

Trust. **Hygiene.** *Safety.*

WE ARE DR. SCHUMACHER. WE PROTECT YOUR HEALTH.

Dear readers,

the past few years have been defined by high energy prices, increasing bureaucracy and global crises. As a medium-sized business owner, you sometimes get the feeling that you are operating in a rather non-friendly business environment.

Investing in Germany?

In a survey of the 500 largest family businesses conducted last year by the ifo Institute, a Munich based economic research institution, showed that more than half of the companies surveyed want to invest more abroad in the future and less in Germany. If investments in this country are less fruitful and products can no longer be brought to market in a reasonable time and at globally competitive prices due to over-regulation, it is logical that companies will look for solutions elsewhere. We at Dr. Schumacher GmbH still want to invest in Germany. As a family and a family business, we have a special kind of connection to our Beiseförth location where Dr. Schumacher began. As a family business, we do not make decisions based solely on monetary considerations. Nevertheless, we hope for a friendlier framework and conditions from the German government and the EU that confirm my decision to continue invest locally.

Success under difficult conditions

The difficult economic conditions the past few years have made me even more proud of our successes. However, it is important that industry regulators prioritize common sense so that we can make quicker and more productive adjustments to important parameters – towards greater hygiene safety and health. Until then, the best way out is right through it, and we will continue working on what we are really good at: tailor-made solutions for the requirements of our customers with innovative and highly effective products that protect our health and conserve resources.

Innovations and awards

Product developments, such as our ULTRASOL OXY family are suitable for even the most sensitive areas with increased requirements. Due to its oxidative basis, the formula is also broadly compatible with nearly all materials. And because the active ingredients are 99 % biodegradable, ULTRASOL OXY family products leave no environmentally harmful residues. As the wipes specialists, we are especially proud that ULTRASOL OXY Wipes are the first ready-to-use wipes that are fully sporicidal in accordance with the latest EU standard EN17846.

Our new, recycled material packaging was recently awarded first place in sustainability at the German Packaging Awards. The award-winning packaging consists of 30 % recycled components from reprocessed beverage packaging while still meeting the high requirements for protection, hygiene and functionality.



Last but not least: our hand disinfectant ASEPOMAN MED is the first hand disinfectant ever to be recommended by the German Allergy and Asthma Association (DAAB). Even though new challenges will certainly arise in the future, I am grateful to have a strong team of employees at my side – and you as reliable business partners and customers. That's why our company claim holds true today:
We protect your health!

Dierk Schumacher
CEO and Managing Director

German Packaging Awards Seal



Our Company

TIMES CHANGE, OUR PROMISE DOES NOT: **WE PROTECT YOUR HEALTH**

We protect your health – this motto has accompanied our family business for more than 40 years and is the daily mantra and motivation for our approximately 1,600 employees worldwide. We work together every day to satisfy our customers with product solutions for better hygiene, more health and greater well-being.

Our commitment to you – our products

As one of Europe's leading manufacturers of disinfection, hygiene, cleaning, care and cosmetic products, we develop and produce under our own name as well as private label/OEM.

As the largest manufacturer of both dry and wet wipe products in the EU, we can provide a tailored solution to meet all your needs. In addition to highly effective disinfectant and cleaning wipes, primarily for the hospital and outpatient care sector and public institutions, Dr. Schumacher produces baby wipes, floor wipes, cleaning and cosmetic wipes for our partners, which you can find on the shelves of numerous drugstores and supermarkets.

Our cooperation with you – success through dialogue

All of our products are designed to fulfill your wishes. We translate your requirements into tailor-made, user-friendly solutions. Our highly competent team is always at your side, just a phone call or e-mail away. We are dedicated to meeting your individual challenges. This close working relationship makes us a reliable partner for you – and at the same time provides us with valuable feedback into the future development of our products and services.



Our headquarters
in Malsfeld, Germany.



*"Effective hygiene
cannot be a privilege.
It has to be
accessible to everyone,
everywhere."*

Dr. Henning Schumacher
Founder and Visionary



We stand for quality – research and development

Because the continuous development of our products is a central part of our corporate philosophy, we place a high value on our in house research and development

team. This enables us to respond quickly to the ever-increasing requirements for hygiene and safety with innovative and effective product solutions. This also allows us to implement the latest technological findings in work processes and to make our products, packaging and processes more and more sustainable. Last but not least, our broad know-how, the high level of quality understanding and our ability to innovate guide us through the ever-increasing regulatory requirements.

Our reach – 1,600 employees, 78 countries, 1 goal

With our production sites in Germany, Poland, Turkey and India, we minimize risks and dependencies – and remain loyal to our headquarters and production site in Malsfeld, Germany. With our sales locations in Portugal, Jordan, Switzerland and Austria as well as our network of distribution partners in 70 countries, we ensure short routes globally – and protect your health together.

Our history – our commitment

Started in 1978 in the basement of Dr. Henning Schumacher's house, the company has developed over the last 45 years into a leading European manufacturer of medical products, pharmaceuticals, biocides and cosmetics. His sons Dierk and Jens, who took over the company at the end of the 1990s and expanded it further, also feel committed to the quality standards and guiding principles of the company founder. The motto "We protect your health" is still at the heart of our business activities – and thus shapes not only the history, but also the future of the family business.

Above photo: Our 60.000 m²
production site in Luban Poland.
The largest wipe production in Europe.



Quality and Listings

QUALITY YOU CAN COUNT ON

FOR US, QUALITY IS NOT SOMETHING THAT JUST HAPPENS –
IT MUST BE CREATED. THROUGH A COMBINATION OF
INNOVATIVE PRODUCTS AND HIGH-QUALITY INGREDIENTS
WE MEET THE HIGHEST QUALITY STANDARDS IN ALL STAGES
OF PRODUCT DEVELOPMENT AND PRODUCTION.

In the healthcare sector, customers and users rightly have high expectations of product quality. We are committed to continually work on innovative and high-quality products that are even better tailored to customer requirements than the solutions currently on the market. Our high quality standards also extend throughout the entire development and production process.

As a certified manufacturer of medical products, pharmaceuticals, biocides and cosmetics, we are always aware of our high responsibility towards our customers and users. We are subject to strict quality requirements and controls, use the latest technologies and processes in production –

attaching great importance to resource-saving and environmentally friendly ways of working.

You can rely on this: Validations, certifications, listings

Our products are listed several times by well-known associations and medical institutions – underlining the product quality and the safety of their use.

Dr. Schumacher has a comprehensive quality management system that guaranteeing safety awareness, operational environmental protection and consistent product quality. We meet the requirements of DIN EN ISO 13485 and MDR (Regulation (EU) 2017/745), which include the requirements

for design, manufacturing and storage of medical products. We are also one of the first companies to be certified according to the European Medical Devices Regulation (MDR) and have a manufacturing license for medicinal products.

For over 11 years, we use environmental management systems to monitor and reduce our ecological footprint and identify potential for improvement. These systems are certified according to DIN EN ISO 14001 and EMAS (a community system for environmental management and environmental auditing recognized by supervisory authorities).



LISTINGS

DAAB

DAAB – Products tested and recommended by the German Allergy and Asthma Association (www.daab.de).

IHO

IHO – Industry Association for Hygiene and Surface Protection for Industrial and Institutional Use e.V. (www.desinfektion-smittelliste.de).

ÖGHMP

ÖGHMP – Products listed in the disinfectant list of the Austrian Society for Hygiene, Microbiology and Preventive Medicine (www.oeghmp.at).

RKI A

RKI A – Products listed in the disinfectant list of the Robert Koch Institute according to § 18 IfSG, effective range A.

RKI AB

RKI AB – Products listed in the disinfectant list of the Robert Koch Institute according to § 18 IfSG, effective range AB.

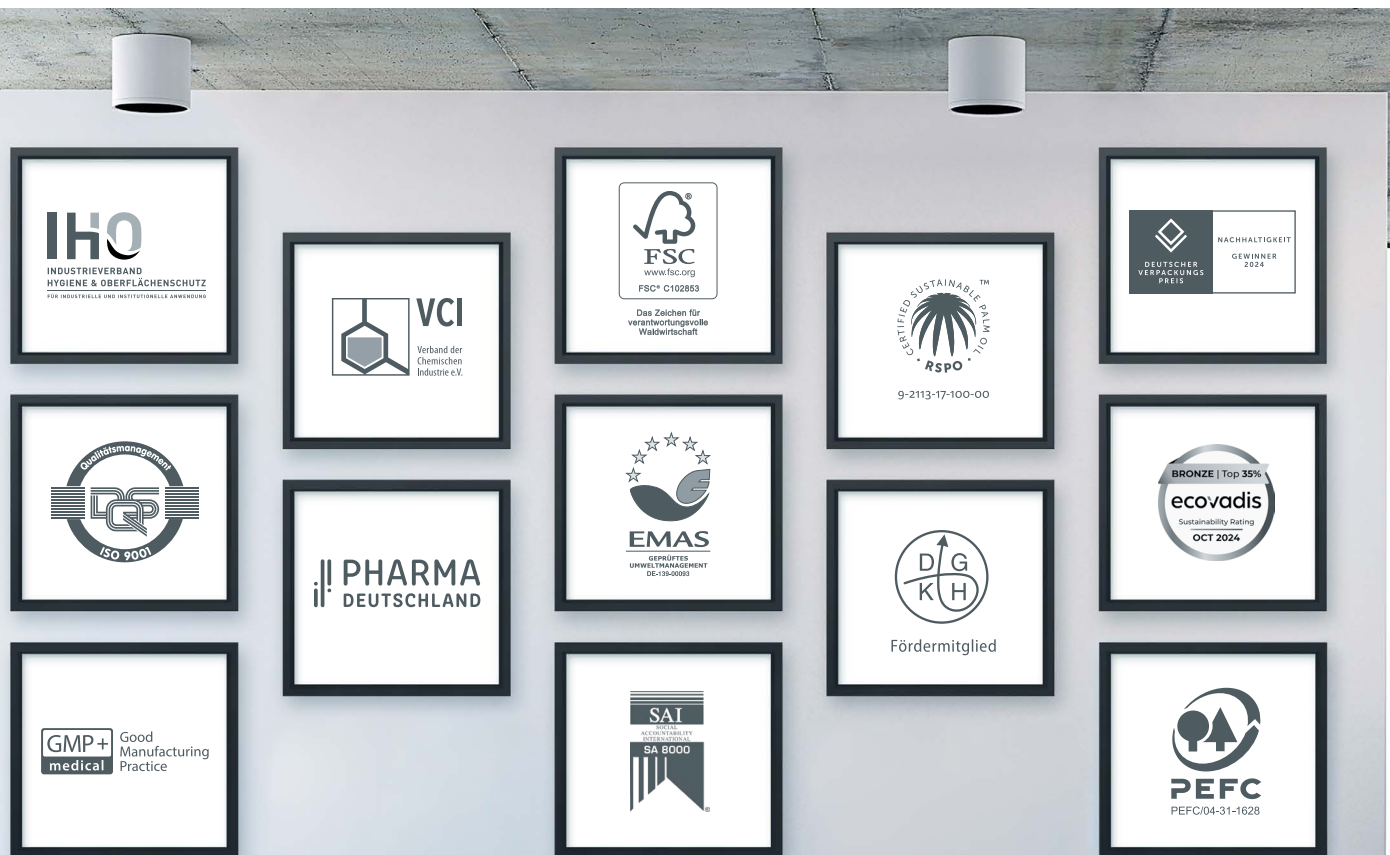
RKI/DVV

RKI/DVV – Virucidal products according to the guidelines of the German Association for Combating Viral Diseases e.V. (DVV) and the Robert Koch Institute (RKI).

VAH

VAH – Products listed in the disinfectant list of the Association for Applied Hygiene e.V. (www.vah-online.de).

CERTIFICATES AND MEMBERSHIPS



Patents and Product Development

POWERFUL AND GROUNDBREAKING PATENTED SOLUTIONS

OPTIMIZED, HIGH-PERFORMANCE SOLUTIONS AND NEW TECHNOLOGICAL PROCESSES ARE AN ESSENTIAL PART OF DR. SCHUMACHER'S SCIENTIFIC WORK. OUR PRODUCT PORTFOLIO NOT ONLY INCLUDES MORE THAN 550 EXISTING FORMULATIONS, BUT ALSO FUTURE-ORIENTED TECHNOLOGICAL APPROACHES. THESE FORM THE BASIS FOR ENSURING LONG-TERM AND SUSTAINABLE GROWTH.



