water hardness:

1 – 3 ml/L (0,1 – 0,3 %)

### Composition – 100 g solution contain

organic acids

Single Unit	Unit	Content	REF
flat canister	3	5 L	00-180-050E



## THERMOSHIELD® P

### Neutraliser for automated instrument reprocessing

- Based on phosphoric acid
- Preservation of value of the instruments using basic cleaning
- Prevents inorganic residues

THERMOSHIELD P is a liquid neutraliser concentrate based on phosphoric acid for the use in automatic reprocessing of medical instruments. After usage of alkaline cleaners like THERMOSHIELD BASIX or THERMOSHIELD XTREME during the cleaning step, THERMOSHIELD P provides an efficient neutralisation. THERMOSHIELD P is ideally suitable for hard water and helps to prevent inorganic deposits and lime residues. Inorganic, acid soluble soilings as well as discolorations can be removed reliably, which makes THERMOSHIELD P ideal for basic cleaning.

#### Application and dosing recommendation for cleaning

Application recommendation for neutralisation.  
Depending on pH and water hardness:

1 – 3 ml/L (0,1 – 0,3 %)

#### Composition – 100 g solution contain

inorganic and organic acids

Single Unit	Unit	Content	REF
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flat canister	3	5 L	00-181-050E
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## THERMOSHIELD® SHINE

### Rinsing agent for automated instrument reprocessing

- Time saving due to rapid and thorough drying
- Acid pH value prevents limescale build-up and deposits
- Preserves the quality of instruments

THERMOSHIELD SHINE is a liquid concentrate for use as a rinsing aid in WDs and thermal disinfectors for processing medical and dental instruments as well as medical devices. It is added to the final rinse and the dosage is carried out automatically using the dosing pump or using the rinsing aid compartment of the WD or thermal disinfectant. Thanks to its acidic pH THERMOSHIELD SHINE prevents the formation of deposits on the instruments and in the machine. As a result of the rapid drying action achieved with THERMOSHIELD SHINE, the formation of water spots is prevented, saving time in reprocessing.

#### Application and dosing recommendation for cleaning

Application recommendation for rinsing.  
Depending on pH and water hardness:

0,1 – 0,3 ml/L (0,01 – 0,03 %)

#### Composition – 100 g solution contain

organic acids

< 5 % non-ionic tensides

Single Unit	Unit	Content	REF
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dispenser bottle	12	1 L	00-182-010E
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flat canister	3	5 L	00-182-050E
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**PROTECT**

## THERMOSHIELD® DESINFEKTANT

Disinfectant for the chemothermal reprocessing of endoscopes

- User friendly due to low aldehyde content
- Virtually odour free
- Material-friendly with flexible endoscopes

THERMOSHIELD DESINFEKTANT is a material-friendly and user-friendly preparation for chemothermal disinfection of flexible endoscopes at 55–60°C. In combination with the neutral cleaner THERMOSHIELD NR, it offers an optimal solution for gentle cleaning and disinfection in endoscope washers. The preceding manual endoscope preparation can ideally be carried out with MANUSHIELD CLEANER or PLURAZYME EXTRA. THERMOSHIELD DESINFEKTANT is particularly material friendly due to its glutaraldehyde-based composition. Since the content of glutaraldehyde is low in THERMOSHIELD DESINFEKTANT it is particularly user-friendly because the odour is considerably lower than that of many comparable preparations.

### Spectrum of Efficacy and Contact times

**PREVENT PRESERVE PROTECT**

Application recommendation for thermochemical disinfection of flexible endoscopes and all kinds of surgical instruments (55 – 60°C)

1 % – 5 min

### Composition – 100 g solution contain

10 g Glutaral

Single Unit	Unit	Content	REF
flat canister	3	5 L	00-134-050E



## THERMOSHIELD® NR

Cleaner for chemothermal reprocessing of endoscopes

- Suitable for sensitive materials
- Neutral pH saves additional neutralizing agent
- Especially suited for flexible endoscopes

