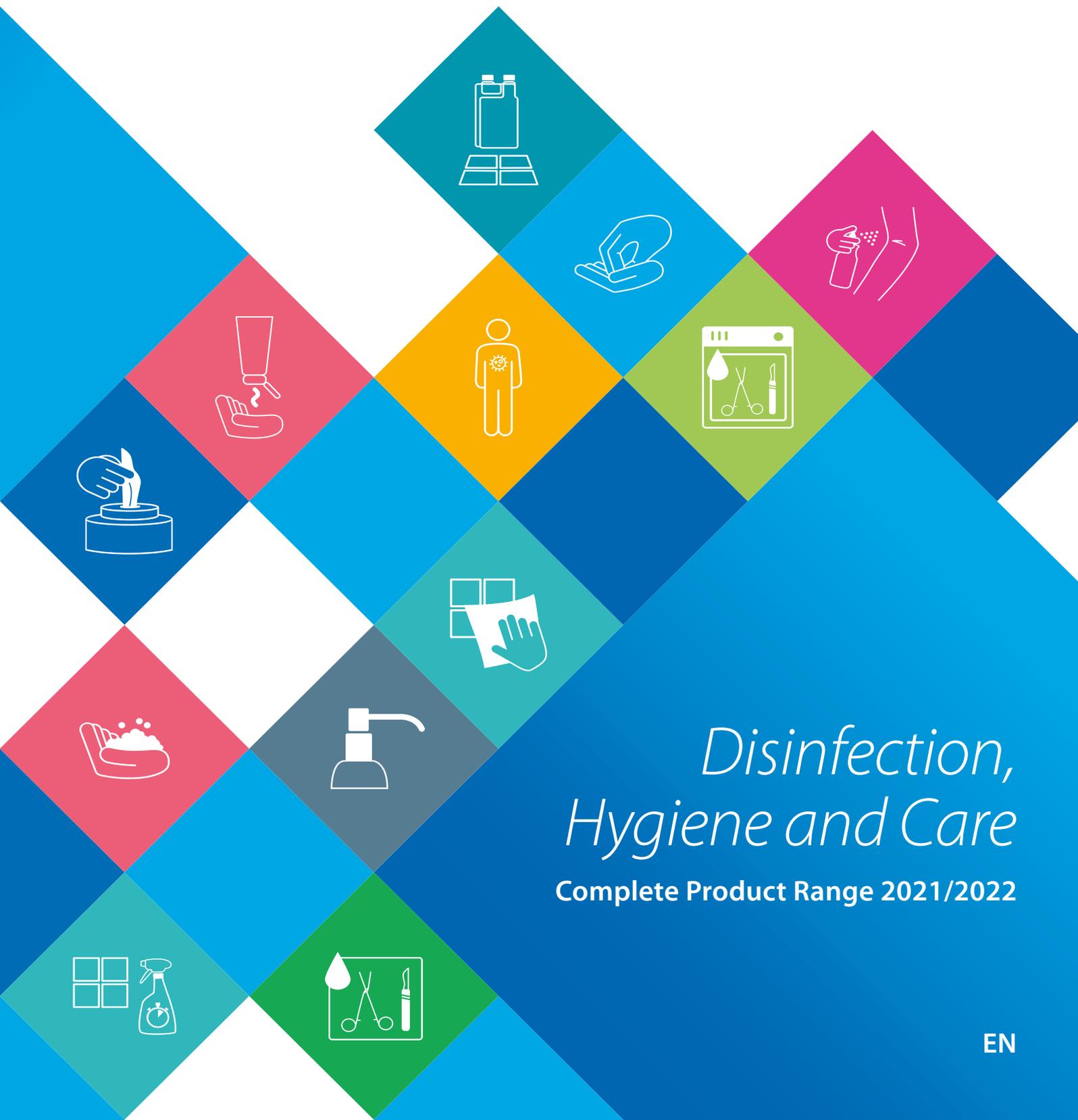


*We protect  
your health.*



**Dr. Schumacher**



*Disinfection,  
Hygiene and Care*  
Complete Product Range 2021/2022

*„As a family business in the healthcare sector, we want to shape the future in a way that is sustainable. Our decades of competence on top of the expertise of our employees, as well as the use of innovative technologies are vital for reaching our goal. We see ourselves as hygiene specialists with an overwhelming focus on user and patient safety.“*

QUOTE FROM DR. KLAUS RUHNAU



## Our Vision for Health

For more than 40 years, high quality, user-friendly disinfectants have been the cornerstone of Dr. Schumacher's business. In the spirit of our founder's, Dr. Henning Schumacher's, vision and guiding principles, people and their health remain the focus of both our long term goals and day to day operations.

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 as heads of the company 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.



## Product Highlights

Our Portfolio - Made in Germany. Our Service - Made in Europe. Dr. Schumacher is one of Europe's leading manufacturers of disinfection, hygiene and care products. We are present at every level of the medical field as well as in baby care, personal hygiene, cosmetics and household products. Our products are currently available in over 70 countries worldwide and we strive to promote global health advancements. Dr. Schumacher stands for quality. We don't just offer empty promises, we are committed to excellence. With constant innovation and our pioneering spirit, we offer high-performing product portfolios for all areas of the medical field – hands & skin, surfaces and instruments!



### ASEPTOMAN® MED

**ASEPTOMAN MED** is a skin-friendly hand disinfectant that offers maximum effectiveness when used routinely. The low-alcohol formulation makes ASEPTOMAN MED particularly gentle on the skin and the perfect product to use all year round. It is color- and fragrance-free and free of residual active ingredients.



### DESCOLIND SERIES

With our newly developed DESCOLIND product line, Dr. Schumacher has set a new benchmark for cleansing, care and protection of hands. The three series, COMFORT, PURE and EXPERT, offer modern formulations that are specifically adapted to the needs of different skin types and conditions.



## PERFEKTAN® ENZYME

**PERFEKTAN ENZYME** is a true game-changer for manual processing of surgical instruments. A multi-enzyme complex provides the molecular force to break down all kinds of organic residues. This in combination with strong surfactants results in a superior cleaning performance. The pH-neutral formulation contains a pleasant odor and offers good material compatibility.

## DESCOCEPT SENSITIVE

**DESCOCEPT SENSITIVE** is a ready to use formula for rapid disinfection. It is also available as a ready to use wipe, which is perfect for the near patient area. With its comprehensive effectiveness and outstanding material compatibility, **DESCOCEPT SENSITIVE** has become one of the most popular products in our portfolio.



## ONE SYSTEM BASIC

**ONE SYSTEM BASIC** is an innovative, disposable disinfection dry wipe system. It is compatible with a large number of Dr. Schumacher surface disinfectants and has been tested to guarantee a shelf life of up to 42 days after the initial soaking. This flexible solution is especially good for use in areas with a particularly high risk of infection.



# Dr. Schumacher Hygiene Levels

## All virucidal efficacies color coded

Viruses have had the ability to cause serious illnesses long before the arrival of the novel coronavirus SARS-CoV-2, especially in older and immunocompromised people. Around 85% of all nosocomial outbreaks in medical and care facilities are triggered by viral pathogens<sup>1</sup>. Based on their structure, viruses can be divided into two categories: enveloped and non-enveloped. Enveloped viruses, such as corona, HIV and influenza, offer chemical substances a weak point of entry and are thus easier to inactivate. Non-enveloped viruses, including noro- and coxsackieviruses, are more stable and resistant to disinfectants. The non-enveloped noro-, rota- and adenoviruses are responsible for outbreaks in both healthcare facilities and schools alike on a particularly regular basis. 74% of all nosocomial outbreaks are caused exclusively by noroviruses<sup>1</sup>. These viruses are more stable than enveloped viruses, but not as stable as some other kinds of non-enveloped viruses.

The different resistances of viruses correspond to three disinfectant efficacy spectrums, which are tested as per the methods of the RKI/DVV and in accordance with DIN EN 14476: limited virucidal activity (effective against all enveloped viruses), limited virucidal activity PLUS (effective against all enveloped viruses as well as noro-, rota- and adenoviruses) and virucidal (effective against all enveloped and non-enveloped viruses).

The color coding of the Dr. Schumacher hygiene levels, **PREVENT :: PRESERVE :: PROTECT** reflect the three virus related efficacy spectrums. This enables users to determine the virus efficacy of most Dr. Schumacher products at first glance.

The following diagram illustrates the system and explains the individual hygiene levels.

Source:  
1. Robert Koch Institute Nosocomial outbreaks. As of: 12/7/2016. <https://bit.ly/2VfepMo>

Find out more at:  
[www.schumacher-online.com/en/simple](http://www.schumacher-online.com/en/simple)

## PREVENT LEVEL

**Efficacy spectrum:**  
Bactericidal, yeasticidal, **activity against enveloped viruses**

Enveloped viruses are surrounded by a lipid membrane. The lipid membrane presents a weak point of attack and can be easily destroyed by disinfectants. An efficacy spectrum of activity against enveloped viruses is sufficient to achieve this. Many enveloped viruses are of high clinical relevance.

**Relevant viruses:** HBV, HCV and HIV, corona and influenza viruses.

## PRESERVE LEVEL

**Efficacy spectrum:**  
Bactericidal, yeasticidal, **limited spectrum virucidal activity**

In principle, non-enveloped viruses are more stable against disinfectants than enveloped viruses. However, within this group there are some viruses which are less resilient than other non-enveloped viruses. Noro-, rota- and adenoviruses are of clinical relevance here and are responsible for a large number of outbreaks. Since a full spectrum of virucidal efficacy is not necessary here, the efficacy spectrum limited virucidal activity was introduced.

**Relevant viruses:** All enveloped viruses as well as noro-, rota- and adenoviruses

## PROTECT LEVEL

**Efficacy spectrum:**  
Bactericidal, yeasticidal, **virucidal**

In the case of non-enveloped viruses, which are highly resilient, higher disinfectant concentrations and longer contact times may be necessary. A product that offers virucidal efficacy will be effective against all enveloped and non-enveloped viruses.

**Relevant viruses:** Echo-, coxsackie-, rhino-, picorna- and papilloma-viruses

Application relevant additional activity spectra (sporicidal, fungicidal, tuberculocidal, mycobactericidal) can be incorporated in the application recommendations of **Prevent :: Preserve :: Protect**

Product Information Sheet Example



Product page sample

Hygiene Levels in the Catalogue

The majority of products in our complete catalog are color coded according to their spectrum of virucidal efficacy. At first glance, the end-user knows immediately against which group of viruses the disinfectant is effective and which of the three efficacy spectrums, limited spectrum virucidal activity, limited virucidal activity PLUS or virucidal, is achieved. The product efficacy tables also include recommendations that go beyond the respective virucidal efficacy and are based on practical application scenarios.

Spectrum of Efficacy and Contact Times			
Hygiene levels and contact times / Spectrum of action	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection	1 % - 5 min 0.5 % - 15 min	1 % - 15 min	2 % - 30 min 1 % - 60 min
Application recommendation for tuberculocidal surface disinfection		2 % - 15 min	
Application recommendation for sporicidal surface disinfection			

Use disinfectants safely. Always read the label and product information before use.  
Detailed explanation of level PREVENT :: PRESERVE :: PROTECT efficacies see page 5.\*

## *Disinfection, Hygiene and Care*

Welcome to Dr. Schumacher! We put the emphasis on people in everything we do. Whether a hygiene specialist, purchasing agent, end-user or patient: we offer safe and efficient products for daily use across all medical sectors. Our innovative and high quality products are developed in close cooperation with the end-users. We offer unbeatable service, including personal consultation and solutions tailored to your requirements.