Since the founding of Dr. Schumacher GmbH, our work has focused on research and development (R&D) for products and patents. Our actions are based on the continuous development of our product portfolio, always with the aim of protecting people's health.

Setting the bar through pioneering developments

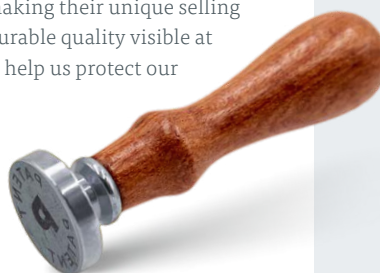
Successful work and continuous development are based on modern technologies and a secure transfer of knowledge. These elements are indispensable, especially with regard to product innovations. Technical solutions that are integrated into our patented products and processes correspond to a proven and documented quality standard. At Dr. Schumacher, we are committed to ensuring that the users of our products benefit from our experience and core competencies.

Granted patents as proof of innovations

Patents demonstrate innovative strength and successful development of high-performance solutions by a company. Continuous product innovations and the creation of new concepts drive the development of a company and support its constant progress. As a manufacturer of pharmaceuticals, medical products, biocides, household cleaners and cosmetics, Dr. Schumacher is able to meet almost any requirement – from aqueous and alcoholic solutions to emulsions and oil baths to creams, ointments, gels and powder products.

The Dr. Schumacher patent seal

The patent seal designed by Dr. Schumacher highlights the relevance of research, development and innovation in our company. Patented products and products containing our patented technologies are adorned with this seal¹, making their unique selling points and measurable quality visible at a glance. Patents help us protect our



high-quality developments in the long term. Not only do we as a company benefit from this, but our customers too.

The granting of patents and the registration of utility models require a high degree of innovative strength. Granted patents give our company the exclusive right to use these developments commercially. They are also decisive factors in our competitiveness and performance. Dr. Schumacher has patents and utility models registered and granted in many countries around the world. In this way, we are creating a crucial basis for ensuring the sustained viability of our company.



UNIQUE FORMULATIONS

increase the effectiveness of our products

STATE-OF-THE-ART PACKAGING

improves compliance and makes everyday work easier

VALIDATED PROCEDURES

ensure safe work

INNOVATIVE PRODUCTS

promote public health



¹ Seal indicates patent status at the time of publication of this catalogue.

PROVEN QUALITY FOR ANY APPLICATION

RELIABLE INFORMATION ABOUT THE EFFECTIVENESS OF DISINFECTANTS
IS ESSENTIAL FOR SAFE HYGIENE. WITH OUR PRODUCTS WE GUARANTEE THAT
WE GO ABOVE AND BEYOND THE HIGHEST REQUIREMENTS.

Especially in professional healthcare settings, people must be able to rely on the promised effectiveness of disinfection products in order to guarantee hygienic safety for users and patients. But also at home, we must be able to trust that “what is on the label is what is inside”.

Dr. Schumacher has provided this security for over 45 years, developing and producing disinfection and hygiene solutions that meet the highest quality requirements. Our work is based on international standards and our products are regularly tested to ensure that they continuously meet and exceed the regulatory requirements. This expertise can also be felt in the production of our consumer goods for household, baby care, cosmetics and personal care, which you can find on the shelves of drugstores and retail stores. We enable safe hygiene – everywhere, all the time.

Reliable quality standards

Few industries are as strictly regulated as ours. There are strict European Norms (EN) tests for chemical disinfectants and antiseptics that dictate which efficacy requirements a product must meet. This ensures, among other things, that product effectiveness is independently tested and confirmed for efficacy against different microorganisms (e.g. bactericidal, yeasticidal, virucidal). The basic test standards for the approval and sale of chemical disinfectants and antiseptics are defined by DIN EN 14885 - both for medical and non-medical products as well as for biocides. It specifies which EN test applies to which area and segment of hygiene.

In order to make identifying product efficacy easier for the user, we developed the Dr. Schumacher hygiene levels (see page 20). This makes selecting the appropriate product for your disinfection needs quicker and safer.

To see how our products go above and beyond the applicable EN standards, look no further than ULTRASOL OXY. This oxidative-based disinfectant meets our hygiene level PROTECT and is therefore considered bactericidal, yeasticidal, virucidal and sporicidal according to the applicable standards.

ULTRASOL OXY is also meets the higher requirements presented in the new standard EN 17846:2024 for sporicidal efficacy and was the first disinfectant to achieve efficacy against this Norm.



To ensure that disinfectants work within specified times and comply with their advertised spectrum of efficacy, they are tested in the laboratory under realistic conditions. With the help of two-stage test procedures (phase 2 tests), laboratories can ensure compliance with existing standards and thus ensure that the products actually meet the requirements.

With a quantitative suspension test (phase 2, step 1), a laboratory simulates in a test tube whether the disinfectant is able to inactivate a specified number of germs within a predefined time when a contaminant

is added. The substance helps simulate a contamination on a surface. The maximum exposure time within the effective range is determined by the area of application (near or far from the patient) and is specified in EN 14885. Test results based on quantitative suspension tests make it possible to compare disinfectants within Europe.

In order to get even closer to practical conditions, various surface or germ carrier tests (phase 2, step 2) were developed. In these tests, disinfectants are applied to surfaces, skin, or other germ carriers under realistic conditions.

For surfaces, the 4-field test was developed to simulate real life wiping of a surface. A pre-soaked cloth with a disinfectant solution is moved with a defined contact pressure over four fields of equal size, one after the other. The first field has been previously contaminated with a test organism and the three further fields are kept sterile until the start of the test. After wiping and at the end of the exposure time, all four fields are then examined and evaluated for microbiological contamination.



TEST PHASE 2

STEP 1

Quantitative suspension test with simulated practical condition

STEP 2

Quantitative test on surfaces or skin under simulated practical conditions

Product testing according to area of application

Spectrum of efficacy	Stage	Hygienic hand disinfection	Hygienic hand washing	Surgical hand disinfection or hand washing	Surface disinfection		Instrument disinfection
					Without mechanics (spray disinfection)	With mechanics (wipe disinfection)	
bactericidal	2,1	EN 13727	EN 13727	EN 13727	EN 13727		EN 13727
	2,2	EN 1500	EN 1499	EN 12791	EN 17387	EN 16615	EN 14561
yeastcidal	2,1	EN 13624	EN 13624	EN 13624	EN 13624		EN 13624
	2,2				EN 17387	EN 16615	EN 14562
fungicidal	2,1				EN 13624		EN 13624
	2,2				EN 17387	EN 16615 ^b	EN 14562
tuberculocidal	2,1	EN 14348	EN 14348		EN 14348		EN 14348
	2,2					EN 16615 ^b	EN 14563
mycobactericidal	2,1	EN 14348	EN 14348		EN 14348		EN 14348
	2,2					EN 16615 ^b	EN 14563
limited virucidal	2,1	EN 14476	EN 14476		EN 14476		
	2,2				EN 16777	Based on EN 16615 ^b	EN 17111
limited virucidal PLUS	2,1	EN 14476	EN 14476		EN 14476		
	2,2	EN 17430			EN 16777	Based on EN 16615 ^b	
virucidal	2,1	EN 14476	EN 14476		EN 14476		EN 14476
	2,2	EN 17430			EN 16777	Based on EN 16615 ^b	EN 17111
sporicidal C. diff.	2,1				EN 17126		EN 17126
	2,2					EN 17846 ^a	
sporicidal	2,1				EN 17126		EN 17126
	2,2					EN 17846 ^a	

^a The EN standard is not yet mandatory. After publication of the final version and inclusion in EN 14885, a transition period of 18 months applied

^b The EN standard is currently in development

WORKING TOGETHER TOWARDS **SUSTAINABLE HYGIENE**



IN CHALLENGING TIMES, PRAGMATIC SOLUTIONS ARE NEEDED. IT IS IMPORTANT TO QUESTION THE WAY WE'VE ALWAYS DONE THINGS AND ACTIVELY IMPROVE THEM. OUR FOCUS IS ON CRITICALLY LOOKING AT WHAT EXISTS AND CONTINUOUSLY MOVING FORWARD. WE WORK TOGETHER WITH OUR PARTNERS TO MAKE THE HYGIENE OF TOMORROW A REALITY TODAY.

Dr. Schumacher combines global reach with regional roots. This combination of international commitment and local roots offers our customers significant advantages. We have been working closely with suppliers all over the world for over 45 years. The structures of our supply chains are designed in such a way that they already meet the requirements of the German Supply Chain Act, despite the fact that we are not yet subject to the legal obligation. We do this through well-thought-out and targeted management. EcoVadis, an independent sustainable supply chain auditor, has awarded us several times for our proactive measures.

Our goal is to share our knowledge and experience with you. When it comes to sustainable hygiene or cleaning solutions, we are your expert. We offer optimal conditions with our products in connection with environmental protection. Our headquarters is powered by 100 % green electricity from regional, renewable energy. In 2018, we opened our new office building, which is optimized for minimal electricity and energy consumption. We even use heat byproducts generated during production or in our server rooms to heat our buildings in the cold months.

We work every day to further reduce our direct and indirect environmental impact. You can read about this in our environmental statement, which has been certified according to the Eco-Management and Audit Scheme (EMAS) for the thirteenth time in a row. In it, we annually review our CO₂ emissions, water and energy consumption, and critically identify where we want to further improve.

As a family business, we attach great importance to our roots and the people around us. Our research and development as well as a significant production is still located in northern Hesse, where our company was founded. Our region has given us a lot. We see it as our duty to give something back to the region. In long-term partnerships, we support associations and non-profit organizations in the area. We are committed to making an important contribution to the local people. We must take action on sustainability now so that the health of future generations is ensured. As a hygiene and wipe specialist, we are looking into new ways to steadily reduce the amount of plastic waste that is generated in hospitals or in our homes. More comprehensive recycling or reusing packaging are options that need to be explored in our industry. Our new wet wipes packaging for all-purpose wipes won first place in the German Packaging Award in the sustainability category, because it is made from recycled parts of processed beverage packaging. The new packaging meets the highest requirements for functionality and protection of the packaged products without compromising on environmental compatibility or hygiene.

What we need above all is joint action! As a company, we make a decisive contribution to environmental protection. Wherever possible, we adapt to protect your health in the future.



Resources

SUSTAINABILITY FOR THE ENVIRONMENT AND OUR HEALTH

THE USE OF RENEWABLE AND ECOLOGICALLY SENSIBLE RAW MATERIALS IS MORE IMPORTANT TODAY THAN EVER TO PROMOTE PRODUCT SAFETY AND TO PROTECT BOTH OUR ENVIRONMENT AND THE HEALTH OF FUTURE GENERATIONS. OUR GOAL IS TO SUPPORT OUR CUSTOMERS AND USERS IN USING MORE ENVIRONMENTALLY FRIENDLY PRODUCTS.

Effective environmental protection isn't only using fewer and fewer resources – it's also more organic ingredients and more environmentally friendly packaging. We have already switched to renewable raw materials where permitted in the industry and in the interest of the safety of our products and existing regulations. We use resources more efficiently through reuse and recycling. We ensure that our suppliers use recycled versions of energy-intensive raw materials such as paper and packaging films. We've also reduced the consumption of important

resources such as electricity and water to a minimum at our locations. Our primary goal remains to make hygiene safe and easy to use – and to ensure that it remains so in the future.