THERMOSHIELD NR is a pH-neutral instrument cleaner for processing of medical instruments and medical devices in washer disinfectors. Due to its enzyme-free formulation THERMOSHIELD NR has been tested intensively for a long period in hospitals and medical practises and can therefore be recommended for all common automatic cleaning machines. A great advantage of THERMOSHIELD NR is the neutral pH-value, which ensures careful and gentle cleaning. Moreover, additional rinsing for neutralisation is not necessary in contrast to all alkaline cleaners. Omitting a neutraliser, the very low use concentration and the fact that the product is biologically degradable (acc. to OECD-guideline 301D) highlight an ecologically convincing product concept. Due to its pH-neutral and virtually non-foaming formulation THERMOSHIELD NR is an ideal pre-cleaner for THERMOSHIELD DESINFEKTANT for the automated processing of flexible endoscopes at 55 - 60 °C.

### Application and dosing recommendation for cleaning

Application recommendation for automated cleaning of all kinds of surgical instruments Depending on the degree of pollution	0,3 – 0,7 %
Application recommendation for automated cleaning of endoscopes	0,4 – 0,6 %

### Composition – 100 g solution contain

5 – 15 % nichtionische Tenside

Corrosion inhibitors

Single Unit	Unit	Content	REF
flat canister	3	5 L	00-119-050-02E



## THERMO CLEAR

Clear-rinsing agent for thermal bedpan cleaning machines

- Prevents calcification of bedpan washing machines
- Ensures spotless drying of the bedpans
- Low foaming

THERMO CLEAR is suitable for chemothermal reprocessing of bedpans in thermal bedpanwashers. It ensures spotless drying of the bedpan, prevents the cleaning machine for bedpans from calcification and is low-foaming. THERMO CLEAR is biodegradable acc. to EU detergent regulation because it is based on citric acid.



## SPEZIAL ÖLSPRAY

Spray for maintenance of instruments

- Based on medical-grade white oil
- For hand-piece maintenance and lubrication prior to steam sterilization
- Optimal lubrication of moving instrument parts

SPEZIAL ÖLSPRAY is an aerosol spray for the maintenance of medical instruments, especially for articular instruments. For the maintenance of hinges and valves of rigid endoscopes. The special spray valve provides a fine, even protective layer. A subsequent sterilisation after the application on the instruments is not affected by this protective layer. SPEZIAL ÖLSPRAY preserves the value of your instruments thanks to an optimal lubrication and an effective corrosion inhibition. Due to the use of paraffinum liquidum, SPEZIAL ÖLSPRAY is compatible with most materials and toxicologically harmless according to drug and food laws

### Application and dosing recommendation for cleaning

Dosing is dependant on the machine type and water hardness. Check with the department personell!

1 – 3 ml/L  
(siehe Herstellerangaben)  
(0,1 – 0,3 %)

### Composition – 100 g solution contain

< 30 % Organic acids

complexing agents

corrosion inhibitors

Single Unit	Unit	Content	REF
flat canister	3	5 L	00-127-050E
canister	3	5 L	00-127-050

### Composition

medical grade white oil according to DAB 10 (Paraffinum liquidum)

propellant Propan/Butan

Single Unit	Unit	Content	REF
aerosol spray	12	500 ml	00-108-005



## APPLICATION AIDS

# Wall Dispensers and Dosage Aids

### **Long service life and high-quality workmanship**

The application aids from Dr. Schumacher guarantee the right dosage, concentration and application of cleaning and disinfection products. Thanks to the use of high-quality materials, you can expect our accessories to have a long, maintenance-free life.

Whether dosing aids, spray heads, measuring cups or instrument trays – all Dr. Schumacher accessories contribute to the economical use of products and simplification of work processes.









## AK PLUS 500/1000 with stainless steel pump

Arm lever wall dispenser in aluminium housing

Arm lever wall dispenser in aluminium housing with exchangeable stainless steel pump. Easy removal without disassembly. The dispenser is suitable for 500 ml or 1 L bottles and doses 1.5 ml per stroke (other dosage calibration possible). The AK 500/1000 PLUS wall dispenser is may be reprocessed using autoclave.