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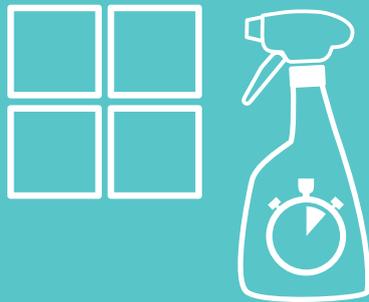
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# Surface

## Rapid Disinfection

The rapid solutions from Dr. Schumacher can be used both for routine and targeted disinfection.

### **The advantages**

**Time-saving:** The time-consuming preparation of solutions and complicated dosage calculations are not necessary.

**Safe application:** Staff benefits from exceptional occupational safety. Incorrect dosing is ruled out.

**Can be used straight away:** Can be used without any time-consuming preparation and is easy to handle.

**Wide range of applications:** Intelligently coordinated formulas from routine scenarios to more demanding situations, e.g., in the vicinity of patients.

Whether alcohol-free or alcohol-based, Dr Schumacher's rapid surface disinfectants offer excellent material compatibility and satisfy a wide range of surface requirements.



	Area of Application			Properties			Active Ingredients			Spectrum of Activity						Form				
	Wipe disinfection	Rapid disinfection	Cleaning	Alcoholic	Alcohol-free	Perfume-free	QAC	Aldehyde	Alkylamines	peracetic acid	Bactericidal	Yeasticidal	Fungicidal	Tuberculocidal	Sporicidal	Active against enveloped viruses	Limited spectrum virucidal activity	Virucidal	Concentrate	Ready-to-use
<b>DESCOCEPT SPEZIAL</b>	✓	✓	✓		✓	✓	✓				✓	✓				✓				✓
<b>DESCOCEPT SENSITIVE</b>	✓	✓	✓	✓		✓					✓	✓		✓		✓	✓			✓
<b>DESCOCEPT PUR</b>	✓	✓	✓	✓		✓					✓	✓		✓		✓	✓			✓

For full information on each spectrum of activity, please consult the corresponding production information sheet (PIF).

# DESCOSEPT SPEZIAL

## Alcohol-free rapid disinfectant

PREVENT



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

DESCOSEPT 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. DESCOSEPT SPEZIAL is alcohol-free, contains neither aldehydes or phenols, nor perfums.

applicable  
as foam

**Composition**  
100 g solution contain: 0.25 g Didecylmethyl ammonium chloride, 0.5 g Alkyl (C12-16) Dimethylbenzyl ammonium chloride.

Single Unit	Unit	Content	REF
spray bottle	6	750 ml	00-208-0075E-SF
bottle	12	1 l	00-208-010E
canister	3	5 l	00-208-050E

Spectrum of Efficacy and Contact Times			
Hygiene levels and contact times / Spectrum of action	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection	1 min		

# DESCOSEPT SENSITIVE

## Alcoholic rapid disinfectant

PRESERVE



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

DESCOSEPT 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 the near patient area where a broad spectrum of activity is required. Besides providing effective disinfection within a very short time, the product has a very good material compatibility and leaves no streaks or visible residues.

**Composition**  
100 g solution contain: 45 g (53 % V/V) ethanol.

Single Unit	Unit	Content	REF
spray bottle	6	750 ml	00-323DS-0075E
bottle	12	1 l	00-323DS-010E
canister	3	5 l	00-323DS-050E

Spectrum of Efficacy and Contact Times			
Hygiene levels and contact times / Spectrum of action	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection with or without mechanical action	2 min	3 min	
Application recommendation for tuberculocidal surface disinfection with or without mechanical action		3 min	

# DESCOCEPT PUR

## Alcoholic rapid disinfectant

- Ready-to-use
- Residue-free
- Perfume-free

PRESERVE



DESCOCEPT 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. DESCOCEPT 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.

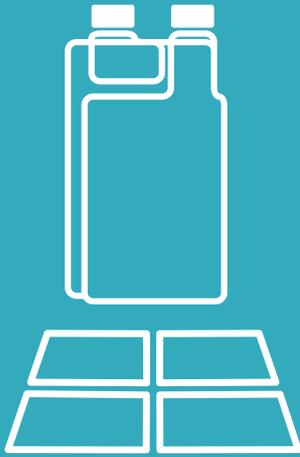
<b>Composition</b>			
100 g solution contain: 45 g (53 % V/V) ethanol.			

Single Unit	Unit	Content	REF
bottle	12	1 l	00-323-010E
canister	3	5 l	00-323-050E

Spectrum of Efficacy and Contact Times			
Hygiene levels and contact times / Spectrum of action	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection with mechanical action	5 min	5 min	
Application recommendation for surface disinfection without mechanical action	5 min	5 min	
Application recommendation for tuberculocidal surface disinfection		5 min	

## 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

Dr. Schumacher offers a wide range of highly effective disinfectant concentrates for surface disinfection and cleaning.

### The advantages

**Flexible:** The concentration and contact times can be individually tailored to the specific requirements.

**Practical:** With minimal soiling, cleaning and disinfection are possible in a single step.

**Efficient:** Greater volumes of solution can be prepared for large surface areas.

**Combinable:** Extremely user-friendly usage together with the Dr. Schumacher disinfection wipe systems.

Whether as a liquid or powder concentrate, the comprehensively effective Dr. Schumacher concentrates enable reliable and material-friendly surface disinfection from routine scenarios through to outbreaks.



	Area of Application			Properties			Active Ingredients				Spectrum of Activity						Form			
	Wipe disinfection	Rapid disinfection	Cleaning	Alcoholic	Alcohol-free	Perfume-free	QAC	Aldehyde	Alkylamines	peracetic acid	Bactericidal	Yeasticidal (C. albicans)	Fungicidal	Tuberculocidal	Sporicidal	Active against enveloped viruses	Limited spectrum virucidal activity	Virucidal	Concentrate	Ready-to-use
CLEANISEPT®	✓	✓	✓		✓	✓	✓				✓	✓				✓			✓	
BIGUANID FLÄCHE N	✓	✓	✓		✓		✓				✓	✓		✓		✓			✓	
OPTISAL® N	✓		✓		✓				✓		✓	✓		✓		✓			✓	
ULTRASOL® AF	✓		✓		✓		✓		✓		✓	✓		✓		✓			✓	
OPTISAL® PLUS	✓	✓	✓		✓	✓	✓		✓		✓	✓	✓	✓		✓	✓		✓	
ULTRASOL® ACTIVE	✓	✓	✓		✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	

For full information on each spectrum of activity, please consult the corresponding production information sheet (PIF).

# CLEANISEPT®

Liquid concentrate for surface disinfection and cleaning

PREVENT



- Disinfection and 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.

**Composition**  
100 g solution contain: 3.33 g Didecylidimethyl ammonium chloride, 6.66 g Alkyl (C12-16) Dimethylbenzyl ammonium chloride.

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

Spectrum of Efficacy and Contact Times			
Hygiene levels and contact times / Spectrum of action	<b>PREVENT</b>	<b>PRESERVE</b>	<b>PROTECT</b>
Application recommendation for surface disinfection	2.5 % - 15 min 1 % - 60 min		

# BIGUANID FLÄCHE N

Liquid concentrate for surface disinfection and cleaning

PREVENT



- Strong cleaning power
- Pleasant odour
- 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.

**Composition**  
100 g solution contain: 16 g Alkyl (C12-16) Dimethylbenzyl ammonium chloride.

Single Unit	Unit	Content	REF
dosage bottle	10	1 l	00-201-010E
bottle	6	2 l	00-201-020E
canister	3	5 l	00-201-050E

Spectrum of Efficacy and Contact Times			
Hygiene levels and contact times / Spectrum of action	<b>PREVENT</b>	<b>PRESERVE</b>	<b>PROTECT</b>
Application recommendation for surface disinfection	0.75 % - 15 min 0.5 % - 60 min		
Application recommendation for tuberculocidal surface disinfection	2 % - 240 min		



# OPTISAL® N

## Liquid concentrate for surface disinfection and cleaning

PREVENT

- 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.



**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	00-214-010
canister	3	5 l	00-214-050

Spectrum of Efficacy and Contact Times			
Hygiene levels and contact times / Spectrum of action	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection	1 % - 15 min 0.5 % - 60 min		
Application recommendation for tuberculocidal surface disinfection	0,5 % - 60 min		

# ULTRASOL® AF

## Liquid concentrate for surface disinfection and cleaning

PREVENT



- Strong cleaning power
- Perfume-free
- Bactericidal, yeasticidal, tuberculocidal

ULTRASOL AF is a user-friendly concentrate for the disinfection and cleaning of medical devices, medical inventory and all kinds of surfaces. The product has a strong cleaning power and it contains neither aldehydes nor phenols. The use of ULTRASOL AF is especially recommended for all kinds of surfaces. Not suitable for non-ferrous metals and polycarbonates.

**Composition**  
100 g solution contain: 3.33 g Alkyl (C12-16) Dimethylbenzyl ammonium chloride, 1.68 g Didecylmethyl ammonium chloride, 1.1 g N-(3-aminopropyl)-N-dodecylpropan-1,3-diamine.

Single Unit	Unit	Content	REF
canister	3	5 l	00-204AF-050E

Spectrum of Efficacy and Contact Times			
Hygiene levels and contact times / Spectrum of action	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection	2.5 % - 15 min 1 % - 60 min		
Application recommendation for tuberculocidal surface disinfection	5 % - 120 min		

# OPTISAL® PLUS

## Liquid concentrate for surface disinfection and cleaning

PRESERVE



- 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 the following non-enveloped viruses: adenovirus, norovirus and rotavirus. OPTISAL PLUS is also very effective against mycobacteria and fungi. Its innovative composition ensures streak-free drying. OPTISAL PLUS is odor and perfume-free.

**Composition**  
 100 g solution contain: 6.6 g Alkyl(C12-16) Dimethylbenzyl ammonium chloride, 2.3 g Didecyl dimethyl ammonium chloride, 7.2 g N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine.

Single Unit	Unit	Content	REF
dosage bottle	10	1 L	00-245-010E
canister	3	5 l	00-245-050E

Spectrum of Efficacy and Contact Times			
Hygiene levels and contact times / Spectrum of action	PREVENT	PRESERVE	PROTECT
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	

# ULTRASOL® ACTIVE

## Powder concentrate for surface disinfection

PROTECT



Sporicidal (*B. subtilis*) acc. to EN17126 at 2% in 15 min

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

ULTRASOL ACTIVE is a highly effective powder concentrate with an excellent efficacy for disinfecting and cleaning of all types of surfaces. ULTRASOL ACTIVE is a low dusting powder and therefore especially reliable and safe in dosage. ULTRASOL ACTIVE is suited for surface disinfection in the routine when an increased efficacy is necessary as well as for surface disinfection in outbreak cases. ULTRASOL ACTIVE achieves the highest efficacy range due to the in a mild alkaline solution generated active agent peracetic acid. This product realizes 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 odorless product is especially suitable for disinfection in areas where maximum efficacy and outstanding cleaning performance are required.

**Active substance**  
 Peracetic acid (in-situ) > 750 mg/l (1 % solution).

Single Unit	Unit	Content	REF
sachet	100	20 g	00-255-0002E
bucket	6	1 kg	00-255-010E

Spectrum of Efficacy and Contact Times			
Hygiene levels and contact times / Spectrum of action	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection	1 % - 5 min 0.5 % - 15 min	1 % - 15 min	
Application recommendation for tuberculocidal surface disinfection		2 % - 15 min	2 % - 15 min 1 % - 60 min
Application recommendation for sporicidal surface disinfection			



## 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. The following applies here: once the disinfected surface is visibly dry, it can be used again irrespective of the one-hour contact time. Most microorganisms 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.



# Surface

## Rapid Disinfection Wipes

The rapid disinfectant wipes from Dr. Schumacher are the ideal choice for rapid and simple cleaning and disinfection of surfaces. Depending on the size of the surfaces to be disinfected, Dr. Schumacher offers wipes in various formats.