Pioneering solutions for a healthy environment

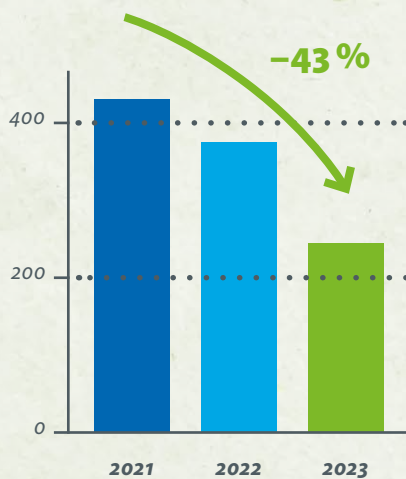
We switched our 500 ml bottles to a 13 % lighter version. The result? Over 18 tons of plastic saved per year! That is roughly the

weight of a tower of stacked credit cards that reaches almost to the top of the Zugspitze – the highest mountain in Germany. We now deliver almost all of the hand hygiene products in our portfolio in the reduced plastic bottle. In addition to reducing plastic consumption, the lighter packaging reduces the weight of transport and significantly reduces CO₂ emissions in the logistics chain. We are already ecological pioneers in our industry

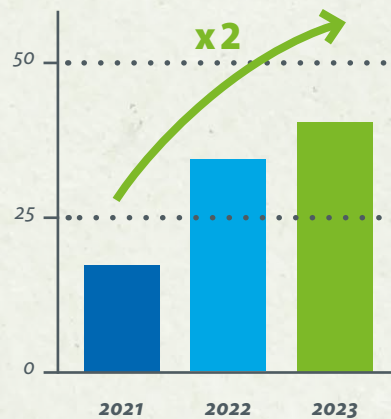




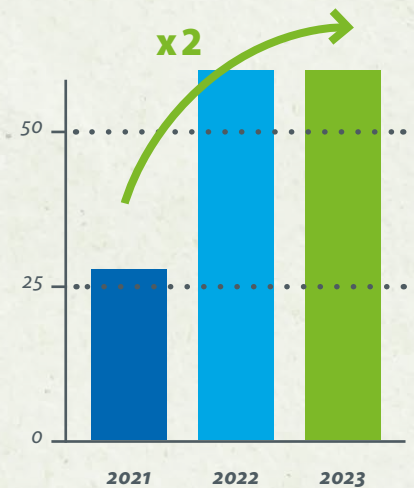
PLASTIC USED IN OUR BOTTLES (metric tons)



PERCENTAGE OF ORGANIC FLEECE IN TOTAL FLEECE PURCHASES



PERCENTAGE OF RECYCLABLE FILMS IN WIPES PACKAGING



with many of our ingredients and materials. Our DESOTEX organic fleece, found in our DESCOSEPT SENSITIVE WIPES Bio, is made from 100% renewable raw materials. This allows alternative disposal options, as both the soaking solution and the fleece material are biodegradable. In addition, the structure of the fleece traps dirt even better. A larger area can be cleaned with a single wipe compared to other comparable wipe products. This not only saves time, but above all material. In the past 2 years, we have more than doubled the production of our wipes with DESOTEX organic fleece. Almost every second wipe is

now made from DESOTEX organic fleece. We also use organic ethanol in our disinfectants, which is obtained from 100% natural raw materials.

Promote recycling, conserve resources

As the largest wipe producer in the EU, we use a significant amount of packaging films for our wipe products. We are constantly changing and optimizing the sustainability of these films: not only to recyclable films, so-called mono-composite films, but increasingly to films made from post-industrial recycled material and – where it's allowed – to post-consumer recycled material. What sounds like obvious solutions are not always easy to implement with regard to the safety

and effectiveness of professional disinfectant products. Nonetheless we have managed to increase the proportion of recyclable films to 60% in the last two years. Along with our cooperation partners, we have just been awarded first place in the German Packaging Award in the sustainability category for the use of recycled materials in our wet wipe packaging for all-purpose wipes. Our next goal is therefore clear: to increase the proportion of mono-composite films to 80%!



ULTRASOL OXY®

sporicidal

virucidal

fungicidal

bactericidal

yeastcidal

tuberculocidal

mycobactericidal

coronavirus

norovirus

adenovirus

FULLY SPORICIDAL ULTRASOL OXY®



Medical Device and Surface Disinfection

DR. SCHUMACHER PRESENTS ULTRASOL OXY:
A NEW PRODUCT RANGE WITH A BROAD SPECTRUM OF
EFFICACY FOR THE EFFICIENT DISINFECTION OF
MEDICAL DEVICES AND ALL TYPES OF SURFACES.

Oxidative formula
gentle on
**materials and the
environment**

Time-saving
application thanks to
**short
contact times¹**

**Broad spectrum
of efficacy²**
for areas requiring
high-level
disinfection

With the ULTRASOL OXY product family, Dr. Schumacher offers a new product range based on peracetic acid and hydrogen peroxide. In addition to sporicidal and virucidal properties, the products offer a broad spectrum of efficacy², which covers both routine disinfection and disinfection in the event of an outbreak. Due to the oxidative basis, ULTRASOL OXY products have a high level of material compatibility, which in combination with the short exposure times¹, makes them extremely user-friendly and efficient. With this sustainable solution, Dr. Schumacher also complies with strict hygiene and environmental standards.

Disinfection for routine and outbreaks

Due to their broad spectrum of efficacy², ULTRASOL OXY products are suitable for the disinfection of surfaces and medical devices of all kinds. ULTRASOL OXY can be used flexibly and economically, both in routine disinfection and in the event of an outbreak. The products are therefore suitable for areas with a general and specific risk of infection – eliminating the need to use and store a second preparation.

Easy application

ULTRASOL OXY is suitable for areas where high efficacy, high user-safety and good cleaning performance are required. The short exposure times¹ mean that the

surfaces can be reused quickly. The products are especially recommended for environments where, in addition to comfortable and time-saving application, high hygiene requirements must also be met.

Biocompatible ingredients³

ULTRASOL OXY consists of 99% biodegradable active ingredients³. The active ingredients peracetic acid and hydrogen peroxide break down into ecologically harmless oxygen, water and acetic acid. In addition, the products are phenol and aldehyde free and have no carcinogenic properties. ULTRASOL OXY also has a high level of material and product compatibility due to its oxidative basis.

High-level infection prevention

Surfaces and medical devices in particular are very high contact zones and require careful cleaning and disinfection. The active ingredients peracetic acid and hydrogen peroxide used in the ULTRASOL OXY products disinfect medical devices and surfaces of all kinds quickly and reliably, reducing the risk of infection to patients and medical personnel.



¹ Surface disinfection, tuberculocidal surface disinfection, disinfection against *Clostridium difficile* within 5 minutes, sporicidal surface disinfection within 15 minutes.

² Bactericidal, yeasticidal, fungicidal, tuberculocidal, mycobactericidal, virucidal and sporicidal

³ According to expert opinions

ASEPTOMAN® MED

First hand disinfectant to be **tested and recommended** by the **German Allergy and Asthma Association (DAAB)**!



Perfume-free
Dye-free
QAC-free

PRODUCTS LIKE ASEPTOMAN® MED, RECOMMENDED BY THE GERMAN ALLERGY AND ASTHMA ASSOCIATION (DAAB), OFFER EXCELLENT SKIN COMPATIBILITY, BUT THAT'S NOT THE ONLY REASON WHY THE PRODUCT IS OUR NO. 1 HAND DISINFECTANT FOR DAILY HYGIENE.

Frequent hand disinfection is essential, especially in clinics, practices and care facilities, for self-protection and the protection of patients. Using the "wrong" product can quickly lead to dry and brittle skin or skin irritations, even for users with good skin health. This makes people with allergies or sensitive skin even more dependent on choosing the right hand disinfectant. The DAAB logo has been providing guidance in selecting recommended products for more than 20 years.

Tested and recommended

The product requirements for the DAAB label are comprehensive: the product formulations are checked by experts, and the allergy potential of the ingredients is assessed. Award-winning products must be free from fragrances, flavorings and essential oils as well as allergy-causing dyes and preservatives (among other things). The skin compatibility for sensitive skin is confirmed by an independent dermatological institute. We are proud that ASEPTOMAN MED is the first hand disinfectant to meet these quality requirements!

Comprehensively effective and safe

ASEPTOMAN MED makes no compromises in terms of effectiveness. It meets all the requirements of our "Preserve" hygiene level, achieving limited virucidal PLUS efficacy within 30 seconds making it effective against not only all enveloped viruses, but also noroviruses, adenoviruses and rotaviruses. The low alcohol content, especially compared to other hand disinfectants, as well as nourishing re-fattening agents to protect against excessive drying, ensure good skin compatibility. ASEPTOMAN MED helps to protect health and skin.

ADDITIONALLY DAAB RECOMMENDED DR. SCHUMACHER PRODUCTS

The **DAAB** offers guidance in selecting suitable products for people who require low-allergen and well-tolerated products for their health with its **"tested and recommended"** label.

Manufacturers must meet comprehensive requirements for quality and ingredients and also prove good skin compatibility by an independent dermatological institute.

DESODERM CARE WIPES

Caring cleaning wipes for sensitive skin

Page 76



DESCOLIND EXPERT LIGHT CREAM

Hypoallergenic¹ care cream

Page 73



DESCOLIND EXPERT INTENSIVE CREAM

Hypoallergenic¹ intensively nourishing cream

Page 74



DESCOLIND EXPERT PROTECT CREAM

2 in 1 skin protection and care cream

Page 74



Who is the DAAB?

*A brief introduction to
The Patient and Consumer
Protection Association.*



German Allergy and Asthma Association e. V.

As the first patient association in Germany, the German Allergy and Asthma Association (DAAB) has been committed to helping children and adults who suffer from allergies, nutritional problems, respiratory or skin diseases for over 125 years – and is thus the mouthpiece of around 25 million affected people. The DAAB researches, investigates, advises, informs and trains in comprehensive support of those who are ill.

What the DAAB stands for

The overarching goal of all of the DAAB's activities is to improve the living conditions of affected children and adults. The DAAB fights in many areas to strengthen their consumer rights, advises more than 30,000 people every year, pools knowledge and research results, tests replacement products in everyday use, and is involved in networks and politics. Last but not least: it recommends low-allergen and well-tolerated products according to strict criteria with its DAAB label.

www.daab.de

¹ Allergy risks minimized. Allergy risks can never be completely ruled out.

PREVENT**SPECTRUM OF EFFICACY**

- Bactericidal
- Yeasticidal
- All enveloped viruses

RELEVANT VIRUSES

- HBV
- HCV
- HIV
- Corona and influenza viruses

Products *Page*

DESCOCEPT SPEZIAL 28

CLEANISEPT 34

OPTISAL N 34

CLEANISEPT WIPES 38

CLEANISEPT WIPES MAXI 38

DESCOCEPT SPEZIAL WIPES 39

DECONTAMAN PRE SOFT 56

ASEPTOMAN 60

ASEPTODERM 66

ASEPTODERM 2 % CHG 66

ASEPTODERM 2 % CHG COLOURED 67

PERFEKTAN ENZYME 82

PERFEKTAN NEU 83

PERFEKTAN TB 83

PERFEKTAN ENDO 84

PRESERVE**SPECTRUM OF EFFICACY**

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

RELEVANT VIRUSES

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

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PROTECT**SPECTRUM OF EFFICACY**

- Bactericidal
- Yeasticidal
- Fully virucidal
- Tuberculocidal
- Sporicidal

RELEVANT VIRUSES

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

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COLOR-CODED EFFICACY INDICATORS



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

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

Efficacy spectrums

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

PREVENT level

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

PRESERVE level

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

PROTECT level

The Protect level identifies disinfectants with the highest efficacy spectrums. These products are used in isolated areas of medical facilities such as intensive care units or oncology and are also appropriate

for general use in case of outbreaks. Protect level products minimize the risk of patients acquiring additional infectious diseases, thereby protecting people's health. Protect level products offer broad and comprehensive efficacies adding mycobactericidal, fully virucidal and sporicidal to their claims.²