Single Unit	Unit	Size	REF
AK 500/1000 PLUS – (long lever)			
wall dispenser	1	500 ml	00-901-005-01
wall dispenser	1	1 L	00-901-010-01

Single Unit	Unit	Size	REF
AK 500/1000 PLUS – (short lever)			
wall dispenser	1	500 ml	00-903-005-01
wall dispenser	1	1 L	00-903-010-01



## AK PLUS 500/1000 without stainless steel pump-

Arm lever wall dispenser in  
aluminium housing

Arm lever wall dispenser in an aluminum housing. The dispenser is suitable for 500 ml or 1 L bottles and doses 1.5 ml per stroke (other dosage calibration possible). The AK 500/1000 PLUS wall dispenser is may be reprocessed using autoclave.



## AK 1000 PLUS TOUCHLESS

Touchless wall dispenser in  
aluminium housing

The AK 1000 PLUS TOUCHLESS is a touchless wall dispenser in an aluminum housing with a replaceable stainless steel pump and integrated battery indicator. It offers easy removal without dismantling. The dispenser is suitable for use with 1 L bottles and doses 1.5 ml per stroke (other dosage calibration possible). The AK 1000 PLUS TOUCHLESS dispenser is autoclave and dishwasher safe.

Single Unit	Unit	Size	REF
AK 500/1000 PLUS			
wall dispenser without stainless steel pump	1	500 ml	00-901-005OEP
wall dispenser without stainless steel pump	1	1 L	00-901-010OEP

Single Unit	Unit	Size	REF
AK 1000 PLUS TOUCHLESS			
wall dispenser	1	1 L	00-911-010TO





### SPE 500/1000

Arm lever wall dispenser wall dispenser in plastic design

Arm lever wall dispenser and touchless wall dispenser with integrated collecting tray. Closed dispenser with viewing window. Suitable for 500ml / 1000 ml dispenser bottles. Dosage quantity approx. 1.8 ml/stroke by default, reducible in three steps.



### SPE 500/1000 TOUCHLESS

Automatic wall dispenser in plastic design

Automatic wall dispenser with integrated drip tray. Closed dispenser with viewing window. Suitable for 500 ml or 1 L dispenser bottles and doses approx. 1.8 ml per stroke (other dosage calibration possible).

Single Unit	Unit	Size	REF
<b>SPE 500/1000</b>			
wall dispenser	1	500 ml	00-918-005
wall dispenser	1	1 L	00-918-010

Single Unit	Unit	Size	REF
<b>SPE touchless</b>			
wall dispenser	1	500 ml	00-911-005TL-01
wall dispenser	1	1 L	00-911-010TL

# Properly install and maintain your wall dispenser

The use of dosing dispensers facilitates a user-friendly application of hand disinfectants, washing lotions and care creams. The dispensers ensure a high level of hygiene compliance and simplify work processes.

When installing wall dispensers, pay attention to the following points:

## Visibility

The dispensers must be placed in the staff's field of vision.

## Tangibility

Dispensers should be easy to find and use.