### The advantages

**Time-saving:** The time-consuming preparation of solutions is not required.

**Safe:** Staff benefits from exceptional user safety. Incorrect dosing is ruled out.

**Convenient:** The wipes can be used straight away once the packaging has been opened and are user-friendly.

**Economic:** Can be used for up to 3 months after opening.

**Motivating:** Uncomplicated single use boosts motivation to perform disinfection.

The rapid disinfectant wipes from Dr. Schumacher impress both in routine use and in scenarios with greater demands in terms of effectiveness.



	Area of Use		Properties			Active Ingredients	Spectrum of Activity							Form	
	Rapid disinfection	Cleaning	Alcoholic	Alcohol-free	Perfume-free		QAC	Bactericidal	Yeasticidal (C. albicans)	Fungicidal	Tuberculocidal	Sporicidal	Active against enveloped viruses		Limited spectrum virucidal activity
CLEANISEPT® WIPES	✓	✓		✓	✓	✓	✓	✓				✓			✓
CLEANISEPT® WIPES MAXI	✓	✓		✓	✓	✓	✓	✓				✓			✓
DESCOCEPT SPEZIAL WIPES	✓	✓		✓	✓	✓	✓	✓				✓			✓
DESCOCEPT SENSITIVE WIPES	✓	✓	✓		✓		✓	✓		✓		✓	✓		✓
DESCOCEPT PUR WIPES RTU	✓	✓	✓		✓		✓	✓		✓		✓	✓		✓
CLEANISEPT® WIPES FORTE	✓	✓		✓	✓	✓	✓	✓	✓				✓	✓	✓
CLEANISEPT® WIPES FORTE MAXI	✓	✓		✓	✓	✓	✓	✓	✓				✓	✓	✓

For full information on each spectrum of activity, please consult the corresponding production information sheet (PIF).



# CLEANISEPT® WIPES

Alcohol-free wipes for rapid disinfection

PREVENT

- 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.

**Composition**  
100 g solution contain: 0.25 g Didecylidimethyl ammonium chloride, 0.5 g Alkylbenzylidimethyl ammonium chloride.

Single Unit	Unit	Content	Size	REF
dispenser box	12	100 wipes	14 x 20 cm	00-208-D100E
refill	12	100 wipes	14 x 20 cm	00-208-R100-01

Spectrum of Efficacy and Contact Times			
Hygiene levels and contact times / Spectrum of action	<b>PREVENT</b>	<b>PRESERVE</b>	<b>PROTECT</b>
Application recommendation for surface disinfection	1 min		



# CLEANISEPT® WIPES MAXI

Alcohol-free wipes for rapid disinfection

PREVENT

- 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 kinds of surfaces in all routine areas. CLEANISEPT WIPES MAXI offer a universal and time-saving application for the disinfection and cleaning of larger surfaces. The solution is alcohol-free and free of aldehydes and phenols. The wipes can be extracted individually from the resealable and user-friendly flowpack.

**Composition**  
100 g solution contain: 0.25 g Didecylidimethyl ammonium chloride, 0.5 g Alkylbenzylidimethyl ammonium chloride.

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

Spectrum of Efficacy and Contact Times			
Hygiene levels and contact times / Spectrum of action	<b>PREVENT</b>	<b>PRESERVE</b>	<b>PROTECT</b>
Application recommendation for surface disinfection	1 min		



# DESCOCEPT SPEZIAL WIPES

Alcohol-free wipes for rapid disinfection

PREVENT



- Universal, comfortable and time-saving application in a familiar 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 kinds of surfaces in all routine areas. 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 wipe dispenser system with the resealable lid. DESOTEX preparation wipes are provided with every refill package to enable a manual and hygienic preparation before refilling the wipe dispenser.



**Composition**  
100 g solution contain: 0.25 g Didecylidimethyl ammonium chloride, 0.5 g Alkylbenzylidimethyl ammonium chloride.

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

### Spectrum of Efficacy and Contact Times

Hygiene levels and contact times / Spectrum of action	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection	1 min		

## CONTAMINATED SURFACES IN HOSPITALS

The risk of pathogens being transmitted by surfaces is often underestimated. In order to determine the risk of infection from surfaces in hospitals, a study examined the frequency of hand contacts in a patient's room. Within the scope of the study, it was determined which surfaces were touched most frequently by staff, patients and visitors.

### Places where SARS-CoV-2 was frequently detected

According to experimental studies and practical tests from COVID-19 hospitals and laboratories, anorganic surfaces are frequently contaminated with SARS-CoV-2.

### One study confirmed the presence of SARS-CoV-2 on frequently touched surfaces primarily:

Pagers	50 %
Control knobs for water dispensers	50 %
Elevator buttons	42 %
Computer mice	40 %
Telephones	40 %
Computer keys	33 %

Sources:  
Cheng et al. Hand-touch contact assessment of high-touch and mutual-touch surfaces among healthcare workers, patients, and visitors. *Journal of Hospital Infection* 2015; 90: 220 – 225.

Wu S et al. Environmental contamination by SARS-CoV-2 in a designated hospital for coronavirus disease 2019. *American Journal of Infection Control* 00 (2020) 1–5.



**Composition**  
100 g solution contain: 45 g (53 % V/V) ethanol.

Single Unit	Unit	Content	Size	REF
flowpack	6	100 wipes	20 x 22 cm	00-323DS-T100E

# DESCOCEPT SENSITIVE WIPES

Alcohol-impregnated wipes for rapid disinfection

PRESERVE

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

DESCOCEPT SENSITIVE WIPES are alcoholic, ready-to-use wipes for disinfection and cleaning of medical devices and medical inventory as well as all kinds of surfaces, especially sensitive surfaces. DESCOCEPT SENSITIVE WIPES offer a universal and time-saving application for the disinfection and cleaning 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 wipes and impregnating solution. Therefore, they offer effective, yet gentle and streak-free disinfection within a short time.

**Spectrum of Efficacy and Contact Times**

Hygiene levels and contact times / Spectrum of action	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 (53% V/V) Ethanol.

Single Unit	Unit	Content	Size	REF
dispenser and roll	1	120 wipes	17,5 x 36 cm	00-323-ERS120
refill pack	2	120 wipes	17,5 x 36 cm	00-323-RS120

# DESCOCEPT PUR WIPES RTU

Alcoholic wipes for rapid disinfection

PRESERVE

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

DESCOCEPT 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 near patient areas. DESCOCEPT 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 wipe dispenser system with re-sealable lid. DESOTEX preparation wipes are provided with every refill package to enable hygienic preparation before refilling the wipe dispenser system.

**Spectrum of Efficacy and Contact Times**

Hygiene levels and contact times / Spectrum of action	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection	5 min	5 min	
Application recommendation for tuberculocidal surface disinfection		5 min	



# CLEANISEPT® WIPES FORTE

Alcohol-free wipes for rapid disinfection

PROTECT

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

CLEANISPT 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 are 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.



**Composition**  
100 g solution contain: 0.2 g Didecylidimethyl ammonium chloride, 0.4 g Alkyl (C12-16) Dimethylbenzyl ammonium chloride.

Single Unit	Unit	Content	Size	REF
dispenser box	12	100 wipes	14 x 20 cm	00-235-D100E

Spectrum of Efficacy and Contact Times			
Hygiene levels and contact times / Spectrum of action	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection of medical devices	2 min	2 min	2 min



# CLEANISEPT® WIPES FORTE MAXI

Alcohol-free wipes for rapid disinfection

PROTECT

- 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.



**Composition**  
100 g solution contain: 0.2 g Didecylidimethyl ammonium chloride, 0.4 g Alkyl (C12-16) dimethylbenzyl ammonium chloride.

Single Unit	Unit	Content	Size	REF
flowpack	6	100 wipes	20 x 22 cm	00-235-T100E

Spectrum of Efficacy and Contact Times			
Hygiene levels and contact times / Spectrum of action	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection	2 min	2 min	2 min



# Surface

## Disinfection Wipe Systems

The disinfection wipe systems from Dr. Schumacher in combination with the high-quality wipe rolls enable rapid, flexible and particularly economic surface disinfection.

### **The advantages**

**Flexible:** Can be filled with all Dr. Schumacher concentrates thus offering a wide range of options in terms of contact time and effectiveness.

**Safe:** The single-use wipes reduce the risk of cross-contamination.

**Economic:** Maximum active agent application thanks to coordinated Dr. Schumacher wipes and surface disinfectants.

**Efficient:** Ready for use after just 15 minutes of saturation and with a standing time of up to 42 days.

With its proven reusable disinfection wipe systems and unbeatably safe single-use disinfection wipe systems for use in high-risk areas, Dr. Schumacher offers the right system for all demands.



	Type of System		Area of Application		Standing Time		Content	Format
	Disposable non-woven wipe dispenser system	Reusable non-woven wipe dispenser system	No risk area	Risk area	28 days	42 Days <sup>1</sup>	Wipes per roll	Wipe size in cm
ONE SYSTEM <sup>+</sup> PLUS	✓		✓	✓		✓	100	30 x 32
ONE SYSTEM BASIC	✓		✓	✓		✓	120	17.5 x 36
DESCO WIPES		✓	✓		✓		50	30 x 32
		✓	✓		✓		100	30 x 32
DESCO WIPES SMALL		✓	✓		✓		70	25 x 25
ECO WIPES		✓	✓		✓		50	30 x 32
		✓	✓		✓		100	30 x 32

<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, DESCOSEPT AF, DESCOSEPT FORTE and CLEANSISEPT® from Dr. Schumacher achieved a impregnation time of only 15 minutes and an increased standing time for the filled system of 42 days.



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

Disposable non-woven dispenser system for filling with disinfectant

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

When used with

**OPTISAL PLUS | BIGUANID FLÄCHE N**  
**CLEANISEPT | OPTISAL N**  
**DESCOCEPT PUR | DESCOCEPT SENSITIVE**



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 it 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 non-woven wipe roll is finished, the system is not reprocessed but can be disposed of directly after any residue is removed. ONE SYSTEM PLUS is designed for single use and prevents possible contamination resulting from reprocessing and reuse. 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.

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 impregnation 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.

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.

Disinfectant	Standing Time 42 Days <sup>1</sup>	4-Field Test <sup>a</sup>	Use also in Areas with special Risk of Infection <sup>b</sup>
OPTISAL PLUS	✓	✓	✓
BIGUANID FLÄCHE N	✓	✓	✓
CLEANISEPT	✓	✓	✓
OPTISAL N	✓	✓	✓
DESCOCEPT PUR	✓	✓	✓
DESCOCEPT SENSITIVE	✓	✓	✓

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

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



Single Unit	Unit	Content	Size	REF
dispenser system	2	100 wipes	30 x 32 cm	00-915-OSEE100
wall holder	1	-	-	00-902-OSP

<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 N, CLEANISEPT, OPTISAL N, DESCOCEPT PUR and DESCOCEPT SENSITIVE from Dr. Schumacher achieved a presaturation time of only 15 minutes and an increased standing time of the filled system of 42 days.