Hygiene levels in the catalogue

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



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

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

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

Contents and goals of a HACCP concept

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

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

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

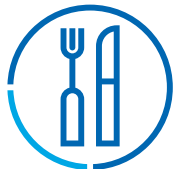
HACCP conformity at Dr. Schumacher

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

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

Advantages of our HACCP-compliant products

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



USE IN HACCP CONCEPTS



READY-TO-USE SURFACE DISINFECTION



CONCENTRATES FOR SURFACE DISINFECTION



READY-TO-USE DISINFECTION WIPES



HAND DISINFECTION

HAND CLEANSING, CARE AND PROTECTION



RECOMMENDED PRODUCTS

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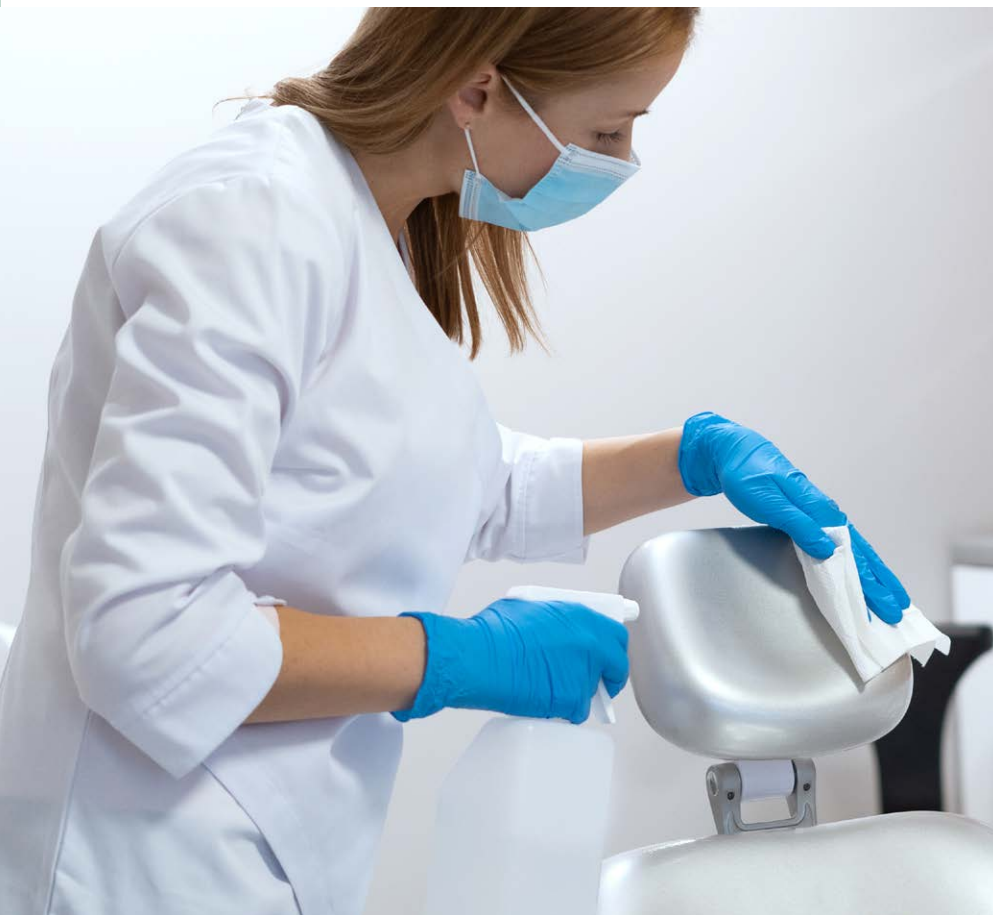
	Application Method			Properties			Active Ingredients			Spectrum of Efficacy										Listing
	Wipe disinfection	Rapid disinfection	Cleaning	Alcoholic	Alcohol-free	Perfume-free	QAV	Peracetic acid	Hydrogen peroxide	Ethanol	Bactericidal	Yeasticidal	Fungicidal	Tuberculocidal	Sporicidal	Active against enveloped viruses	Rota, Adeno and Noro-viruses	Virucidal	HACCP	
DESCOCEPT SPEZIAL	•	•	•		•	•	•				•	•				•			•	
DESCOCEPT SENSITIVE	•	•	•	•		•				•	•	•		•			•			•
DESCOCEPT PUR	•	•	•	•		•				•	•	•		•			•			•
ULTRASOL OXY®	•	•	•		•	•		•	•		•	•	•	•	•			•		•

SURFACE

Rapid Disinfection

**Efficient routine disinfection**

Whether targeted or routine disinfection, ready-to-use solutions from Dr. Schumacher make disinfecting small, medium and large areas simple and quick. Whether alcohol based or alcohol-free, these rapid disinfectants are suitable for both spraying and wiping, offering a time-saving solution for medical area as well as for the food sector and commercial kitchens.



PREVENT



DESCOSEPT SPEZIAL

Alcohol-free rapid disinfectant

- Particularly suitable for alcohol-sensitive surfaces and medical devices
- Short contact times allow for rapid re-use of surfaces
- Cleaning and disinfection in one step
- Ideal for surfaces made of acrylic glass

DESCOSEPT SPEZIAL is an alcohol-free, ready-to-use solution for disinfection and cleaning of medical inventory, medical devices and all kinds of surfaces. Suitable for alcohol-sensitive medical devices, surfaces and acrylic glass. Based on quaternary ammonium compounds, DESCOSEPT SPEZIAL is alcohol, aldehyde, phenol and perfume-free.

PRESERVE



DESCOSEPT SENSITIVE

Alcoholic rapid disinfectant

- Efficient disinfection and cleaning performance
- Wide range of applications for daily work
- Good material compatibility with low ethanol content
- Ideally suited for use in the food industry

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 near patient areas in which a broad spectrum of efficacy is required. Aside from providing effective disinfection within a short time, the product offers a very good material compatibility.

Spectrum of efficacy and contact time

	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection with and without mechanical action	1 min ¹ 5 min ²		

Composition – 100 g solution contain

0,5 g Alkyl (C12-16) dimethylbenzyl ammonium chloride
0,25 g Didecylmethyl ammonium chloride

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

¹ Wiping disinfection. ² Spray disinfection.

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

Spectrum of efficacy and contact time

	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection with and without mechanical action	2 min ¹ 5 min ²	3 min ¹ 5 min ²	
Application recommendation for tuberculocidal surface disinfection with and without mechanical action		1 min	

Composition – 100 g solution contain

45 g Ethanol

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

Low ethanol content for good material compatibility



Time saving application

As a ready-to-use solution in various application forms – **DESCOSEPT SENSITIVE** offers maximum flexibility for the user. This portfolio is optimally tailored to convenient and time-saving application for routine disinfection in all hygiene-relevant areas.

Extensive efficacy

DESCOSEPT SENSITIVE offers a comprehensive efficacy with the shortest possible contact times in the mid-level range. Coronaviruses and Noroviruses are inactivated within 1 minute. It also offers excellent material compatibility. The **DESCOSEPT SENSITIVE** family, with its carefully balanced, low alcohol formula, is appropriate for disinfection of a wide range of materials and surfaces – including displays, control panels or stethoscopes to name a few.



Residue-free

PRESERVE

PROTECT

VAH
IHO
ÖGHMP
HACCP



DESCOSEPT PUR

Alcoholic rapid disinfectant

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

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

Spectrum of efficacy and contact time

	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection with and without mechanical action	5 min	5 min	
Application recommendation for tuberculocidal surface disinfection		30 sek	

Composition – 100 g solution contain

45 g Ethanol

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

VAH
IHO
ÖGHMP
HACCP



For the final disinfection of semi-critical medical devices

ULTRASOL OXY®

Oxidative rapid disinfectant

- Broad spectrum of efficacy including virucidal and sporicidal efficacy according to current standards (see table)
- Effective against *Clostridioides difficile* within 5 min (EN 17126)
- High material and product compatibility due to oxidative base
- No toxic or polluting residues

ULTRASOL OXY is a ready-to-use rapid disinfectant with a broad spectrum of efficacy (see table) against bacteria and viruses including spores. The oxidative-based rapid disinfectant is used for cleaning and disinfecting medical devices, medical inventory and surfaces in areas with increased efficacy requirements. Due to its oxidative base, ULTRASOL OXY has a high level of material compatibility and can be used on almost all materials. It leaves no toxic or environmentally harmful residues on the surface.

Spectrum of efficacy and contact time

	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection	1 min	1 min	5 min
Application recommendation for tuberculocidal surface disinfection			5 min
Application recommendation against <i>C. diff.</i>			5 min
Application recommendation for sporicidal surface disinfection			15 min

Main active ingredients – 100 g solution contain

7 g Hydrogen Peroxide

0,1 g Peracetic Acid

Single Unit	Unit	Content	REF
bottle	6	2L	00-270-020



ULTRASOL OXY®

EFFICIENT RAPID DISINFECTION FOR ROUTINE DISINFECTION
AND IN THE EVENT OF AN OUTBREAK

**The ideal
solution**

Compatible

Oxidative basis means compatible
with nearly all materials

Effective

Broad spectrum of efficacy¹
including virucidal and
sporicidal according to
current standards

Fast

Effective against *C. difficile*
within 5 minutes (EN 17126¹)

Biocompatible

No toxic byproducts or residues

Easy to use

Ready-to-use disinfectant for
semi-critical medical devices,
medical inventory and surfaces



Inhalt/Content:

2 L e



	Application Method		Properties		Active Ingredients				Spectrum of Efficacy								Listing
	Wipe disinfection	Cleaning	Alcoholic	Alcohol-free	Perfume-free	QAV	Alkylamines	Peracetic acid	Bactericidal	Yeasticidal (C. albicans)	Fungicidal	tuberculocidal	Sporicidal	Active against enveloped viruses	Rota, Adeno and Noro-viruses	Virucidal	
CLEANISEPT®	•	•	•	•	•				•	•				•			•
OPTISAL® N	•	•	•				•		•	•		•		•			
OPTISAL® PLUS	•	•	•	•	•		•		•	•	•	•			•		•
ULTRASOL® ACTIVE	•	•	•	•				•	•	•	•	•	•			•	•

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

SURFACE

Concentrates for Surface Disinfection



Focused on your requirements

Whether floors in patient rooms, operating theaters or treatment units, surfaces in public facilities and commercial kitchens, medical equipment and medical devices – concentrates from Dr. Schumacher offer a suitable solution for a wide range of surfaces and hygienic requirements.

These concentrates clean and disinfect at the same time. Dr. Schumacher concentrates are suitable for routine disinfection as well as for outbreak situations and for industrial, medical and food areas. The products may be used on sensitive surfaces and can be flexibly dosed as needed for an economical application.



PREVENT

PREVENT



VAH

IHO

ÖGHMP

HACCP

CLEANISEPT®

Liquid concentrate for surface disinfection and cleaning

- **Effective disinfection & cleaning in one step**
- **Good material compatibility especially on alcohol-sensitive surfaces**
- **Color and perfume-free**

CLEANISEPT is a combination preparation for disinfecting and cleaning non-invasive medical devices. CLEANISEPT is based on quaternary ammonium compounds. It is perfume-free, contains neither aldehydes nor phenols and is characterized by good cleaning strength. CLEANISEPT is designed for the disinfection of non-porous surfaces. In addition to meeting high hygienic standards, it is particularly suitable for areas in which odor nuisance must be avoided. CLEANISEPT has good material compatibility and may also be used on acrylic glass.



VAH

IHO

ÖGHMP

OPTISAL® N

Liquid concentrate for surface disinfection and cleaning

- **Excellent material compatibility**
- **Low cleaning effort due to combination of very good cleaning and disinfection performance**
- **No odor nuisance due to pleasant fresh 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. Sticky residues or adhesive effects on surfaces are avoided thanks to its QAC (quaternary ammonium compounds)-free formulation. 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.

Spectrum of efficacy and contact time

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

Composition – 100 g solution contain

6,66 g alkyl (C12-16) dimethylbenzylammonium chloride
3,33 g didecylidimethylammonium chloride

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

Spectrum of efficacy and contact time

	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

Composition – 100 g solution contain

7,2 g N-(3-Aminopropyl)-N-dodecylpropan-1,3-diamine

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

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

Applicable as part of an HACCP concept

PRESERVE

PROTECT



VAH
IHO
ÖGHMP
HACCP

OPTISAL® PLUS

Liquid concentrate for surface disinfection and cleaning

- Improved water hardness stability
- High efficiency due to broad spectrum of efficacy
- Particularly suitable for alcohol-sensitive surfaces

OPTISAL PLUS is a liquid concentrate for disinfection and cleaning of near-patient surfaces as well as non-invasive medical devices. 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 enveloped viruses (HBV, HIV, HCV), OPTISAL PLUS is highly effective against adenovirus, norovirus and rotavirus. OPTISAL PLUS also demonstrates strong bactericidal, levurocidal, and tuberculocidal efficacy while being entirely odorless and perfume-free.