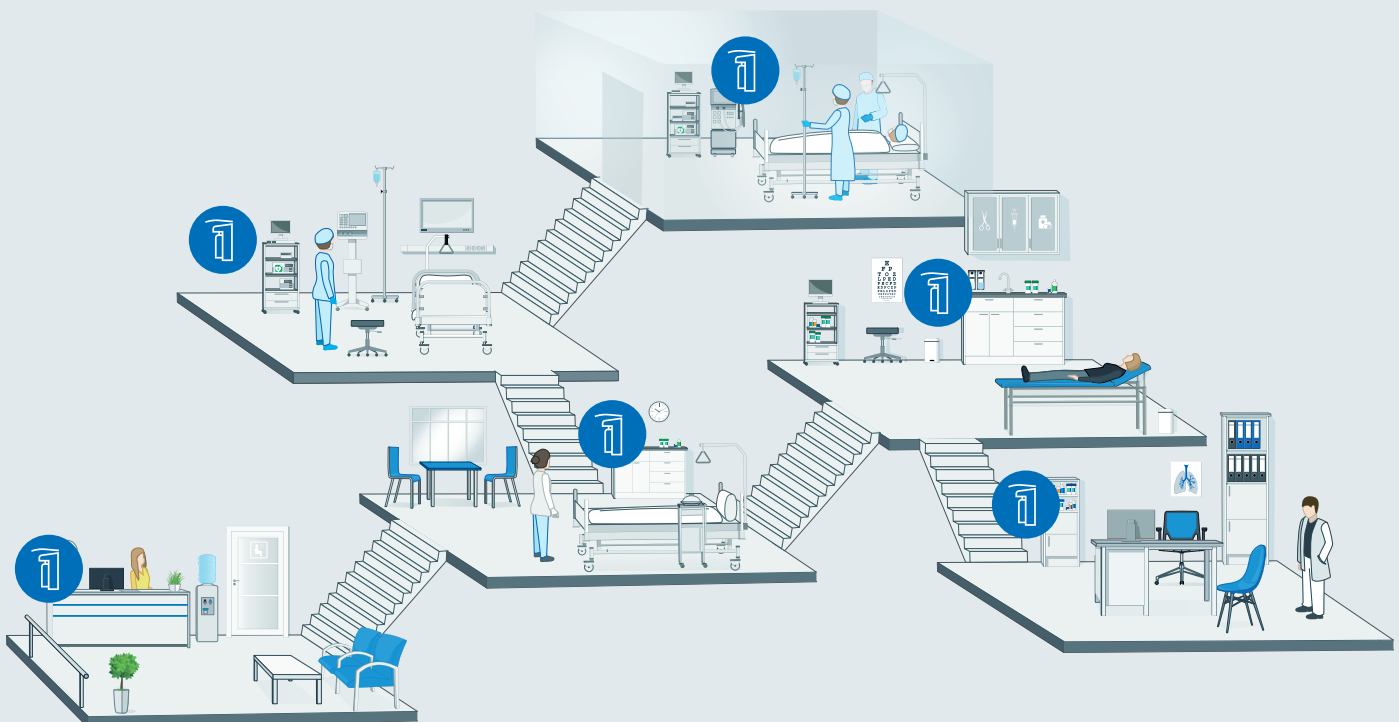
## Functionality

The dispensers should work and be regularly refilled.

Correct application is particularly crucial at the **"point of care" (POC)**. At the POC the three elements of the healthcare come together: the patients, the staff and the treatment. Dispensers must therefore always be installed close to the patient in order to ensure hygiene standards and protect the patients and staff. Poorly maintained dispenser can result in contamination of the contents and the dispenser's surroundings. To prevent colonization, dosing dispensers should be regularly cleaned and disinfected.

Visit our website for more resources on installing and maintaining dispensers including checklists and guides.

[www.schumacher-online.com](http://www.schumacher-online.com)





## DESCOFLEX MOBILE HOLDER

For variable installation of dispenser bottles

DESCOFLEX MOBILE HOLDER MH is made of chrome-plated stainless steel for variable attachment of dispenser bottles on bed frames, care trolleys etc. Easy to apply and suitable for 500 ml/1 L bottles.

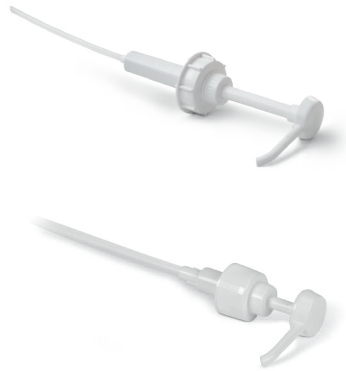
## DESCOFLEX WALL HOLDER

For installation of dispenser bottles at the wall

DESCOFLEX WALL HOLDER is a stable plastic construction which is suitable for wall mounting. The holder can be used in combination with 500 ml/1000 l dispenser bottles.