## SIMPLY ECONOMICAL



- + Only 15 min pre-soaking time through Quick-Start technology<sup>1</sup>
- + Less waste due to 50 % longer standing time<sup>1</sup>
- + Disposable system: no time consuming reprocessing
- + Foldable lightweight design of single origin polypropylene for easy disposal

## SIMPLY SAFE



- + Disposable concept to prevent reprocessing errors as well as contamination
- + Particularly easy and save application for the hectic daily routine in hospitals
- + Transparent dispenser design for visible fill level
- + Re-closable opening for practical filling and wipe removal

## SIMPLY RELIABLE



- + Prefilled with compatibility tested DESOTEX wipes
- + Considerably fewer preparation steps compared with other reusable or disposable systems
- + Quick availability due to shorter pre-soaking time<sup>1</sup>
- + 100 large wipes (32 cm x 30 cm) for large area coverage





## SIMPLY ECONOMICAL

- Only 15 min pre-soaking time through Quick-Start technology<sup>1</sup>
- Less waste due to 50 % longer standing time<sup>1</sup>
- Disposable system: no time consuming reprocessing

## SIMPLY SAFE

- Easy and safe wipe removal
- Disposable concept to prevent reprocessing errors as well as contamination
- Particularly easy and save application for the hectic daily routine in hospitals
- Transparent dispenser design for visible fill level
- easy and safe wipe removal

## SIMPLY RELIABLE

- Precise instructions – illustrations show preparation of the system
- Important data at one glance – all relevant information is on the front of the product
- Stable construction: flexible dispenser with the stability of the common wipe dispenser



## ONE SYSTEM BASIC

Single use wipe dispenser for filling with disinfectants

- Compact flexible packaging with increased stability for especially easy use and fill level control
- Filled with DESOTEX non-woven wipes for impregnation with disinfectants
- Ready-for-use after 15 minutes<sup>1</sup> – also in areas with an especially high risk of infection – with a standing time of 42 days

When used with

**OPTISAL® PLUS | BIGUANID FLÄCHE N**  
**CLEANISEPT® | OPTISAL® N**  
**DESCOCEPT SENSITIVE**



**ONE SYSTEM BASIC** is a single use wipe dispenser system for the disinfection of medical devices and medical inventory as well as all kinds of surfaces. **ONE SYSTEM BASIC** allows a practical and time-saving application. The particularly handy and compact single use wipe dispenser is simple, safe, efficient and quickly ready-to-use. The user can fill the system directly with the suited disinfectant and use it after a short, 15-minute impregnation time. The construction and handling is based on the common wipe dispenser, but in a flexible and space-saving design.

**ONE SYSTEM BASIC** is for single use only. It does not require any reprocessing after the end of the extended standing time of 42 days. After exhaustion / expiration and disposal of any remaining solution, the system can be disposed of.

Disinfectant	Standing Time 42 Days <sup>1</sup>	4-Field Test <sup>a</sup>	Use also in Areas with special Risk of Infection <sup>b</sup>
OPTISAL PLUS	✓	✓	✓
BIGUANID FLÄCHE N	✓	✓	✓
CLEANISEPT	✓	✓	✓
OPTISAL N	✓	✓	✓
DESCOCEPT SENSITIVE	✓	✓	✓

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

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



Single Unit	Unit	Content	Size	REF
dispenser system	4	120 wipes	17,5 x 36 cm	00-915-OSB120
wall holder	1	-	-	00-902-OSB

<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 N and CLEANISEPT from Dr. Schumacher achieved a presaturation time of only 15 minutes and an increased standing time of the filled system of 42 days.

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



# 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. DESOTEX reprocessing wipes are provided with every refill package to enable hygienic preparation before refilling the non-woven wipe 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
<b>DESCO WIPES</b>				
pack	3	100 wipes	30 x 32 cm	00-915-RD10003
pack	6	100 wipes	30 x 32 cm	00-915-RD10006
pack	3	50 wipes	30 x 32 cm	00-915-RD5003
<b>DESCO WIPES small</b>				
pack	3	70 wipes	25 x 25 cm	00-915-RD7003



# 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. DESOTEX reprocessing wipes are provided with every refill package to enable hygienic preparation before refilling the non-woven wipe dispenser.

Single Unit	Unit	Content	Size	REF
dispenser bucket	1	empty	-	00-915-SE001
dispenser bucket	6	empty	-	00-915-SE002
wall holder	1	-	-	00-902-EIM
<b>ECO WIPES</b>				
pack	3	100 wipes	30 x 32 cm	00-915-REW10003
pack	6	100 wipes	30 x 32 cm	00-915-REW10006
pack	3	50 wipes	30 x 32 cm	00-915-REW5003







# Hand and Skin

## Decontamination

The Dr. Schumacher products for the antimicrobial washing of patients' skin and hands contain the active agent chlorhexidine and are effective against bacteria, including multi-resistant pathogens such as MRSA and *A. baumannii*. A retrospective study shows: the whole body washing with chlorhexidine preparations resulted in a significant drop in acquisition and in the sepsis rate.

### The advantages

**Highly effective:** MRSA and other multi-resistant pathogens such as VRE, ESBL and MRGN are reliably inactivated.

**Efficient:** Antimicrobial wipes are not only handy but also save time.

The wash lotion with its mild surfactants and moisturizers as well as the non-woven wipes saturated in mild solution are extremely kind to the skin and thus also ideal for patients with sensitive skin.

Source:  
Borer, A., et al., Impact of 4% chlorhexidine whole-body washing on multidrug-resistant *Acinetobacter baumannii* skin colonisation among patients in a medical intensive care unit. *J Hosp Infect*, 2007, 67(2): p. 149-55.



	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	Without alcohol	pH skin neutral	Lipid replenishing	Perfume-free	Colourant-free
DECONTAMAN PRE SOFT	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
DECONTAMAN PRE WIPES	✓			✓	✓		✓	✓	✓	✓	✓			✓
DECONTAMAN PRE CAP	✓		✓	✓	✓		✓	✓	✓	✓	✓			✓

For full information on each spectrum of activity, please consult the corresponding production information sheet (PIF).

VAH



# DECONTAMAN PRE SOFT

Antimicrobial washing lotion

AVAILABLE  
IN Q3/2021

- 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.

**Composition**  
100 g solution contains: 2.0 g chlorhexidine digluconate;  
1.5 g 2-phenoxyethanol

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

Spectrum of Efficacy and Contact Times			30 s	1 min
<b>Bacteria and Yeasts</b>				
application recommendation for hygienic handwash*	EN 1499/VAH	dirty conditions		●
<b>Viruses</b>				
activity against enveloped viruses	EN 14476	dirty conditions		●
<b>Additional EN Test Results</b>				
bactericidal	EN 13727	dirty conditions	●	
yeasticidal ( <i>C. albicans</i> )	EN 13624	dirty conditions		●

\*including phase 2 step 1 and phase 2 step 2 tests (quantitative suspension tests and quantitative carrier tests)

## WHOLE-BODY WASHING

Patient washing and antimicrobial cleansing with ready-to-use washing wipes and gloves

### 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.

### Chest/stomach

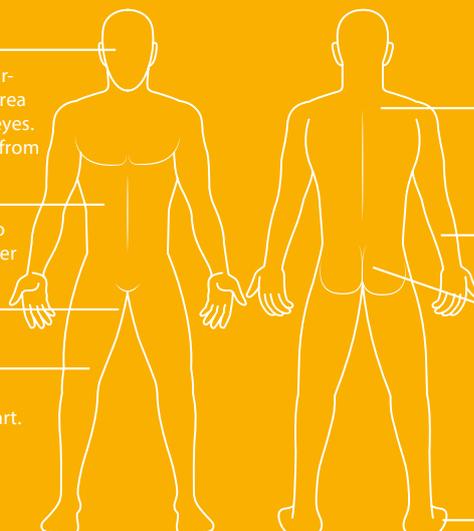
Remove clothing from upper body and wash torso from the neck down to the belly button. Keep lower body warm.

### Genital area

Perform intimate care.

### Legs

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



### 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.

### Arms

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

### Buttocks

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

### Feet

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

Suggested products:  
DECONTAMAN PRE SOFT,  
DECONTAMAN PRE WIPES, DECONTAMAN PRE CAP



# DECONTAMAN PRE WIPES

## Antimicrobial cleansing wipes

- Practical and quick use with highest quality non-woven, no rinsing necessary, microwaveable
- For presurgical, antimicrobial patient washing without additional water
- 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.

**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-T010

Spectrum of Efficacy and Contact Times			1 min	3 min	5 min
<b>Bacteria and Yeasts</b>					
bactericidal	EN 13727	clean conditions	•		
		dirty conditions			•
yeasticidal (C. albicans)	EN 13624	clean conditions		•	
		dirty conditions		•	



# DECONTAMAN PRE CAP

## Antimicrobial washing 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 the 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.



**Composition**  
100 g solution contain: 2 g Chlorhexidine digluconate.

Single Unit	Unit	Content	REF
cap	30	1 piece	00-530-H001

Spectrum of Efficacy and Contact Times			1 min	3 min	5 min
<b>Bacteria and Yeasts</b>					
bactericidal	EN 13727	clean conditions	•		
		dirty conditions			•
yeasticidal (C. albicans)	EN 13624	clean conditions		•	
		dirty conditions		•	



# Hand and Skin

## Hand Disinfection

The hand disinfectant range from Dr. Schumacher stands out with its large selection for various hand disinfection requirements and needs.

**The wide range of products**

**Spectrums of efficacy:** The right preparation for all efficacy requirements.

**Care substances:** Moisturizing ingredients protect the skin from drying out and promote skin health.

**Contact times:** Quick and safe even when faced with increased demands.

**Formulations:** Preparations which contain no perfume, colors or additives prevent skin irritations.

**Preparations:** Available as a liquid hand disinfectant or in a handy gel format.

The effectiveness and safety of the ethanol- and propanol-based formulas have been proven.



	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	Effective against Enveloped Viruses and additional non-enveloped Viruses	Virucidal	Lipid replenishing	Perfume-free	Colourant-free	No additives
<b>ASEPTOMAN®</b>	✓	✓			✓	✓			✓		✓	
<b>DESCODERM</b>	✓	✓	✓		✓	✓				✓	✓	✓
<b>ASEPTOMAN® MED</b>	✓	✓		✓		✓	✓		✓	✓	✓	
<b>ASEPTOMAN® FORTE</b>	✓	✓		✓		✓	✓	✓	✓	✓	✓	
<b>ASEPTOMAN® GEL</b>	✓	✓		✓		✓	✓	✓	✓	✓	✓	

For full information on each spectrum of activity, please consult the corresponding production information sheet (PIF).



# ASEPTOMAN®

## Alcoholic hand disinfectant

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

PREVENT

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.

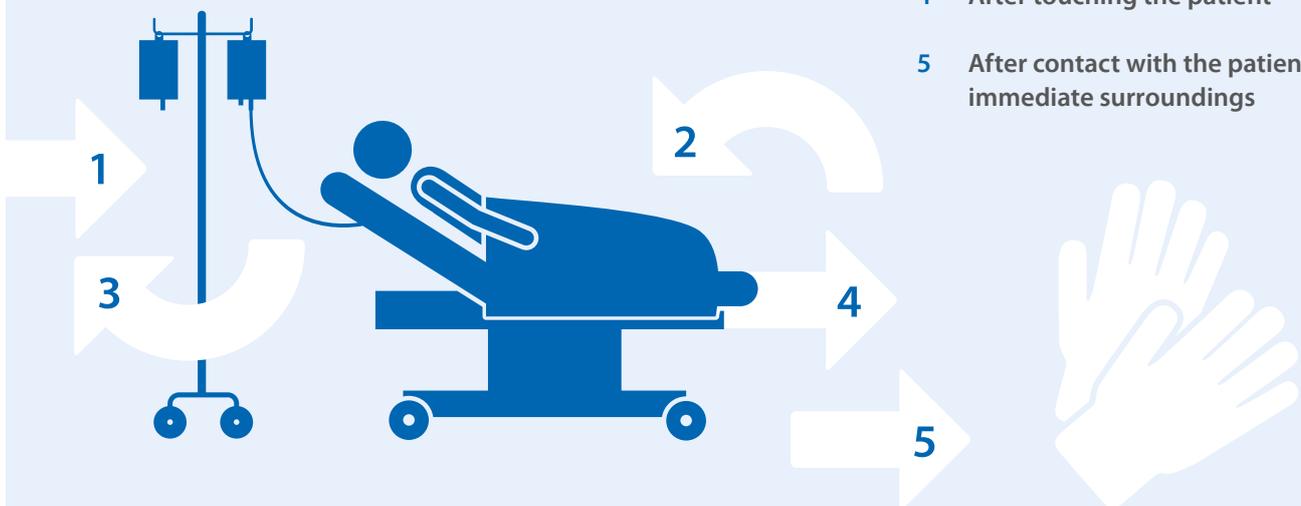
**Composition**  
100 g solution contain: 63.14 g (70 % V/V) 2-Propanol.