Spectrum of efficacy and contact time

	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

Composition – 100 g solution contain

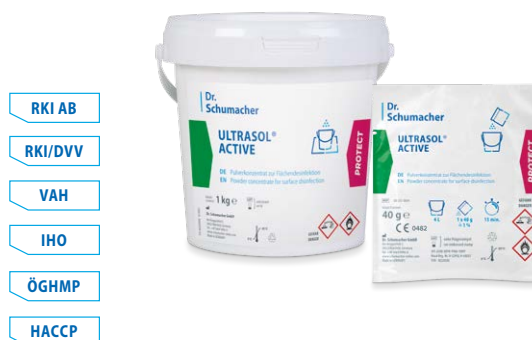
7,2 g N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

6,6 g alkyl(C12-16)dimethylbenzylammonium chloride

2,3 g didecylmethylammonium chloride

Single Unit	Unit	Content	REF
sachet	200	20 ml	00-245-0002-01E
dosage bottle	10	1 L	00-245-010-01E
canister	3	5 L	00-245-050-01E

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



RKI AB
RKI/DVV
VAH
IHO
ÖGHMP
HACCP

ULTRASOL® ACTIVE

Powder concentrate for surface disinfection and cleaning

- Reliable disinfection even in the event of an outbreak
- Broad spectrum for high efficacy requirements
- Highly compatible with nearly all materials
- Excellent compatibility with other disinfecting agents
- Suitable for final disinfection

ULTRASOL ACTIVE is a powder concentrate that offers a broad spectrum of efficacy for disinfecting and cleaning all types of surfaces. The conveniently dust-free powder ensures precise and reliable dosing. ULTRASOL ACTIVE is RKI AB-listed and is ideal for surface wipe disinfection in routine use with high efficacy demands, as well as for disinfection during outbreaks. The product's active ingredient, peracetic acid, is generated in a mildly alkaline application solution, delivering broad-spectrum efficacy, excellent material compatibility, and good cleaning performance. Even in the presence of high organic loads, ULTRASOL ACTIVE maintains its effectiveness, effortlessly and safely removing dried blood residues. Perfume-free and low-odor, it is suitable for all environments requiring maximum efficacy, exceptional user safety, and reliable cleaning performance.

Spectrum of efficacy and contact time

	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection	1 % – 5 min 0,5 % – 15 min	1 % – 5 Min 0,5 % – 15 Min	2 % – 15 min 1 % – 60 min

Application recommendation for tuberculocidal surface disinfection 2 % – 15 min, 1 % – 60 min

Application recommendation for sporidicidal surface disinfection 2 % – 15 min, 1 % – 30 min

Composition – 100 g solution contain

Active substance: > 750 ppm peracetic acid generated from tetraacetythylenediamine (250 g/kg) and sodium percarbonate (450 g/kg). The active substance is released when the product is dissolved in water (in-situ, 10 g/l for a 1 % solution)

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





	Application Method		Properties			Active Ingredients			Spectrum of Efficacy								Listing
	Rapid disinfection	Cleaning	Alcoholic	Alcohol-free	Perfume-free	QAV	Peracetic acid	Hydrogen peroxide	Bactericidal	Yeasticidal (C. albicans)	Tuberculocidal	Sporicidal	Active against enveloped viruses	Rota, Adeno und Noro-viruses	Virucidal	HACCP	
CLEANISEPT® WIPES	•	•		•	•	•			•	•			•				
CLEANISEPT® WIPES MAXI	•	•		•	•	•			•	•			•				•
DESCOCEPT SPEZIAL WIPES	•	•		•	•	•			•	•			•				•
DESCOCEPT SENSITIVE WIPES	•	•	•		•				•	•	•			•			•
DESCOCEPT SENSITIVE WIPES XL	•	•	•		•				•	•	•			•			•
DESCOCEPT PUR WIPES RTU	•	•	•		•				•	•	•			•			•
CLEANISEPT® WIPES FORTE	•	•		•	•	•			•	•					•		
CLEANISEPT® WIPES FORTE MAXI	•	•		•	•	•			•	•					•		
ULTRASOL OXY® WIPES	•	•		•	•		•	•	•	•	•	•			•		•
ULTRASOL OXY® WIPES XL	•	•		•	•		•	•	•	•	•	•			•		•

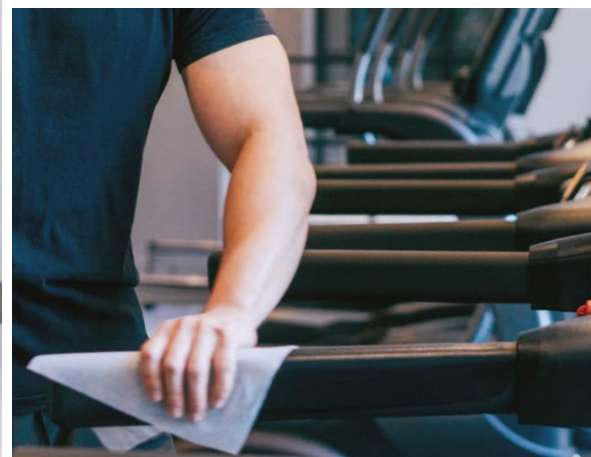
SURFACE

Rapid Disinfection Wipes

For small to large surfaces

Ready-to-use disinfectant wipes from Dr. Schumacher are optimal for quick cleaning and disinfection of a wide range of surfaces, medical devices and other medical inventories. Whether small or large areas, ultrasound probes, patient beds, food prep areas or sports equipment – our wipes are available in multiple sizes and formulations for all situations.

We use various non-woven materials combined with Dr. Schumacher's proprietary disinfectant formulations to create the right disinfectant wipe for all your needs. You have the choice between our DESOTEX and DESOTEX Bio fleece materials, which both clean efficiently and are gentle on surfaces.



PREVENT



VAH
IHO
ÖGHMP



CLEANISEPT® WIPES

Alcohol-free wipes for rapid disinfection

- Universal, comfortable and time saving application in a practical dispenser
- Basic, rapid efficacy with a wide range of applications in routine areas
- 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. The wipes have a shelf life of 90 days after the pack has been opened. 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. CLEANISEPT WIPES are effective against bacteria, yeasts (including *Candida auris*) and enveloped viruses.

PREVENT



VAH
IHO
ÖGHMP
HACCP



CLEANISEPT® WIPES MAXI

Alcohol-free wipes for rapid disinfection

- Universal, comfortable and time saving application
- Basic, rapid efficacy as well as wide range of applications in routine areas
- For disinfection of ultrasound probes for abdominal examinations

CLEANISEPT WIPES MAXI'S larger wipes are ideal for disinfecting and cleaning medium-sized surfaces in routine areas. The individual wipes are easily extracted from the re-sealable and user-friendly flowpack. CLEANISEPT WIPES MAXI are effective against bacteria, yeasts (including *Candida auris*) and enveloped viruses.

Spectrum of efficacy and contact time

	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection	1 min		

Composition – 100 g solution contain

0,5 g alkyl (C12-16) dimethylbenzylammonium chloride
0,25 g didecyltrimethylammonium chloride

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

Spectrum of efficacy and contact time

	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection	1 min		

Composition – 100 g solution contain

0,5 g alkyl (C12-16) dimethylbenzylammonium chloride
0,25 g didecyltrimethylammonium chloride

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

PREVENT



DESCOCEPT SPEZIAL WIPES

Alcohol-free wipes for rapid disinfection

- Universal, comfortable and time saving application in a traditional dispenser bucket
- Basic, rapid efficacy
- Especially suited for disinfection of large surfaces in routine areas

DESCOCEPT SPEZIAL WIPES are alcohol-free, ready-to-use wipes for rapid disinfection and cleaning of medical devices and medical inventory as well as all kind of surfaces in routine areas. DESOCEPT SPEZIAL WIPES offer a universal and time saving application for the disinfection and cleaning of large surfaces. The individual wipes are easily extraxted from the re-sealable dispenser. Each refill pack comes with an ULTRASOL OXY SACHET to ensure proper, manual reprocessing before refilling the dispenser. DESOCEPT SPEZIAL WIPES are effective against bacteria, yeasts (including Candida auris) and enveloped viruses.

Spectrum of efficacy and contact time

	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection	1 min		

Composition – 100 g solution contain

0,5 g alkyl (C12-16) dimethylbenzylammonium chloride
0,25 g didecyldimethylammonium chloride

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

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

Contact times for surface disinfection

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

What is the one-hour value?

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



DESCOCEPT SENSITIVE WIPES

Alcohol-based disinfection wipes with PET or biodegradable-fleece



- Good material and skin compatibility with low ethanol content
- Wide range of applications on surfaces and medical devices
- Efficient disinfection and cleaning performance with long durability and broad spectrum of efficacy
- Safe to use without gloves, reducing additional costs

100-wipes per pack
100 % biodegradable¹ fleece
100 % renewable raw materials

Alcohol-based wipes for rapid disinfection

DESCOCEPT SENSITIVE WIPES are alcohol-based, ready-to-use wipes for disinfection and cleaning of medical devices and medical inventory as well as all kinds of surfaces – especially sensitive surfaces in near patient areas. DESCOCEPT SENSITIVE WIPES feature a patented folding technology with an optimal ratio of non-woven wipes to impregnating solution. This ensures a quick and effective disinfection, while also being gentle on sensitive surfaces and materials. Our DESCOCEPT SENSITIVE WIPES XL are convenient and time saving. They can be used everywhere and their larger size makes them ideal for disinfecting large surfaces near the patient.

DESCOCEPT SENSITIVE WIPES Bio are a sustainable solution made from 100 % biodegradable non-woven wipes. The non-woven fleece made from renewable raw materials improves absorbency and ensures a more efficient cleaning performance. The improved wipe material enables an optimal distribution of the liquid for a range of over 2 m² per wipe. The biodegradability of our non-woven fabrics is certified according to the European Standard EN 13432.

Spectrum of efficacy and contact time

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

Application recommendation for tuberculocidal surface disinfection	3 min
--	-------

Composition – 100 g solution contain

45 g Ethanol

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

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

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

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



A sustainable solution with DESOTEX Bio

Our innovative DESOTEX Bio wipe is made from a single component – a 100 % renewable wood pulp. It is completely biodegradable and plastic-free, as confirmed by independent laboratory tests.

The impregnating liquid that gives our **DESCOCEPT SENSITIVE WIPES Bio** their effectiveness is also biodegradable. Additionally, our nonwoven raw materials are PEFC-certified, reflecting our long-standing commitment to supporting sustainable forestry.

Moreover, our **DESCOCEPT SENSITIVE WIPES Bio** with organic non-woven fleece carry the DESOTEX Bio seal. The raw materials are primarily sourced from Germany to shorten supply chains and reduce CO₂ emissions. Additionally, the production is powered by electricity from renewable energy sources.

Comprehensive efficacy

DESCOCEPT SENSITIVE WIPES Bio with DESOTEX Bio fleece offers comprehensive efficacy with short contact times. The comparatively low amount of ethanol is gentle on skin and materials. The structure of the organic Bio fleece is more durable and tear-resistant and allows for a large range of coverage on surfaces. This makes it ideal for cleaning and disinfecting medium-sized areas. **DESCOCEPT SENSITIVE WIPES Bio** excel in maintaining their effectiveness, as the impregnating liquid remains evenly distributed, ensuring consistent performance even long after production.

Patented innovation

Our patented folding technology makes the removal of individual wipes quick and easy and helps make the usability of **DESCOCEPT SENSITIVE WIPES** even more efficient. This product is available with both traditional PET non-woven and with our new and improved DESOTEX Bio fleece.



Disinfecting wipes made from PET or bio fleece.



The non-woven fleece of our Bio-Wipes is 100 % biodegradable.



Made from renewable raw materials.



Good material compatibility due to a low-alcohol formulation.



Versatile applications.



Suitable for medical devices, medical equipment, as well as all types of surfaces.



Limited virucidal PLUS in 3 minutes.



Applicable within the guidelines of an HACCP concept.

Learn more about
**DESCOCEPT
SENSITIVE WIPES**
www.bio-wipes.de





DESCOCEPT SENSITIVE WIPES XL

Alcoholic wipes for rapid disinfection

- Good material and skin compatibility with low ethanol content
- Wide range of applications on surfaces and medical devices
- Efficient disinfection and cleaning performance with long shelf life and broad spectrum of efficacy
- Safe to use without gloves, reducing additional costs

DESCOCEPT SENSITIVE WIPES XL are alcoholic, ready-to-use wipes for disinfection and cleaning of medical devices and medical inventory as well as all kind of surfaces, especially sensitive surfaces in near patient areas. DESCOCEPT SENSITIVE WIPES XL are convenient and time saving. They can be used everywhere and their larger size makes them ideal for disinfecting larger surfaces near the patient. DESCOCEPT SENSITIVE WIPES XL are effective against bacteria, yeasts, all enveloped viruses as well as noro-, rota-, and adenovirus and are mycobactericidal and tuberculocidal.