Single Unit	Unit	Size	REF
bottle holder MH	1	500 ml/1 L	00-902-MH

Single Unit	Unit	Size	REF
bottle holder	1	500 ml/1 L	00-902-WHEX



## DOSING PUMP

Dosing aid for containers and dispenser bottles

The DOSING PUMP is available in three different versions: dosing pump with 30 ml/stroke, fits 2 L bottles, 5 L or 10 L containers, adapter available on demand for smaller dosing (20 ml, 10 ml). Dosing pump with 3 ml/stroke, fits 500 ml/1 L bottles or dosing pump with 2 ml/stroke, fits 500 ml/1 L bottles.

Single Unit	Unit	Size	REF
dosing pump with 30 ml/stroke	1	2 L/5 L/10 L	00-906-000-01
dosing pump with 3 ml/stroke	1	500 ml/1 L	00-906-005-02
dosing pump with 2 ml/stroke	1	500 ml/1 l	00-906-005EX



## MEASURING AIDS

For surface and instrument disinfection and cleaners

The MEASURING AIDS are available in different versions: 1 L dosing bottle with 60 ml chamber, canister key for opening 5 L and 10 L containers and taps for 2 L bottles with handles and 5 L, 10 L and 30 L containers.

Single Unit	Unit	Size	REF
dosage bottle	1	Dosage: 25 ml – 60 ml	00-904-010
canister opener	1	-	00-909-050
tap	1	2 L/5 L/10 L	00-907-000





## MEASURING JUG/CUP & SPRAY HEADS

For surface and instrument disinfectants and cleaners

The MEASURING JUG (3 L) and CUP (40 ml) are perfect for dosing products for surface and instrument disinfection as well as cleaners.

The SPRAY HEADS are available in different versions: Spray head for 500 ml bottle, spray head for 500 ml/1 L dispenser bottles and foam spray head for 500 ml/1 L dispenser bottles.

Single Unit	Unit	Size	REF
spray head	1	500 ml	00-905-005-01
spray head	1	1 L	00-905-010
foam spray head	1	1 L	00-912-010

Single Unit	Unit	Size	REF
measuring jug	1	3L	00-906-030
measuring cup	1	40 ml	00-906-0004