Single Unit	Unit	Content	REF
pocket-sized bottle	20	150 ml	00-403-0015E
bottle	20	500 ml	00-403-005E
bottle	12	1 l	00-403-010E
canister	3	5 l	00-403-050E

Spectrum of Efficacy and Contact Times			
Hygiene levels and contact times / Spectrum of action	PREVENT	PRESERVE	PROTECT
Application recommendation for hygienic hand disinfection	30 s		
Application recommendation for surgical hand disinfection	1.5 min		

## 5 Moments for Hand Hygiene

- 1 Before touching the patient
- 2 Before aseptic activities
- 3 After contact with potentially infectious material
- 4 After touching the patient
- 5 After contact with the patient's immediate surroundings





## DESCODERM

### Alcoholic hand disinfectant

- Bactericidal, yeasticidal, tuberculocidal
- Effective against all enveloped viruses
- Free of perfume and potentially allergenic additives

Alcoholic, perfume-free disinfectant to be rubbed into the skin and hands. **DESCODERM** contains no persistent long-term acting ingredients or other additives which might have an irritating or sensitizing effect on the skin. Dermatologically recommended for the disinfection of hands and skin of people prone to allergy and persons with sensitive skin.

PREVENT

#### Composition

100 g solution contain: 63.1 g (70 % V/V) 2-Propanol.

Single Unit	Unit	Content	REF
pocket-sized bottle	20	150 ml	00-401-0015E
pump spray bottle	20	250 ml	00-401-0025E
bottle	20	500 ml	00-401-005E
bottle	12	1 l	00-401-010E
canister	3	5 l	00-401-050E

#### Spectrum of Efficacy and Contact Times

Hygiene levels and contact times / Spectrum of action	PREVENT	PRESERVE	PROTECT
Application recommendation for hygienic hand disinfection	30 s		
Application recommendation for surgical hand disinfection	1.5 min		



## ASEPTOMAN® MED

### Alcoholic hand disinfectant

- Limited spectrum virucidal activity PLUS
- 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 effective against noro-, rota- and adenovirus 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 of 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.

PRESERVE

#### Composition

100 g solution contain: 65 g (72 % V/V) Ethanol.

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

#### Spectrum of Efficacy and Contact Times

Hygiene levels and contact times / Spectrum of action	PREVENT	PRESERVE	PROTECT
Application recommendation for hygienic hand disinfection	30 s	30 s	
Application recommendation for surgical hand disinfection	2 min	2 min	



# ASEPTOMAN® FORTE

Alcoholic hand disinfectant

PROTECT

- Virucidal in 30 seconds
- Perfume-free, especially skin-caring with glycerin and moisturiser
- 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 PLUS 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.

**Composition**  
100 g solution contain: (89,5 % V/V) ethanol.

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

Spectrum of Efficacy and Contact Times			
Hygiene levels and contact times / Spectrum of action	PREVENT	PRESERVE	PROTECT
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



# ASEPTOMAN® GEL

Alcoholic hand disinfectant

PROTECT

- Bactericidal, tuberculocidal, yeasticidal, virucidal
- Effective against noroviruses
- 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 of cumulative long-term acting ingredients that might have an irritating or sensitizing effect on the skin. Compatible with all washing lotions. Free of aldehydes, phenols and quaternary ammonium compounds.

**Composition**  
100 g solution contain: 80.8 g (85 % V/V) Ethanol.

Single Unit	Unit	Content	REF
pocket-sized bottle	20	150 ml	00-409-0015E
bottle	20	500 ml	00-409-005E
bottle	12	1 l	00-409-010E

Spectrum of Efficacy and Contact Times			
Hygiene levels and contact times / Spectrum of action	PREVENT	PRESERVE	PROTECT
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



## REMNANT EFFECTS IN HYGIENIC HAND DISINFECTION

Numerous hand disinfection formulations on the market claim to have a remnant effect, but is this what we need? Many customers think, yes, these are exactly the products we want, it makes hand hygiene simpler and safer. But is this true?

A bulletin by the Robert Koch Institute in 2016 states: "This includes the addition of antiseptic active substances to alcohol-based formulations with the aim of inducing a sustained effect (residual action), e.g. chlorhexidine, octenidine, polyhexanide, quaternary ammonium compounds, 2-phenylphenol or triclosan. However, an improvement in the effectiveness has not been demonstrated to date for either hygienic or surgical hand disinfection. On the other hand, the frequent use of such combinations may, depending on the active substance, increase the risk of intolerances or even induce the development of resistance:"

Prof. Dr. med Günter Kampf of the Institute for Hygiene and Environmental Medicine also discusses this topic in his Book "Kompendium Händehygiene", published in 2017. To quote him: "A remnant effect of hand hygiene products which contain non-volatile substances cannot be scientifically proven as of yet."

A thought he raises, is that staff thinking they have used a remnant product may not be as particular about compliance in hand hygiene.

When it comes to surgical hand disinfection, a sustained effect is required. EN 12791 tests gloved skin immediately and after 3 hours, therefore a prolonged effect is required.

In conclusion, alcoholic hand disinfectants do not need any additional substances to reach a remnant effect, since this is yet to be demonstrated.

### References:

Robert Koch Institut Epidemiologisches Bulletin 2. Mai 2016 / Nr. 17, Wirkstoffe der alkoholischen Händedesinfektionsmittel – ein Beitrag zum Internationalen Tag der Hygiene.

Kompendium Händehygiene, Prof. Dr. med. Günter Kampf, 1. Auflage 2017



# Skin

## Skin Disinfection

The Dr. Schumacher preparations for skin antiseptics serve to reduce the skin flora to the greatest possible extent. Germ transmission into deeper tissue layers, e.g., during punctures, injections and surgical interventions are demonstrably prevented.

### **The specific performance profile**

**Effective:** Highly effective against bacteria which are the most frequent cause of wound infections thanks to the alcoholic active agent 2-propanol .

**Rapid:** A rapid effect is achieved on both skin which is rich and skin which is poor in sebaceous glands.

The colored and colorless skin disinfection preparations from Dr. Schumacher are ready-to-use and are also extremely kind to the skin.



	Application Areas				2-Propanol	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		Effective against Enveloped Viruses	Bactericidal, yeasticidal, tuberculocidal	Lipid replenishing	Perfume-free	Colourant-free
<b>ASEPTODERM® 2 % CHG</b>	✓	✓	✓	✓	✓	✓	✓		✓	✓
<b>ASEPTODERM® 2 % CHG COLOURED</b>	✓	✓	✓	✓	✓	✓	✓		✓	
<b>ASEPTODERM®</b>	✓	✓	✓	✓	✓	✓	✓			✓
<b>ASEPTODERM® COLOURED</b>	✓	✓	✓	✓	✓	✓	✓			

For full information on each spectrum of activity, please consult the corresponding production information sheet (PIF).



## 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.

**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	12	1 l	00-520-010E

Spectrum of Efficacy and Contact Times		15 s	1 min	3 min
<b>Skin Disinfection</b>				
skin disinfection with 3-hour long-term effect	EN 12791			●
active against all enveloped viruses	EN 14476	●		
<b>Additional EN Test Results</b>				
bactericidal	EN 13727		●	
yeastocidal (Candida albicans)	EN 13624		●	



## 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.

**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	12	1 l	00-520C-010E

Spectrum of Efficacy and Contact Times		15 s	1 min	3 min
<b>Skin Disinfection</b>				
skin disinfection with 3-hour long-term effect	EN 12791			●
active against all enveloped viruses	EN 14476	●		
<b>Additional EN Test Results</b>				
bactericidal	EN 13727		●	
yeastocidal (Candida albicans)	EN 13624		●	



## ASEPTODERM®

### Alcoholic skin disinfectant

- Bactericidal, yeasticidal, tuberculocidal
- Active against all enveloped viruses incl. HBV/HIV/HCV
- Especially gentle to the skin

Ready-to-use, alcoholic skin disinfectant. For skin disinfection prior to injections, incisions, punctures, blood withdrawals, catheter insertions and minor surgical interventions in inpatient and outpatient settings as well as private practice. In addition, the preparation can also be used for preoperative skin disinfection. Good skin compatibility as free of persistent longterm active ingredients. Filtered free from spores.

#### Composition

100 g solution contain: 63.14 g (70 % V/V) 2-Propanol.

Single Unit	Unit	Content	REF
spray bottle	20	250 ml	00-501-0025E
bottle	20	500 ml	00-501-005E
bottle	10	1 l	00-501-010E
canister	3	5 l	00-501-050E

Spectrum of Efficacy and Contact Times		15 s	30 s	1.5 min
<b>Skin Disinfection</b>				
skin disinfection	EN 12791			•
active against all enveloped viruses	RKI / DVV	•		
<b>Additional EN Test Results</b>				
tuberculocidal (M. terrae)	EN 14348		•	
bactericidal	EN 13727	•		
yeasticidal (Candida albicans)	EN 13624	•		

\* including phase 2 step 1 and phase 2 step 2 tests (quantitative suspension tests and quantitative carrier tests)



## ASEPTODERM® COLOURED

### Coloured alcoholic skin disinfectant

- Bactericidal, tuberculocidal, yeasticidal
- Active against all enveloped viruses incl. HBV/HIV/HCV
- Exceptionally kind to the skin

Ready-to-use, alcoholic skin disinfectant. ASEPTODERM COLOURED is colored to mark the area which has been disinfected and its primary use is in preoperative skin disinfection. In addition, ASEPTODERM COLOURED can be used for skin disinfection prior to injections, incisions, punctures, blood withdrawals, catheter insertions and minor surgical interventions. Free of persistent long-term active ingredients. Aldehyde-, phenol- and QAC-free.

#### Composition

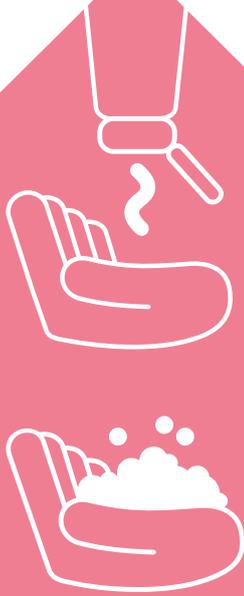
100 g solution contain: 63.14 g (70 % V/V) 2-Propanol.

Single Unit	Unit	Content	REF
spray bottle	20	250 ml	00-502-0025E
bottle	10	1 l	00-502-010E

Spectrum of Efficacy and Contact Times		15 s	30 s	1.5 min
<b>Skin Disinfection</b>				
skin disinfection	EN 12791			•
active against all enveloped viruses	RKI / DVV	•		
<b>Additional EN Test Results</b>				
tuberculocidal (M. terrae)	EN 14348		•	
bactericidal	EN 13727	•		
yeasticidal (Candida albicans)	EN 13624	•		

\* 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.



# Hand and Skin

## Cleansing, care and protection

With its newly developed DESCOLIND series, Dr. Schumacher is setting standards in hand cleaning, care and protection. The modern formulas used for the preparations in the three series, COMFORT, PURE and EXPERT, have been specially tailored to the needs of different skin conditions.

### **The performance profile of the three DESCOLIND series**

**COMFORT:** The cleansing, care and protection products in this series are suited for users with normal skin.

**PURE:** This series for cleansing and care as well as skin protection offers products which are free from dyes and perfumes. It is recommended for dry and sensitive skin types.

**EXPERT:** This hypoallergenic series is targeted at users with demanding skin types and who are prone to allergies.

Should skin types change over the course of time, users can switch flexibly between the various series.