Spectrum of efficacy and contact time				
	PREVENT	PRESERVE	PROTECT	
Application recommendation for surface disinfection	2 min	3 min		
Application recommendation for tuberculocidal surface disinfection		3 min		
Composition – 100 g solution contain				
45 g Ethanol				
Single Unit	Unit	Content	Size	REF
wipes dispenser	4	120 wipes	17,5 x 36 cm	00-323DS-OSEB120E

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



DESCOCEPT PUR WIPES RTU

Alcoholic wipes for rapid disinfection

- Comfortable, time saving and versatile application
- Extensive, rapid efficacy
- Especially suited for disinfection of large-sized surfaces in near patient areas
- Residue-free rapid disinfection

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 wipes dispenser system with a re-sealable lid. DESCOCEPT PUR WIPES RTU are effective against bacteria, yeasts, all enveloped viruses as well as noro-, rota-, and adenovirus and are mycobactericidal and tuberculocidal. Each refill pack comes with an ULTRASOL OXY SACHET to ensure proper, manual reprocessing before refilling the dispenser.

Spectrum of efficacy and contact time				
	PREVENT	PRESERVE	PROTECT	
Application recommendation for surface disinfection	5 min	5 min		
Application recommendation for tuberculocidal surface disinfection		5 min		
Composition – 100 g solution contain				
45 g Ethanol				
Single Unit	Unit	Content	Size	REF
pack	2	120 wipes	17,5 x 36 cm	00-323-RS120E

PROTECT

VAH

IHO

ÖGHMP



CLEANISEPT® WIPES FORTE

Alcohol-free wipes for rapid disinfection

- Universal, comfortable and time saving application
- Broad, rapid effectiveness and a wide range of applications in areas with increased efficacy requirements
- For virucidal disinfection of ultrasound probes for transvaginal and abdominal examinations

CLEANISEPT WIPES FORTE are alcohol-free, ready-to-use wipes for virucidal rapid disinfection and cleaning of medical devices. The wipes are based on a user-friendly formula, are completely odorless, and offer an excellent material compatibility. 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. CLEANISEPT WIPES FORTE are effective against bacteria, yeasts (including *Candida auris*) and enveloped viruses.

Spectrum of efficacy and contact time

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

Composition – 100 g solution contain

0,4 g alkyl (C12-16) dimethylbenzylammonium chloride
0,2 g didecyldimethylammonium chloride

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

**PROTECT**

VAH

IHO

ÖGHMP



CLEANISEPT® WIPES FORTE MAXI

Alcohol-free wipes for rapid disinfection

- Universal, comfortable and time saving application
- Broad, rapid effectiveness and a wide range of applications in areas with increased efficacy requirements
- For virucidal disinfection of ultrasound probes for transvaginal and abdominal examinations

CLEANISEPT WIPES FORTE MAXI are particularly suitable for disinfecting and cleaning medium-sized surfaces in areas with increased efficacy requirements due to their large wipes and extensive spectrum of efficacy. The wipes can be removed individually from the practical packaging with its resealable cover.

Spectrum of efficacy and contact time

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

Composition – 100 g solution contain

0,4 g alkyl (C12-16) dimethylbenzylammonium chloride
0,2 g didecyldimethylammonium chloride

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

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

ULTRASOL OXY® WIPES

High-level Infection Prevention



Fully virucidal
Fully sporicidal
according to EN 17846

- Broad spectrum of efficacy¹ with short contact times (see table)
- High material compatibility due to an oxidative base
- No toxic or polluting residues
- Cleaning and disinfection in one step
- Suitable for final disinfection of semi-critical medical devices
- Suitable for use in the food industry

Oxidative-based sporicidal wipes

ULTRASOL OXY WIPES are oxidative-based disinfectant wipes for cleaning and disinfecting medical devices and medical inventory in areas with increased efficacy requirements. The wipes have a broad spectrum of efficacy¹ against bacteria and viruses, including spores. Thanks to its oxidative base, ULTRASOL OXY WIPES have a high level of material compatibility and can be used on almost all materials. It leaves no toxic or environmentally harmful residues on surfaces. Our ULTRASOL OXY WIPES XL are ideal for disinfecting large surfaces, thanks to their large wipe size, ensuring efficient and thorough coverage. The pre-saturated wipes allow convenient and time saving application, even when used in difficult conditions.

Spectrum of efficacy and contact time

	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection	5 min	5 min	5 min
Application recommendation for tuberculocidal surface disinfection			5 min
Application Recommendation against C. Diff.			5 min
Application recommendation for sporicidal surface disinfection			15 min

Main active ingredients – 100 g solution contain

7 g Hydrogen Peroxide
0,1 g Peracetic Acid

Single Unit	Unit	Content	Size	REF
flowpack	6	108 wipes	20 x 20 cm	00-270-T108E
dispenser system	4	120 Wipes	17,5 x 36 cm	00-270-OSEB120E

¹ bactericidal, levurocidal, tuberculocidal, mycobactericidal, sporicidal, fungicidal and virucidal

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

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

RELIABLE DISINFECTION

Sporicidal. Effective. ULTRASOL OXY®



Sporicidal disinfection

With the **ULTRASOL OXY** products, we offer you a powerful solution for the efficient disinfection of medical devices and all types of surfaces. The fast contact times and broad spectrum of efficacy¹, including sporicidal efficacy (see table on the left), make these products ideal for both routine disinfection and outbreak situations. This eliminates the need for additional products, simplifying both application and storage.

Excellent biocompatibility

Through intensive research and development, we have successfully combined broad-spectrum efficacy¹ (see table on the left) with high material and biocompatibility. The active ingredients, peracetic acid and hydrogen peroxide, break down into ecologically friendly byproducts: oxygen, water and acetic acid.

This makes them suitable for use on nearly all materials while ensuring excellent biocompatibility as a Class IIb medical device. Additionally, the byproducts are free from phenols and aldehydes and do not possess carcinogenic properties. As a result, rinsing after use is generally not required.





	System		Use		Standing Time		Content	Size
	Singel-use non-woven wipe dispenser system	Reusable non-woven wipe dispenser system	Routine disinfection	High risk areas	28 days	up to 60 days ¹	Wipes per roll	Wipe size
ONE SYSTEM +PLUS	•		•	•		•	100wipes	30 x 32 cm
ONE SYSTEM BASIC	•		•	•		•	120 wipes	17,5 x 36 cm
DESCO WIPES		•	•		•		50 wipes	30 x 32 cm
		•	•		•		100 wipes	30 x 32 cm
DESCO WIPES SMALL		•	•		•		70 wipes	25 x 25 cm
ECO WIPES		•	•		•		50 wipes	30 x 32 cm
		•	•		•		100 wipes	30 x 32 cm
		•	•		•		120 wipes	17,5 x 36 cm

¹ In comparison with other conventional surface disinfectants with a standing time of 28 days and a impregnation time of 30 minutes, the tested surface disinfectants from Dr. Schumacher achieved a presaturation time of only 15 minutes and an increased standing time of the filled system of 42/60 days.

SURFACE

Dry Wipe Systems

Fast and flexible

Dry wipe dispenser systems from Dr. Schumacher are the ideal, flexible solution. Combine your favorite disinfectant in with our high-quality non-woven wipes for a fast, flexible and cost-efficient surface disinfection. With our time-tested, reusable dispensers and our safe, single-use dispensers for maximum safety, Dr. Schumacher has the right system for your needs, even in high-risk areas.



ONE SYSTEM +PLUS

Efficient. Hygienic. Innovative.



- Flexible choice of disinfectant depending on the application area
- Innovative design for easy handling
- Completely recyclable bucket
- Ready-to-use after 15 minutes¹ – even in areas with a high risk of infection – up to 60 days¹ shelf life

Disposable wipe dispenser for use with disinfectant¹

ONE SYSTEM PLUS is a reliable, advanced dispenser system for disposable non-woven wipes, designed to support hygiene protocols. When used with appropriate disinfectants, it enables the hygienic preparation of medical devices, equipment, and all types of surfaces.

ONE SYSTEM PLUS is quick and practical to use. The system is prefilled with a DESOTEX non-woven wipe roll and is ready to use after only 15 minutes of soaking time after adding your disinfectant of choice. When combined with selected Dr. Schumacher products, ONE SYSTEM PLUS may be used over a period of up to 60 days as opposed to the standard 28 days for comparable products on the market. After the non-woven wipe roll has been fully used, the system can be discarded immediately, provided that any residual content is cleared – eliminating the need for reprocessing. ONE SYSTEM PLUS is designed for single use and prevents possible contamination resulting from reprocessing. 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.

Disinfectant	Standing Time ¹	4-Field Test ²	Use also in Areas with special Risk of Infection ³
ULTRASOL OXY	60 Days	●	●
OPTISAL PLUS	42 Days	●	●
CLEANISEPT	42 Days	●	●
OPTISAL N	42 Days	●	●
DESCOCEPT PUR	42 Days	●	●
DESCOCEPT SENSITIVE	42 Days	●	●
Size			
30 x 32 cm			
Single Unit			
UnitContentREF			
ONE SYSTEM PLUS2100 wipes00-915-OSEE100-01E			

¹ In comparison with other conventional surface disinfectants with a standing time of 28 days and a impregnation time of 30 minutes, the tested surface disinfectants from Dr. Schumacher achieved a presaturation time of only 15 minutes and an increased standing time of the filled system of 42/60 days.

² tested with all mandatory test organisms in line with EN 16615 (bactericidal/yeasticidal).

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

Surface disinfection: simple yet powerful

Ensuring efficient and comprehensive surface disinfection – especially in areas with an increased risk of contamination and infection – has always been a top priority for Dr. Schumacher products. The practical **ONE SYSTEM PLUS** disposable non-woven wipe dispenser system allows for easy refilling, enabling hygienic and efficient application and disinfection. Due to its user-friendly handling, the risks associated with reprocessing are minimized, and the consumption of disinfectant remains predictable.

When used with the following products, ONE SYSTEM PLUS can be utilized for a period of up to 42 or 60 days¹, depending on the product:

ULTRASOL OXY // OPTISAL PLUS // CLEANISEPT // OPTISAL N // DESCOSEPT PUR // DESCOSEPT SENSITIVE



**ULTRASOL
OXY®**
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**OPTISAL®
PLUS**
p. 35



CLEANISEPT®
p. 34



OPTISAL® N
p. 34



**DESCOSEPT
PUR**
p. 30



**DESCOSEPT
SENSITIVE**
p. 28

User-friendly and durable

This 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 efficient saturation of the entire roll, resulting in a 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 allows the user to check the fill level at a glance, making inventory planning simple and efficient. The dispenser, with its lightweight foldable construction, is made of pure polypropylene and can be flattened for disposal without any special requirements.

Tested compatibility

The DESOTEX premium wipes found in ONE SYSTEM PLUS are made from a tear-resistant, non-woven material and have been extensively tested by experts for combination with the recommended Dr. Schumacher disinfectants. **ONE SYSTEM PLUS** ensures optimal implementation of the desired disinfection measures with user-friendly handling, great cost effectiveness and demonstrated safe results.



Advantages of ONE SYSTEM⁺ PLUS

Foldable lightweight dispenser
for hassle-free recycling



Especially suited for use in
high-risk infection areas

Patented wipe dispenser
system for easy refilling and
quick wipe access

50 % extended service life¹ –
for less waste and
greater efficiency

Single-use design
helps avoid mistakes during
reprocessing and prevents
contamination

Easy and hassle-free
filling thanks to the resealable
opening

¹ In comparison with other conventional surface disinfectants with a standing time of 28 days and a impregnation time of 30 minutes, the tested surface disinfectants from Dr. Schumacher achieved a presaturation time of only 15 minutes and an increased standing time of the filled system of 42/60 days.

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

ONE SYSTEM BASIC

Efficient. Versatile. Proven.