## INSTRUMENT BATH

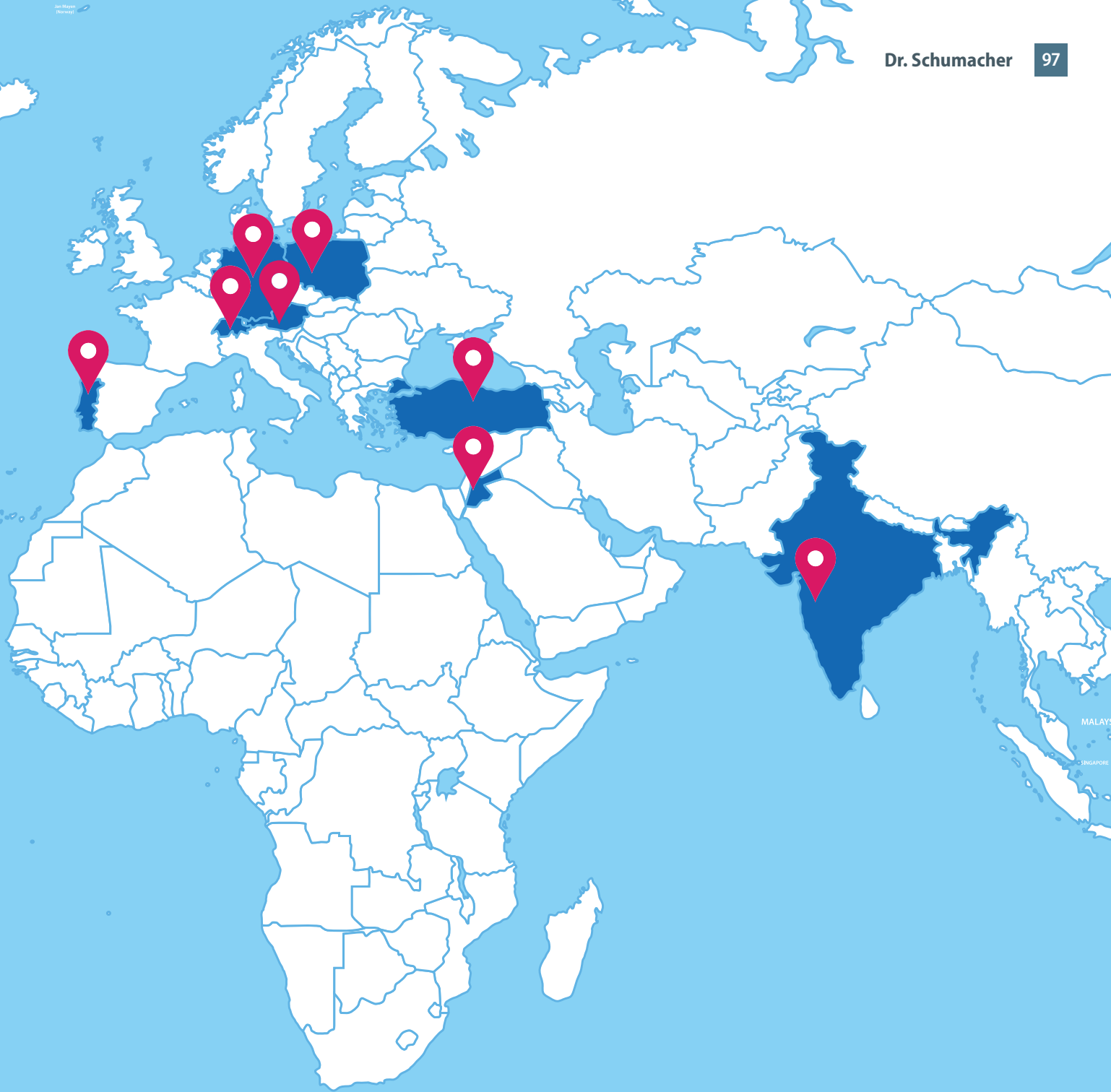
For instrument processing

- With recessed grips for secure handling
- Practical removable basket insert
- Lid can be tightly sealed to prevent contamination of the room air

Disinfection tubs are required for cleaning and disinfection during manual processing and, if required, as preparation for automated processing of instruments as well as rigid and flexible endoscopes. The disinfection tub has a removable basket insert, a marker indicating the level of solution, a closely fitting white lid and comes in a number of different sizes. All disinfection tubs can be processed automatically. The basket insert enables easy removal of instruments from the cleaning or disinfectant solution. After removing the basket insert from the disinfection tub, they can immediately be rinsed under running water. The tightly sealing lid prevents any contamination of the room air by volatile ingredients.

Single Unit	Tub size L x B x H	Basket Insert Size L x B x H	REF
1 L	223 x 149 x 91 mm	145 x 112 x 70 mm	00-908-010
4 L	343 x 213 x 125 mm	280 x 192 x 112 mm	00-908-040





## A Global Company

Dr. Schumacher's success story began more than 40 years ago in northern Hesse, where our company headquarters remain. Today, we are an international, family business, with operations in 8 countries and customers found in over 70 countries worldwide. Our success is built on close cooperation and extensive exchange between employees.

Together, we protect your health.

### Locations at a Glance

- Germany (HQ)
- Austria
- India
- Jordan
- Poland
- Portugal
- Switzerland
- Turkey



# Index



Products with a patent seal have successfully been awarded a patent or are patent pending.



Product is appropriate for in an HACCP concept (in accordance with Article 5 of the VO (EG) 852/2004).



Guaranteed standing time of 42 days when combined with certified Dr. Schumacher products.



Guaranteed pre-soak time of 15 minutes when combined with certified Dr. Schumacher products.



Product is recommended for whole body patient washing.



Wipe intended for use on **large** surfaces.



Wipe intended for use on **medium** surfaces.



Wipe intended for use on **small** surfaces.