	Contents						Product Properties							Application Area				
	Humectants	Lipid replenishers and/or botanical oils	Skin-regenerating care agents	Silicone-free	Colourant-free	Perfume-free	Type of emulsion	pH skin neutral	Cream	Lotion	Suitable for dispensers	Cooling effect	Number of wipes/gloves	Hypoallergenic formulation	Normal skin	Dry skin	Very dry skin	Sensitive skin
DESCOLIND COMFORT WASH	✓		✓	✓				✓			✓				✓			
DESCOLIND COMFORT LIGHT CREAM	✓	✓	✓	✓	✓		O/W	✓		✓	✓				✓			
DESCOLIND COMFORT INTENSIVE CREAM	✓	✓	✓	✓	✓		W/D	✓	✓		✓				✓			
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	✓		✓	✓				✓	✓	✓	✓
DESCOMED ÖLBAD		✓	✓	✓	✓										✓	✓		
DESCO VITAL		✓		✓	✓			✓		✓	✓	✓			✓	✓		
DESODERM CARE WIPES	✓		✓	✓	✓	✓						18 x 20	✓	✓	✓	✓	✓	✓
BABY WIPES SENSITIVE	✓		✓	✓	✓	✓						18 x 20		✓	✓	✓	✓	✓

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



# DESCOLIND COMFORT WASH

NEW in Q2/2021

Fragranced cleansing lotion - normal skin

- 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, moisturizers 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.



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

# DESCOLIND COMFORT LIGHT CREAM

NEW in Q2/2021

Fragranced nourishing cream - normal skin

- 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 very rich 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 conditioning 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	00-602-001-03
bottle	20	500 ml	00-602-005-03

# DESCOLIND COMFORT INTENSIVE CREAM

NEW in  
Q2/2021

Fragranced intensive nourishing cream - normal and dry skin

- W/O emulsion for normal skin
- Protects the skin from water-soluble substances
- Intensive skincare with vitamin E, glycerin and beeswax

DESCOLIND COMFORT INTENSIVE CREAM is a very rich water-in-oil (W/O) emulsion for normal skin. DESCOLIND COMFORT INTENSIVE 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 a W/O emulsion DESCOLIND COMFORT INTENSIVE CREAM protects the skin from water-soluble substances and is therefore ideal for medical staff. The intensive, conditioning formula with vitamin E, glycerin, and beeswax provides the skin with the nourishment it needs for regeneration.



Single Unit	Unit	Content	REF
tube	12	100 ml	00-622I-001
bottle	20	500 ml	00-622I-005

## DESCOLIND-PRODUCTS FOR CLEANSING, CARE AND PROTECTION

With the newly developed DESCOLIND-Products Dr. Schumacher is setting a new benchmark for cleansing, care and protection of hands. The Products of the three series COMFORT, PURE and EXPERT with their modern formulations are specifically adapted to the needs of different skin conditions. Professional users can easily and safely choose from the product series, depending on skin-type and individual needs.



## DESCOLIND PURE WASH

Fragrance-free cleansing lotion - sensitive skin

NEW in Q2/2021

- 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 conditioning ingredients and glycerin reduces drying of the skin during washing. The creamy, delicate DESCOLIND PURE WASH wash lotion cleans thoroughly and is economical to use. For washing patients and preparing baths. In addition, DESCOLIND PURE WASH is free of fragrance and colorants and is therefore suitable for use on intact, sensitive skin and for persons with allergies.



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

## DESCOLIND PURE LIGHT CREAM

Fragrance-free skin care cream - sensitive skin

NEW in Q2/2021

- O/W emulsion for sensitive skin
- Colorant and fragrance-free. With moisturizers and allantoin.
- Absorbs particularly quickly into the skin without being greasy

DESCOLIND PURE LIGHT CREAM is a colorant- and fragrance-free, very rich oil-in-water (O/W) emulsion for sensitive skin. 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 therefore 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 conditioning 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
bottle	20	500 ml	00-602DS-005

# DESCOLIND PURE INTENSIVE CREAM

NEW in  
Q2/2021

Fragrance-free intensive nourishing cream - sensitive and dry skin

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

DESCOLIND PURE INTENSIVE CREAM is a very rich, colorant- and fragrance-free water-in-oil (W/O) emulsion for sensitive skin. DESCOLIND PURE INTENSIVE 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 a W/O emulsion DESCOLIND PURE INTENSIVE CREAM protects the skin from water-soluble substances and is thus ideal for medical staff. The intensive, conditioning formula with vitamin E, glycerin, and beeswax provides the skin with the nourishment it needs for regeneration.



Single Unit	Unit	Content	REF
tube	12	100 ml	00-622IS-001
bottle	20	500 ml	00-622IS-005

## DESCOLIND-SERIES PERFORMANCE SPECIFICATION

Our new DESCOLIND-Series has three categories specifically formulated for different skin types.

**COMFORT:** Our Comfort-Series includes one cleansing and two care products, which have a light floral fragrance. It's suitable for users with normal to dry skin.

**PURE:** This series is recommend for dry and sensitive skin. Our PURE Series is free from colorants and perfume and includes one cleansing and two care products.

**EXPERT:** The hypoallergenic series is geared specifically towards the needs of users with special needs and allergy prone skin-types. The high quality of the ingredients has been proven by the German Allergy and Asthma Association.

When the skin condition changes over a period of time, users can shift between the different series. If need be the compatible products of the three series can of course be combined.





## DESCOLIND EXPERT WASH

Hypoallergenic cleansing lotion

NEW in Q2/2021

- 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.

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



## DESCOLIND EXPERT LIGHT CREAM

Hypoallergenic nourishing cream

NEW in Q2/2021

- 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. Skin health is maintained because of particularly high-quality ingredients. Humectants bind moisture in the skin and keep it supple. 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
tube	12	100 ml	00-620HC-001-01
bottle	20	500 ml	00-620HC-005-01

## DESCOLIND EXPERT INTENSIVE CREAM

NEW in  
Q2/2021

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 skincare 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 stress skin, to protect the hands during tasks involving contact with moisture 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.



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

## DESCOLIND EXPERT PROTECT CREAM

NEW in  
Q2/2021

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 skin feeling smooth and cared for. DESCOLIND EXPERT PROTECT CREAM is suitable for daily use prior to activities that stress skin, to protect the hands during tasks involving contact with moisture. 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) has been proven according to the latest test methods on human subjects. 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 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 to DESCOLIND EXPERT PROTECT CREAM. 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	00-623-001-01
bottle	20	500 ml	00-632-005

## DESCOMED ÖLBAD

### Medical oil bath

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

High-quality bath additive with valuable skin-caring oils such as rapeseed oil and jojoba oil which leave a caring protective film on the skin. **DESCOMED ÖLBAD** contains aloe vera and panthenol. **DESCOMED ÖLBAD** is therefore suitable as a bath additive to support the treatment of dry, irritated and scaly skin, for example in older patients with dry eczema.



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

## DESCO VITAL

### Vitalising gel for application on skin

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

**DESCO VITAL** is a hydrogel with essential oils from pine needles, eucalyptus, juniper berries and thyme to revitalise the skin. **DESCO VITAL** has a pleasant cooling, relaxing and invigorating effect after strenuous physical activity. It is ideally suited for sports and curative massages as well as general nursing care and all other medical areas where a comfortable relaxing and revitalising effect is desired. **DESCO VITAL** has a pleasant, fresh fragrance and is well tolerated by the skin as it contains pure ethanol based lipid-replenishing properties.



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



## DESODERM CARE WIPES

Caring cleansing wipes for sensitive skin

- Caring and cleansing
- 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.

Single Unit	Unit	Content	Size	REF
flowpack	12	80 wipes	18 x 20 cm	DT-639NK-T080



## BABY WIPES SENSITIVE

Cleansing wipes for mild baby care



- With aloe vera and allantoin
- Free of perfume and alcohol
- Hypoallergenic formulation, for sensitive skin

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. The wipes are very soft and allows a gentle cleansing. The wipes can be removed individually from the practical packaging with its resealable cover.

Single Unit	Unit	Content	Size	REF
flowpack	12	80 wipes	18 x 20 cm	01-639NK-T080



# Instruments

## Manual Disinfection and Reprocessing

The products for the manual cleaning and disinfection of medical devices are focused on ensuring rapid and reliable disinfection, a wide spectrum of efficacy and highly effective cleaning.

### **The advantages**

**Safe application:** Low percentage of hazardous substances and simple use ensure high occupational safety.

**Efficient:** The exceptional cleaning power and rapid disinfection effect accelerate working processes.

**Value-preserving:** Contamination is removed in a material-friendly manner.

In addition to the user-friendliness and material compatibility of the products, Dr. Schumacher also puts emphasis on environmental compatibility during development.



	Application				Area of use			Active ingredient				Special characteristics			Spectrum of activity				Form						
	Surgical instruments	Flexible endoscopes	Rigid endoscopes	TEE probes	Ultrasonic bath	Cleaning	Disinfection	Final virucidal disinfection	QAC	Alkylamines	Glutaraldehyde	Enzymes	Peracetic acid	Low odour	Material friendly	Corrosion protection	pH neutral	Bactericidal & Yeasticidal (C. albicans)	Fungicidal	Tuberculocidal	Sporicidal	activity against enveloped viruses	Virucidal	Concentrate	Ready-to-use
INSTRU PLUS**	✓	✓	✓			✓								✓	✓		✓							✓	
PERFEKTAN® EXTRA	✓	✓	✓		✓	✓	✓		✓					✓	✓	✓		✓		✓			✓	✓	
PLURAZYME EXTRA**	✓	✓	✓		✓	✓					✓			✓	✓		✓							✓	
PERFEKTAN® ENZYME	✓	✓	✓		✓	✓	✓		✓		✓			✓	✓		✓	✓				✓	✓	✓	
PERFEKTAN® TB	✓		✓		✓	✓	✓		✓					✓	✓	✓		✓				✓	✓	✓	
PERFEKTAN® ENDO	✓	✓	✓		✓	✓	✓		✓					✓	✓	✓		✓				✓	✓	✓	
PERFEKTAN® NEU	✓	✓	✓		✓	✓	✓			✓				✓	✓	✓		✓		✓		✓	✓	✓	
DESCOTON 2% GDA	✓	✓	✓	✓			✓				✓				✓			✓		✓		✓			✓
DESCOTON EXTRA*	✓	✓	✓				✓	✓		✓				✓	✓			✓		✓			✓	✓	
PERFEKTAN® ACTIVE*	✓	✓	✓	✓			✓	✓					✓	✓	✓	✓		✓	✓	✓	✓		✓	✓	
ORANGE SOLVENT**	✓				✓																				✓

\*\* not classified into the Dr. Schumacher hygiene levels  
 For full information on each spectrum of activity, please consult the corresponding production information sheet (PIF).



# INSTRU PLUS

## Liquid detergent cleaner for instruments and endoscopes



- pH-neutral and gentle to all materials
- Strong cleaning power and compatible with all instrument disinfectants
- Suitable for ultrasonic procedures

INSTRU PLUS is a particularly material-friendly product used for thorough cleaning of flexible and rigid endoscopes and all types of instruments. As a pH-neutral, aldehyde-free, tenside-based cleaner it is ideally suited to cleaning flexible endoscopes. INSTRU PLUS is listed by Pentax. In addition, the product makes an exceptionally good cleaning additive for our instrument disinfectants such as PERFEKTAN ENDO, PERFEKTAN NEU, PERFEKTAN TB, DESCOTON 2 % GDA and DESCOTON EXTRA. Suitable for use in ultrasonic baths.