- Compact flexi-packaging with high stability for particularly easy handling and fill-level control
- Contains DESOTEX non-woven wipes designed for saturation with disinfectants
- Ready-to-use after 15 minutes¹ with up to 60 days¹ standing time – even in areas with a increased risk of infection
- Flexible choice of disinfectant based on the specific requirements
- Space saving storage and easy disposal

Single use wipe dispenser for filling with disinfectants¹

ONE SYSTEM BASIC is an innovative single-use wipe dispenser system for effective hygiene measures. In combination with suitable disinfectants, it can be used for reliable hygienic reprocessing of medical devices and medical equipment as well as all types of surface. ONE SYSTEM BASIC is easy to use and saves you time. The system comes complete with a DESOTEX wipe roll and is ready-to-use after only 15 minutes after filling with the disinfectant of your choice. Together with Dr. Schumacher products, ONE SYSTEM BASIC can be used for a period of up to 60 days¹ rather than the standard 28 days. There's no reprocessing needed – just empty the system and dispose of it once the wipe roll is used up. ONE SYSTEM BASIC is designed for single use and rules out any possible contamination caused by reprocessing. The system is therefore ideal for use in areas with a particularly high infection risk, as well as in all the usual applications within the healthcare sector.

Disinfectant	Standing Time ¹	4-Field Test ²	Use also in Areas with special Risk of Infection ³
ULTRASOL OXY	60 Days	•	•
OPTISAL PLUS	42 Days	•	•
CLEANISEPT	42 Days	•	•
OPTISAL N	42 Days	•	•
DESCOCEPT SENSITIVE	42 Days	•	•
Size			
17,5 x 36 cm			
Single Unit			
ONE SYSTEM BASIC	4	120 wipes	00-915-OSEB120-01

¹ In comparison with other conventional surface disinfectants with a standing time of 28 days and a impregnation time of 30 minutes, the tested surface disinfectants from Dr. Schumacher achieved a presaturation time of only 15 minutes and an increased standing time of the filled system of 42/60 days.

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

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

Optimal combination of packaging and application

In addition to product efficacy, Dr. Schumacher focuses intently on the usability, flexibility and cost-effectiveness of our products. The combination of these factors led to our disposable, non-woven tissue dispenser system **ONE SYSTEM BASIC**, which enables optimal surface disinfection when used in combination with tested Dr. Schumacher disinfectants. Thanks to the use of flexible packaging, **ONE SYSTEM BASIC** not only offers a user-friendly and time saving application, but also easy disposal.

ONE SYSTEM BASIC can be used up to 42 or 60 days¹ after filling when combined with the following Dr. Schumacher products:

ULTRASOL OXY // OPTISAL PLUS // CLEANISEPT // OPTISAL N // DESCOSEPT SENSITIVE



**ULTRASOL
OXY®**
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**OPTISAL®
PLUS**
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CLEANISEPT®
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OPTISAL® N
p. 34



**DESCOSEPT
SENSITIVE**
p. 28

Easy application

The innovative single-use wipe dispenser system is simple, safe and efficient. Its design and handling are based on standard wipe dispensers, but it also offers a number of additional benefits. The opening is specifically designed for the wipe roll and allows quick access when removing the first wipe, as well as efficient saturation of the entire roll, which makes for a shorter preparation time. Filling the dispenser is intuitive and convenient for the user. The transparent pouch design allows the fill level to be checked at a glance, making it easy to re-order and plan ahead of time. The dispenser features a stand-up pouch specially designed to be particularly space-saving for both storage and disposal.

Hygienic, single-use system

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



¹ In comparison with other conventional surface disinfectants with a standing time of 28 days and a impregnation time of 30 minutes, the tested surface disinfectants from Dr. Schumacher achieved a presaturation time of only 15 minutes and an increased standing time of the filled system of 42/60 days.

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



DESCO WIPES

Dispenser bucket

- Reusable dispenser bucket for use with non-woven ECO WIPES and suitable surface disinfectant
- Each refill comes with an ULTRASOL OXY Sachet for reprocessing

DESCO WIPES is a reusable wipes dispenser system for cleaning and disinfection. DESCO WIPES consists of a reusable wipe dispenser bucket and corresponding non-woven rolls for refilling. It can be used in combination with both ready-to-use, rapid disinfectants as well as disinfectant concentrates, making it a flexible solution for your varying hygiene needs. DESCO WIPES may be used for cleaning and disinfection of medical devices, medical equipment and surfaces of all kinds. Each refill comes with an ULTRASOL OXY SACHET to ensure proper manual reprocessing before reusing the dispenser.

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

DESCO WIPES

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

DESCO WIPES SMALL

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

Dispenser bucket

- Reusable dispenser bucket for use with non-woven DESCO WIPES and suitable surface disinfectant
- Each refill comes with an ULTRASOL OXY Sachet for reprocessing

ECO WIPES consists of a reusable non-woven wipe dispenser system paired with compatible refill rolls of non-woven wipes. It offers high flexibility, as it can be used with both ready-to-use rapid disinfectants and application solutions prepared from disinfectant concentrates. The wipes are made from premium DESOTEX non-woven material, ensuring reliable performance. Each refill pack includes an ULTRASOL OXY SACHET, allowing for manual hygienic reprocessing of the dispenser before refilling.

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

ECO WIPES

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

Maximum Hygiene – Made in Germany

Germany is known for some of the highest hygiene standards worldwide. Reprocessing not only requires disinfection, but also the elimination of spores.

Dr. Schumacher meets these demands with **sporicidal wipes** included with every roll – ideal for safely reprocessing **reusable dispenser buckets**.

Rely on Dr. Schumacher for uncompromising hygiene.

**Reliable. Effective.
Sporicidal reprocessing.**





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

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

HAND AND SKIN

Decontamination

Skin-friendly patient cleansing

Full-body cleansing significantly reduces the number of bacterial pathogens on the skin and lowers the risk of sepsis in patients. Dr. Schumacher's products contain the active ingredient chlorhexidine, which is highly effective in antimicrobial cleansing of skin and hair – especially against bacteria and multidrug-resistant organisms such as MRSA and *A. baumannii*.

These products are particularly gentle, thanks to the inclusion of mild surfactants and rehydrating agents. All products are also dermatologically tested, making them suitable for patients with sensitive skin.





PREVENT



DECONTAMAN PRE SOFT

Antimicrobial washing lotion

- For 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, hair 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. Thanks to its skin-friendly pH and nourishing ingredients, DECONTAMAN PRE SOFT offers excellent skin compatibility, making it ideal for frequent use and hygienic handwashing in compliance with the VAH guidelines and EN 1499. The formula is free from phenols, alcohol, perfumes, and dyes.

Spectrum of efficacy and contact times

Application recommendation for hygienic handwash ¹	EN 1499 / VAH	dirty conditions	1 min
efficacy against enveloped viruses	EN 14476		1 min
bactericidal	EN 13727	dirty conditions	30 s
yeasticidal (<i>C. albicans</i>)	EN 13624	dirty conditions	1 min

Composition – 100 g solution contain

2 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	5L	00-532-050E

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

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

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



DECONTAMAN PRE WIPES

Antimicrobial cleansing wipes

- For presurgical, antimicrobial patient washing without water
- Time saving, thorough cleansing and decontamination
- Broad efficacy against bacteria including multi-resistant pathogens
- Wipes may be warmed for patient comfort
- Free from phenols, alcohols and colorants

DECONTAMAN PRE WIPES are ready-to-use wipes for antimicrobial cleaning of the skin. The large wipes are made of robust, pleasantly soft non-woven fabric and are saturated with a mild disinfectant solution containing 2% chlorhexidine. It is not necessary to rinse the skin after cleaning with DECONTAMAN PRE WIPES. Thanks to the film of active ingredient that remains on the skin a 24-hour residual action against bacteria is achieved.

Spectrum of efficacy and contact time

Application recommendation for antimicrobial patient washing ¹	EN 1499 (modified)	dirty conditions	5 min
bactericidal	EN 13727	clean conditions	1 min
bactericidal	EN 13727	dirty conditions	5 min
yeasticidal (<i>C. albicans</i>)	EN 13624	clean and dirty conditions	3 min

Composition – 100 g solution contain

2 g chlorhexidine digluconate

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



DECONTAMAN PRE CAP

Antimicrobial cleansing cap

- Antimicrobial hair washing without water
- Practical and fast with an easy to use cap application
- Microwaveable for increased patient comfort
- Broad efficacy against bacteria including multi-resistant pathogens
- Latex-free, durable material

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 of the hair, especially for immobile patients, without additional rinsing with water. The antimicrobial efficacy makes the cap suitable for use in case of colonisation with multidrug-resistant bacteria. The cap is made of a very durable, latex-free material and can be heated if necessary.

Spectrum of efficacy and contact time

Application recommendation for disinfecting hair wash ¹	EN 1499 (modified)	dirty conditions	5 min
bactericidal	EN 13727	clean conditions	1 min
bactericidal	EN 13727	dirty conditions	5 min
yeastocidal (C. albicans)	EN 13624	clean und dirty conditions	3 min

Composition – 100 g solution contain

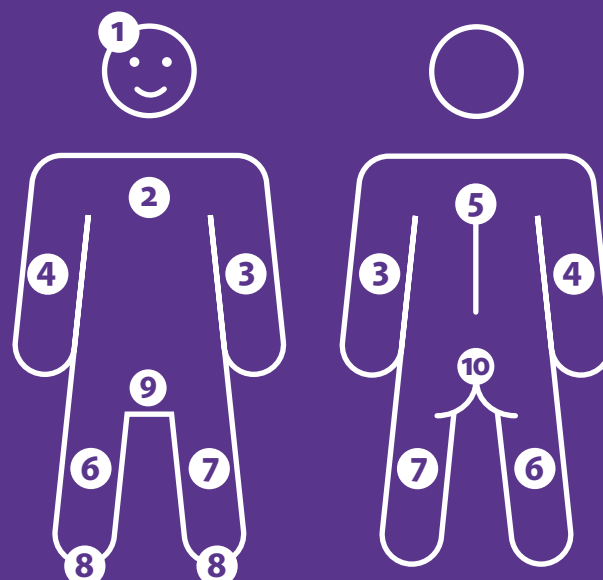
2 g chlorhexidine digluconate

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

¹ 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.

Full body washing

sequence with 10 wipes



1 Face

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

2 Chest/stomach

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

3 4 Arms

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

5 Back

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

6 7 Legs

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

8 Feet

Wash feet starting with the toes.

9 Genital area

Perform intimate care.

10 Buttocks

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

! Important:

When performing decontamination, towels should be placed under the patient so that the unwashed side of the body does not come into contact with clean linens. Avoid contact with mucous membranes. Due to hygienic reasons, wash genital area and buttocks last.





	Application Areas			Active Ingredients			Spectrum of Efficacy			Product Properties		Listing
	Hygienic hand disinfection acc. to EN 1500	Surgical hand disinfection acc. to EN 12791	Recommended for use in the food industry	Ethanol	2-Propanol	Active against enveloped viruses	Noro-, Rota- & Adenoviruses	Virucidal	Lipid replenishing	Perfume-free	Dye-free	
ASEPTOMAN®	•	•				•	•			•	•	
ASEPTOMAN® MED	•			•			•	•		•	•	•
ASEPTOMAN® FORTE	•	•		•			•	•	•	•	•	•
ASEPTOMAN® GEL	•	•		•			•	•	•	•	•	

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

HAND AND SKIN

Hand Disinfection

Versatile and reliable

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

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



**PREVENT**

VAH

IHO

ÖGHMP

ASEPTOMAN®

Alcoholic hand disinfectant

- Bactericidal, tuberculocidal, levurocidal
- Active against all enveloped viruses
- Contains emollients for skin care
- Perfume-free

Alcohol-based, perfume-free disinfectant for rubbing into the hands and skin. ASEPTOMAN has no cumulative long-term active ingredients or other additives, making it very skin-friendly. It is dermatologically tested and recommended for hand and skin disinfection for people with sensitive skin or people who are sensitive to allergies.

Spectrum of efficacy and contact time

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

Composition – 100 g solution contain

63,14 g 2-Propanol

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

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

ASEPTOMAN® MED

Alcoholic hand disinfectant

VAH

IHO

HACCP

PRESERVE

- Limited spectrum virucidal within 30 seconds
- Particularly suitable for frequent use thanks to its low alcohol content
- Effective against Noro-, Rota- and Adenoviruses within the hygienic hand disinfection
- Broad spectrum of efficacy for routine and outbreak use
- Free from perfume, dyes and QACs

ASEPTOMAN MED is well-suited for daily routine thanks to its low alcohol content and broad spectrum of efficacy. ASEPTOMAN MED is effective against noroviruses and adenoviruses in hygienic hand disinfection and fulfills the requirements for use in the case of norovirus, rota virus and adenovirus outbreaks. It is perfume-free and free of cumulative long-term active ingredients that can accumulate on the skin and cause irritation. In addition, ASEPTOMAN MED contains high-quality moisturizing and nourishing ingredients that prevent the skin from drying out.