**Composition**  
100 g solution contain: 5-15 % non-ionic surfactants, preservatives (benzalkoniumchloride).

Single Unit	Unit	Content	REF
bottle	6	2 l	00-104-020E
canister	3	5 l	00-104-050E

Dosage recommendation	
Application recommendation for cleaning of all kinds of surgical instruments	0.25 % - 5 %



# PERFEKTAN® EXTRA

## Disinfectant cleaner for instruments

PREVENT

- Aldehyde-free with excellent cleaning power
- High degree of material compatibility
- Antibacterial and virus inactivating cleaning in one step

PERFEKTAN EXTRA is a powerful instrument cleaner with excellent cleaning power and a high degree of material compatibility. PERFEKTAN EXTRA contains very efficient corrosion-inhibitors and is free of aldehydes and phenols. Due to its excellent cleaning power, an antibacterial and virus inactivating cleaning of instruments is possible in a single step. The aldehyde-free formulation prevents protein fixation.

**Composition**  
100 g solution contain: 5.63 g Didecylloxethylmethyl ammonium propionate. Contains: <5 % cationic surfactants, 5 - 15 % non-ionic surfactants.

Single Unit	Unit	Content	REF
bottle	6	2 l	00-144-020E
canister	3	5 l	00-144-050E

Spectrum of Efficacy and Contact Times			
Hygiene levels and contact times / Spectrum of action	PREVENT	PRESERVE	PROTECT
application recommendation for disinfecting cleaning with ultrasound	1 % - 5 min		
tuberculocidal efficacy (EN 14348)	5 % - 60 min		

NEW



## 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.

**Composition**

100 g solution contain: 5 – 15 % Non-ionic surfactants, Enzymes

Single Unit	Unit	Content	REF
bottle	12	1 l	00-138-010E
canister	3	5 l	00-138-050E

Concentration	Temperature	Soaking Time
0.4 % (4 ml/l) Recommended for ultrasonic baths	max. 40 °C	minimum 5 min
2 % (20 ml/l)	max. 40 °C	minimum 5 min

NEW



## 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 and selected surfactants, PERFECTAN 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, PERFECTAN ENZYME offers an advantage in terms of occupational safety. The neutral pH ensures good material compatibility and value retention of the medical devices. PERFECTAN ENZYME is also suitable for use in an ultrasonic bath. In addition, PERFECTAN ENZYME can be used for the reprocessing of flexible endoscopes and is fully compatible with THERMOSHIELD NR and THERMOSHIELD DESINFECTANT.

PREVENT



**Composition**

100 g contains: 0.5 g didecyl dimethyl ammonium carbonate; 17.5 g N, N-didecyl-N-methyl-poly(oxyethyl)ammonium propionate

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

Spectrum of Efficacy and Contact Times			
Hygiene levels and contact times / Spectrum of action	PREVENT	PROTECT	PROTECT
Application recommendation Disinfectant cleaner and all kinds of			

AVAILABLE in Q2/2021

## PERFEKTAN® TB

Aldehyde-free concentrate for instrument cleaning and disinfection

PREVENT



- Aldehyde-free preparation with strong cleaning power
- High degree of material compatibility
- Pleasant scent

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

**Composition**  
100 g solution contain: 3.75 g Cocosporylen diaminoguanidinium diacetate, 5.63 g Didecyloxethylmethyl ammonium propionate.

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

Spectrum of Efficacy and Contact Times			
Hygiene levels and contact times / Spectrum of action	PREVENT	PRESERVE	PROTECT
Application recommendation for disinfectant cleaning of all kinds of surgical instruments	3 % - 15 min 2 % - 30 min		
Application recommendation for disinfection of medical devices	1 % - 60 min		

## PERFEKTAN® ENDO

Aldehyde-free concentrate for instrument cleaning and disinfection

PREVENT



- High degree of material compatibility
- Ideal for disinfecting pre-cleaning of endoscopes
- Excellent cleaning power

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

**Composition**  
100 g solution contain: 3.75 g Cocosporylen diaminoguanidinium diacetate, 5.63 g Didecyloxethylmethyl ammonium propionate.

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			
Hygiene levels and contact times / Spectrum of action	PREVENT	PRESERVE	PROTECT
Application recommendation for disinfectant cleaning of flexible endoscopes and all kinds of surgical instruments	3 % - 15 min 2 % - 30 min		
Application recommendation for disinfection of medical devices	1 % - 60 min		
tuberculocidal efficacy EN14348	5 % - 60 min		



# PERFEKTAN® NEU

Aldehyde-free concentrate for instrument cleaning and instrument disinfection

PREVENT

- 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 PERFECTAN NEU, user safety is guaranteed. PERFECTAN NEU is ideally suited for the non-fixing cleaning of endoscopes as well as the use in ultrasound baths.

Spectrum of Efficacy and Contact Times			
Hygiene levels and contact times / Spectrum of action	PREVENT	PRESERVE	PROTECT
Application recommendation for disinfectant cleaning of flexible endoscopes and all kinds of surgical instruments	3% - 15 min 2% - 30 min		
Application recommendation for disinfection of medical devices	2% - 60 min		
tuberculocidal efficacy	2% - 60 min		

**Composition**  
100 g solution contain: 3.6 g N-(3-Aminopropyl)-N-dodecylpropane-1,3-diamine.

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

# DESCOTON 2 % GDA

Disinfectant for instruments

PREVENT

- Fast efficacy
- Ready-to-use
- Gentle to materials

DESCOTON 2 % GDA is a ready to use product and therefore easy in application. Due to its high material compatibility as well as its corrosion inhibitors it is especially suited for sensitive materials. Check your national requirements for endoscope reprocessing.



Spectrum of Efficacy and Contact Times			
Hygiene levels and contact times / Spectrum of action	PREVENT	PRESERVE	PROTECT
Application recommendation for disinfection of medical devices	5 min		
Mycobactericidal, tuberculocidal efficacy	15 min		

**Composition**  
100 g solution contain: 2.15 g Glutaral.

Single Unit	Unit	Content	REF
canister	3	5 l	00-135-050E



# DESCOTON EXTRA

Disinfectant for instruments and endoscopes

PROTECT



- Virucidal
- Formaldehyde-free concentrate
- Suitable for final disinfection

DESCOTON EXTRA is a fast acting, virucidal, liquid concentrate for disinfecting endoscopes and surgical instruments of all kinds. 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 of all kinds.

**Composition**  
 100 g solution contain: 12 g glutaral.  
 Contains: 5 - 15 % anionic surfactants.

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

Spectrum of Efficacy and Contact Times			
Hygiene levels and contact times / Spectrum of action	PREVENT	PRESERVE	PROTECT
Application recommendation for final disinfection of all kinds of semi-critical medical devices including rigid and flexible endoscopes			2,5 % - 60 min

# PERFEKTAN® ACTIVE

Powder concentrate for instrument disinfection

PROTECT



Sporicidal (*B. subtilis*) acc. to EN17126 at 2 % in 15 min

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

PERFEKTAN ACTIVE is a highly effective powderconcentrate for manual disinfection for all kinds of medical instruments. This product is a low dusting powder, which dissolves fast and complete 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.

**Composition**  
 Active ingredients: Peracetic acid generated from tetraacetylenediamine and sodium percarbonate (in-situ) > 850 ppm (1 % solution).

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

Spectrum of Efficacy and Contact Times			
Hygiene levels and contact times / Spectrum of action	PREVENT	PRESERVE	PROTECT
Application recommendation for final disinfection of all kinds of semi-critical medical devices including rigid and flexible endoscopes			1 % - 60 min; 2 % - 30 min



## ORANGE SOLVENT

Special cleaner for surface cleaning of medical devices

- Made of natural orange oils
- With excellent cleaning power
- Effortlessly removes residues of all types

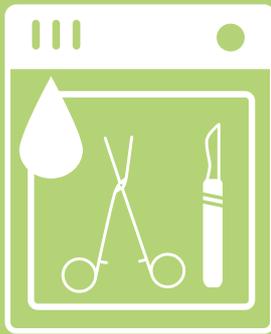
ORANGE SOLVENT is a ready-to-use cleaning solution for thorough removal of stubborn residues on medical and dental instruments and equipment. Also for removal of adhesive residue, permanent marker and scuff marks on flooring. Economic to use.

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

## MANUAL DISINFECTION AND REPROCESSING

To provide excellent disinfection results in the reprocessing of surgical instruments, disinfection products with a reliable disinfectant effect, a broad activity spectrum and a good cleaning performance are necessary. Besides an exceptional quality the procedures applied to clean and disinfect medical devices are key for optimal hygiene.





# Instruments

## Automated cleaning and disinfection

The THERMOSHIELD range for automated reprocessing of reusable medical devices offers the right product for every stage of the reprocessing cycle.

### The advantages

**Top-performing:** The excellent cleaning performance lays the foundation for reliable disinfection success.

**Efficient:** A coordinated product range simplifies handling and helps to streamline the reprocessing cycle.

**Practical:** The compatibility of the products with various machine types simplifies reprocessing.

**Value-preserving:** Formulas which are gentle on materials protect highly complex and costly medical devices, e.g., endoscopes and robotic instruments as well as washer-disinfectors.

The modern Dr. Schumacher formulations support reprocessing units for medical devices with their simple handling and to the protection of staff and patients.



	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	Basic cleanse	Cleaning	Neutralisation	Rinse aid	Disinfection	Acidic	Neutral	Mildly alkaline	Alkaline	Glutaraldehyde	Enzymes	Surfactants	Citric acid	Phosphoric acid
THERMOSHIELD® NR	✓	✓	✓							✓					✓					✓			
THERMOSHIELD® DESINFEKTANT		✓											✓	✓				✓					
THERMOSHIELD® XTREME	✓		✓	✓	✓	✓	✓	✓		✓						✓			✓	✓			
THERMOSHIELD® BASIX	✓			✓		✓				✓							✓						
THERMOSHIELD® C	✓		✓			✓	✓				✓				✓							✓	
THERMOSHIELD® P	✓			✓					✓	✓	✓				✓								✓
THERMOSHIELD® SHINE	✓						✓	✓				✓		✓									
THERMO CLEAR								✓				✓		✓							✓		





# THERMOSHIELD® NR

## Cleaner for chemo-thermal processing 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 cleaning and disinfection of medical instruments and medical devices in washer disinfectors. Due to its enzyme-free formulation THERMOSHIELD NR is also suitable for the chemothermal disinfection and cleaning and can be used in all types of washer disinfectors. THERMOSHIELD NR has been tested intensively for a long period in hospitals and medical practises. Due to its excellent cleaning results THERMOSHIELD NR is recommended for all 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 DESINFECTANT for the automated processing of flexible endoscopes at 55 - 60 °C .

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

### Dosage recommendation

Application recommendation for automated cleaning of all kinds of surgical instruments	0.3 - 0.7 %
Application recommendation for automated cleaning of endoscopes	0.4 - 0.6 %



# THERMOSHIELD® DESINFECTANT

## Disinfectant for the chemo-thermal processing of endoscopes

- User-friendly due to low aldehyde content
- Virtually odor free
- High material compatibility with flexible endoscopes

THERMOSHIELD DESINFECTANT is a material-friendly and user-friendly preparation for chemo-thermal disinfection of flexible endoscopes at 55°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 INSTRU PLUS or PLURAZYME EXTRA. THERMOSHIELD DESINFECTANT is particularly material friendly due to its glutaraldehyde-based composition. Since the content of glutaraldehyde is low in THERMOSHIELD DESINFECTANT it is particularly user-friendly because the odor is considerably lower than that of many comparable preparations.

PROTECT

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

### Spectrum of Efficacy and Contact Times

Hygiene levels and contact times / Spectrum of action	PREVENT	PRESERVE	PROTECT
Application recommendation for thermochemical disinfection of flexible endoscopes and all kinds of surgical instruments (55°C)			1 % - 5 min

# THERMOSHIELD® XTREME

Mildly alkaline enzymatic cleaning agent for automated processing

- 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 and thus the program run time in the washer-disinfector is reduced. 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.

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

Dosage recommendation	
Application recommendation for cleaning Depending on the degree of contamination and area of use:	3 – 10 ml/l - exposure time 10 min at 55 °C

## THERMOSHIELD® XTREME: EFFICIENT REMOVAL OF ORGANIC CONTAMINATION

The surfactants contained in THERMOSHIELD XTREME not only convince with excellent cleaning power and spotless drying, but also with their very good material compatibility. In combination with a highly active enzyme complex, the ingredients efficiently remove any kind of organic contamination.

### The active principle of enzymes and surfactants:

- Enzymes such as proteases break down water-insoluble organic contamination into water-soluble smaller components.
- These fission products can be dissolved and rinsed away by the surfactants more easily.



# THERMOSHIELD® BASIX

Alkaline, surfactant-free liquid cleaner



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

THERMOSHIELD BASIX is a highly alkaline, surfactant-free cleaner for the machine processing of surgical instruments in washer disinfectors. Its good cleaning performance towards 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 greater than 10.

**Composition**  
< 5 % phosphonates

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

### Dosage recommendation

Application recommendation for cleaning Depending on the degree of contamination and area of use:	2 – 8 ml/l
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# THERMOSHIELD® C

Neutralizer for automated processing



- Based on citric acid
- Efficient neutralization
- Gentle processing of sensitive instruments

THERMOSHIELD C is a liquid concentrate for use as a neutralizing agent in the machine 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 neutralization, it is possible to protect especially sensitive materials and prevent entrained remains of alkali from the cleaning step.

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

### Dosage recommendation

Application recommendation for neutralisation. Depending on pH and water hardness:	1 – 3 ml/l
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## THERMOSHIELD® P

### Neutralizer for automatic processing of instruments



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

THERMOSHIELD P is a liquid neutralizer 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 neutralization. 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.

**Composition**  
Contains organic acids

Single Unit	Unit	Content	REF
flat canister	3	5 l	00-181-050E

#### Dosage recommendation

Application recommendation for neutralisation. Depending on pH and water hardness:	0.1 - 0.3% (1 - 3 ml/l)
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## THERMOSHIELD® SHINE

### Rinsing agent for automated processing



- Time-saving due to fast and thorough drying
- Acidic pH prevents limescale build-up and deposits
- Preserves the of quality of instruments

THERMOSHIELD SHINE is a liquid concentrate for use as a rinsing aid in washer disinfectors 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 washer disinfectors or thermal disinfectors. 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 processing.

**Composition**  
< 5 % non-ionic surfactants, < 5 % anionic surfactants

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

#### Dosage recommendation

Application recommendation for rinsing. Depending on pH and water hardness:	0.1 - 0.3 ml/l
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# 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 chemo-thermal reprocessing of bedpans in thermal bedpan washers. It ensures spotless drying of the bedpan, protects the machine from calcification and is low-foaming. THERMO CLEAR is biodegradable acc. to EU detergent regulation because it is based on citric acid.

**Composition**

Organic acids < 30 %, complexing agents, corrosion inhibitors

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

**Dosage recommendation**

Application recommendation for cleaning	0.1 - 0.3 % (1 - 3 ml/l)
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# SPEZIAL ÖLSPRAY

Spray for maintenance of instruments

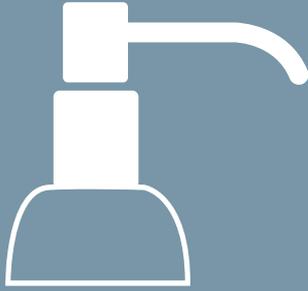


- Based on medical-grade white oil
- For hand-piece maintenance and lubrication prior to steam sterilisation
- Optimal lubrication of moving instrument parts

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 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.

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





# Application aids

## Wall Dispensers and Dosage Aids

The application aids from Dr. Schumacher help to ensure the right concentration, dosage and application of cleaning and disinfection products. The accessories impress with high-quality materials and their long, maintenance-free service lives.

### **The range of products**

**Dose dispensers:** The dispensers guarantee targeted application and precise doses for optimal product use.

**Wall holders:** With the holders which can be flexibly mounted, disinfectants can be made easily available and ready for use in virtually any location.

**Dosage systems:** Microprocessor-controlled equipment ensures maximum dosage precision, simple removal of the solution and economic use of the disinfection product.

Every single accessory in the Dr. Schumacher range contributes to the economic use of products and the streamlining of workflows.





## AK 500/1000 PLUS + TOUCHLESS

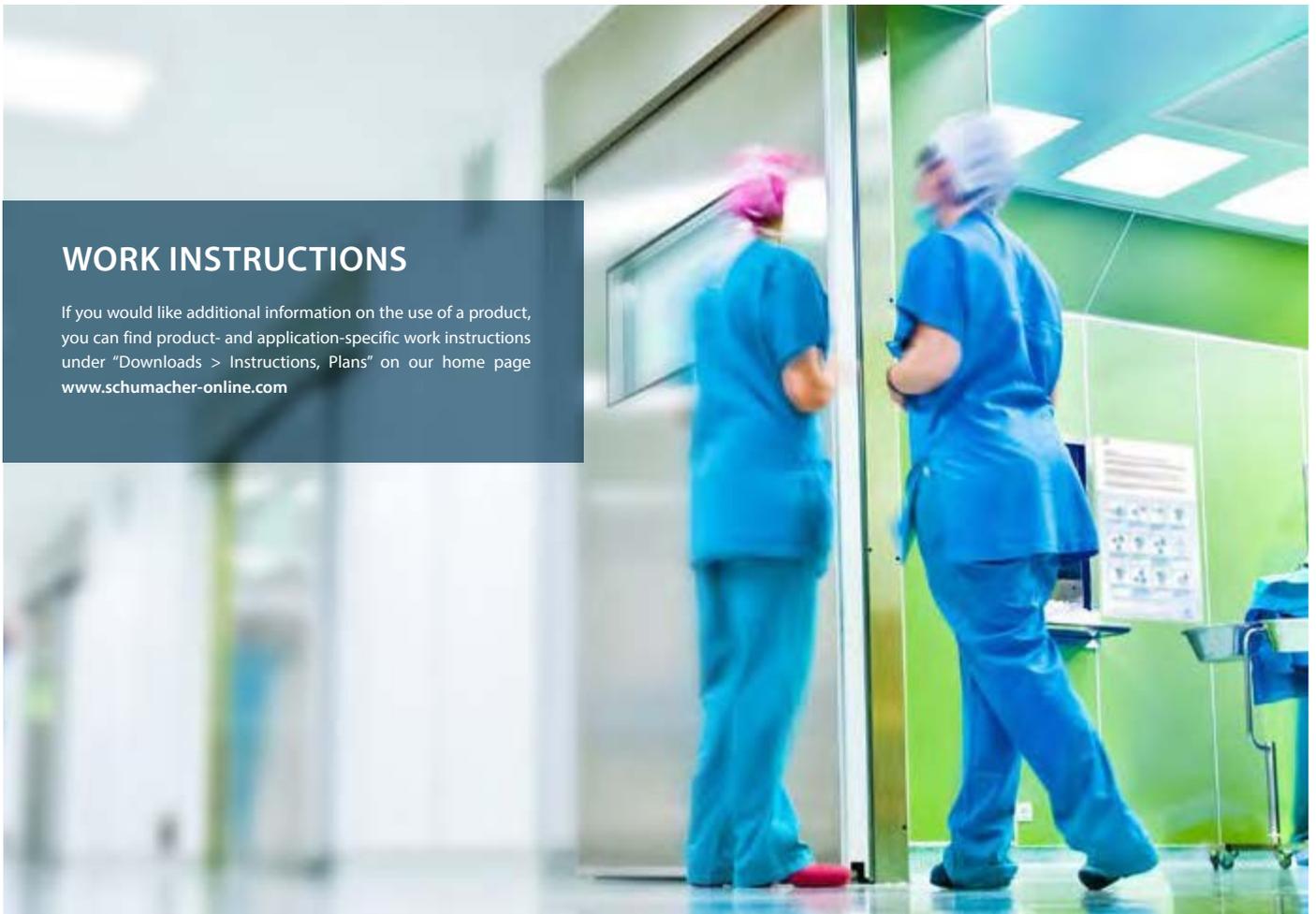
Arm lever wall dispenser and touchless wall dispenser in aluminium housing

Arm lever wall dispenser in aluminium housing with exchangeable stainless steel pump. Easy removal without disassembly. Dispenser is suitable for 500 ml or 1 L dispenser bottles. Dosage quantity is 1.5 ml/stroke by default and can be reduced in three steps. AK 500/1000 PLUS wall dispensers are autoclavable. AK 1000 PLUS TOUCHLESS is a touchless wall dispenser with integrated battery indicator.

Single Unit	Unit	Size	REF
<b>AK 500/1000 PLUS (long lever)</b>			
wall dispenser	1	500 ml	00-901-005-01
wall dispenser	1	1 l	00-901-010-01
<b>AK 500/1000 PLUS (short lever)</b>			
wall dispenser	1	500 ml	00-903-005-01
wall dispenser	1	1 l	00-903-010-01
<b>AK 1000 PLUS TOUCHLESS</b>			
wall dispenser	1	1 l	00-911-010TO

### WORK INSTRUCTIONS

If you would like additional information on the use of a product, you can find product- and application-specific work instructions under "Downloads > Instructions, Plans" on our home page [www.schumacher-online.com](http://www.schumacher-online.com)





## 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.

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

## RX5 TOUCHLESS

### Plastic dispenser for wall installation



RX5T is a contact-free counter-top dispenser for liquid soaps and disinfectants with sensor technology, for 500 ml dispenser bottles. The dispenser is made of plastic and can be used free-standing or installed on a wall or column. Includes exchangeable plastic pump. The average dose is 1.5 ml/stroke; the power supply comes from 4 LR14 batteries.

Single Unit	Unit	Size	REF
RX5T			
Touchless dispenser	1	500 ml	00-911-005RXT





## DESIPOINT

### Pre-assembled, mobile column stand for wall dispensers

This disinfection column is ideal for entrance areas or other places where wall mounting of dispensers is not desirable. **DESIPOINT** ensures easy access to the hand disinfectant and is particularly user-friendly. The Dr. Schumacher logo is milled into the column. **DESIPOINT** is a hygienic stainless steel construction for quick and easy mounting, which can be combined with standard dispensers (dispenser not included).

Single Unit	Unit	Size	REF
DESIPOINT	1	140 cm	00-902-DS

Accessoires			
Clip-frame for für DESIPOINT	10		00-902-DS-100



## DESCOFLEX BOTTLE HOLDER MH

### 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.

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



## 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



## DESCOFLEX WALL HOLDER

### For hand and skin cleansing/disinfection products

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
wall holder	1	500 ml/1 l	00-902-WHEX





## 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
dosing bottle	1	1 l with 60 ml measuring canister	00-904-010
canister opener	1	-	00-909-050
tap	1	2 l / 5 l / 10 l	00-907-000
tap	1	30 l	00-907-300



## SPRAY HEADS

For surface disinfection and 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
spray head	1	1 l	00-905-010
foam spray head	1	1 l	00-912-010



## MEASURING JUG/CUP

For surface and instrument disinfection 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.

Single Unit	Unit	Size	REF
measuring jug	1	3 l	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.

Capacity	Tub size (l x w x h)	Basket Insert Size	REF
1 l	223 x 149 x 91 mm	145 x 112 x 70 mm	00-908-010
3 l	315 x 206 x 125 mm	205 x 160 x 100 mm	00-908-030
4 l	338 x 208 x 113 mm	277 x 189 x 109 mm	00-908-040
5 l	394 x 260 x 152 mm	320 x 230 x 133 mm	00-908-050

## SEEK AND YOU SHALL FIND:

### The Dr. Schumacher product finder

An overview of our product range is now also available online and offers the additional benefit of a simple and intuitive search function via the Dr. Schumacher product finder. It enables you to find the right product and the accompanying documentation, using practice- and application-relevant filter options.





*We protect  
your health.*

## **IMPRINT**

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