VAH – VAH-listed for hygienic hand disinfection in 30-seconds.

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

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

**QAC-free**

Spectrum of efficacy and contact time

	PREVENT	PRESERVE	PROTECT
Application recommendation for hygienic hand disinfection	30 s	30 s	

Composition – 100 g solution contain

65 g Ethanol

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



PROTECT



VAH

IHO

HACCP

ASEPTOMAN® FORTE

Alcoholic hand disinfectant

- Virucidal in 30 seconds
- Surgical hand disinfection in 1.5 minutes
- Patented combination of alcohol and agents for optimal skin care and protection
- Perfume-free, dye-free, QAC-free

ASEPTOMAN FORTE is a virucidal, ethanol-based hand disinfectant. ASEPTOMAN FORTE achieves a comprehensive spectrum of efficacy with excellent skin compatibility. Limited spectrum of virucidal efficacy and virucidal (according to EN 14476) within 30 seconds, has been proven to increase skin hydration and softens and smoothes the skin thanks to a proven skin care system.

Spectrum of efficacy and contact time			
	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
Composition – 100 g solution contain			
85 g Ethanol			
Single Unit	Unit	Content	REF
pocket-size-bottle	20	150 ml	00-485OP-0015E
dispenser bottle	20	500 ml	00-485OP-005E
dispenser bottle	12	1 L	00-485OP-010E

¹ Compared to other virucidal hand disinfectants

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

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

PROTECT



VAH

IHO

ÖGHMP

ASEPTOMAN® GEL

Alcoholic hand disinfectant

- Bactericidal, tuberculocidal, yeasticidal, virucidal
- Practical to apply due to its gel form
- High quality ingredients and moisturizers
- Good skin compatibility with broad spectrum of efficacy
- Perfume-free, color-free, QAC-free

Virucidal, alcohol-based hand disinfection gel for application on the skin. ASEPTOMAN GEL is gentle on the skin and particularly convenient to apply thanks to its gel-based formulation. ASEPTOMAN GEL is perfume-free and free of cumulative long-term active ingredients that accumulate on the skin and can thus cause skin irritation. In addition, ASEPTOMAN GEL contains high-quality nourishing ingredients and humectants that prevent the skin from drying out. The product is compatible with all washing lotions, is phenol-free and contains no quaternary ammonium compounds.

Spectrum of efficacy and contact time			
	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
Composition – 100 g solution contain			
80,8 g Ethanol			
Single Unit	Unit	Content	REF
pocket-size-bottle	20	150 ml	00-409-0015E
dispenser bottle	20	500 ml	00-409-005E
dispenser bottle	12	1 L	00-409-010E

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

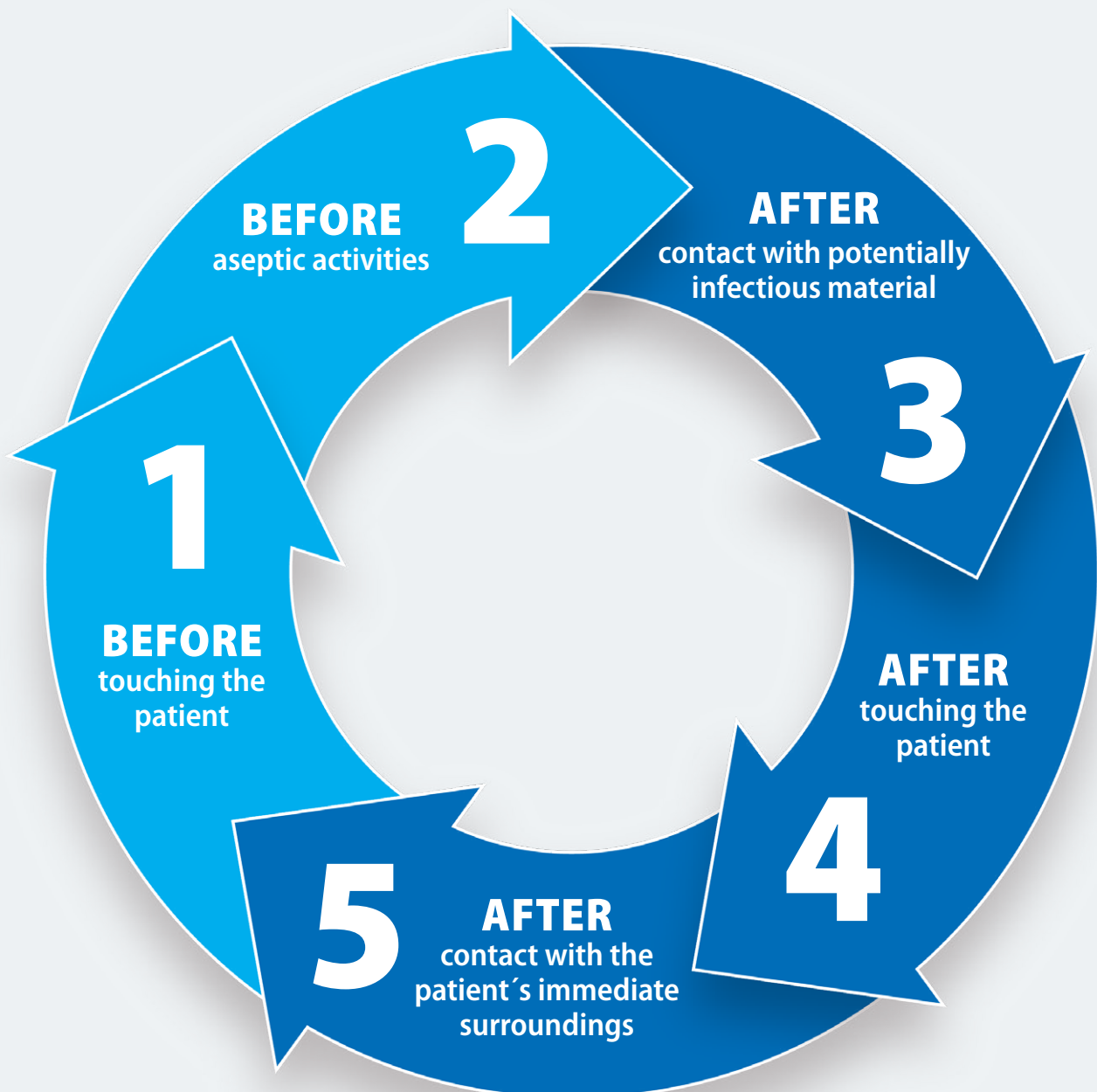
Use disinfectants safely. Always read the label and product information before use.

5 Moments of Hand Hygiene

The World Health Organization (WHO) introduced the “5 Moments of Hand Hygiene,” which remain the gold standard for hand hygiene protocols to this day. By identifying all potential moments of microbial transmission and condensing them into five key points, this framework offers a comprehensive yet practical approach. These defined moments clearly indicate when health-care professionals should perform hand disinfection.

Why are the 5 moments of hand hygiene important?

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





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

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

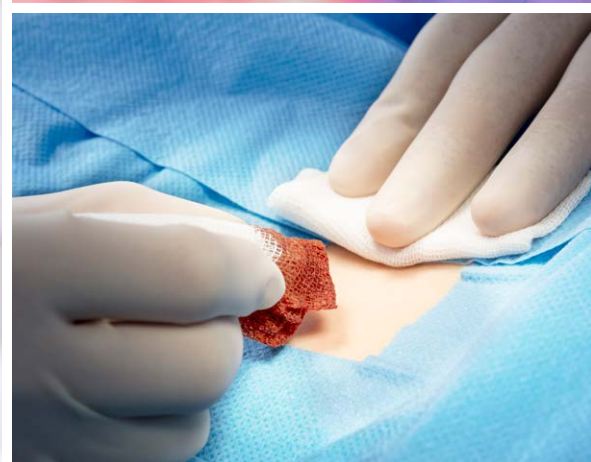
HAND AND SKIN

Skin Disinfection

Preventive reduction of harmful skin flora

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

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



For spraying
or swabbing

PREVENT



VAH

ASEPTODERM® Alcoholic skin disinfectant

- Bactericidal, yeasticidal, tuberculocidal
- Active against enveloped viruses¹
- Exceptionally gentle to the skin
- Perfume-free

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

PREVENT

For spraying
or swabbing



ASEPTODERM® 2 % CHG Alcoholic skin disinfectant

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

ASEPTODERM 2% CHG can be used for skin disinfection prior to injections, incisions, punctures, blood withdrawals, catheter insertions and minor surgical interventions. ASEPTODERM 2% CHG is aldehyde-, phenol- and QAC-free and gentle to the skin.

Spectrum of Efficacy and Contact Times

Skin Disinfection

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

Additional EN Test Results

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

Composition – 100 g solution contain

63,14 g 2-Propanol

Perfume

Single Unit	Unit	Content	REF
spray bottle	20	250 ml	00-501OP-0025-30E
dispenser bottle	10	1 L	00-501OP-010-10E

Spectrum of Efficacy and Contact Times

Skin Disinfection

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

Additional EN Test Results

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

Composition – 100 g solution contain

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

2,26 g Chlorhexidine Digluconate (CHG)

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

¹ incl. HBV/HIV/HCV

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

PREVENT



ASEPTODERM® 2 % CHG COLOURED

Colored alcoholic skin disinfectant

- Ready-to-use skin disinfectant with red dye for easy identification of disinfected skin
- Based on 70 % alcohol and 2 % chlorhexidine
- Perfume-free

ASEPTODERM 2% CHG COLOURED is a ready-to-use alcoholic skin disinfectant for spraying or swabbing of skin. It contains a red dye to mark the area which has been disinfected. ASEPTODERM 2% CHG COLOURED is aldehyde-, phenol- and QAC-free and gentle to the skin.

Spectrum of Efficacy and Contact Times

Skin Disinfection

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

Additional EN Test Results

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

Composition – 100 g solution contain

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

2,26 g Chlorhexidine Digluconate (CHG)

Contains colorants (E 122 / Azorubine)

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

WHO Recommendation

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





	Contents						Product Properties										Product Properties				Listing
	Humectants	Lipid replenishers and/or botanical oils	Skin-regenerating care agents	Silicone-free	Colorless	Perfume-free	Type of emulsion	pH skin neutral	Cream	Lotion	Suitable for dispensers	Cooling effect	Wipe size in cm	Hypoallergenic formulation	Normal skin	Dry skin	Very dry skin	Sensitive skin	HACCP		
DESCOLIND COMFORT WASH	•	•	•					•			•				•						
DESCOLIND COMFORT LIGHT CREAM	•	•	•	•	•		O/W	•		•	•				•						
DESCOLIND PURE WASH	•	•	•		•	•		•			•				•	•	•	•	•		
DESCOLIND PURE LIGHT CREAM	•	•	•	•	•	•	O/W	•		•	•				•	•	•	•	•		
DESCOLIND PURE INTENSIVE CREAM	•	•	•	•	•	•	W/O		•		•				•	•	•	•	•		
DESCOLIND EXPERT WASH	•	•			•	•		•			•			•	•	•	•	•			
DESCOLIND EXPERT LIGHT CREAM	•	•	•	•	•	•	O/W	•	•	•				•	•	•	•	•			
DESCOLIND EXPERT INTENSIVE CREAM	•	•	•	•	•	•	W/O		•					•	•	•	•	•	•		
DESCOLIND EXPERT PROTECT CREAM	•	•	•		•	•	O/W	•		•	•			•	•	•	•	•	•		
DESCOMED ÖLBAD		•	•	•	•										•	•	•				
DESCO VITAL		•		•	•			•		•	•	•			•	•	•				
DESCOLIND CARE WIPES	•		•	•	•			•					20 x 30		•	•	•	•			
DESODERM CARE WIPES	•		•	•	•	•		•					18 x 20	•	•	•	•	•			
BABY WIPES SENSITIVE	•		•	•	•	•		•					18 x 20	•	•	•	•	•			

HAND AND SKIN

Cleansing, Care and Protection

Cleansing and care for every skin type

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

With changing skin conditions in the course of working life, users can switch seamlessly between the different series.



Normal skin



DESCOLIND COMFORT WASH

Scented cleansing lotion

- Washing lotion for normal, healthy skin
- Mild surfactants for gentle cleansing of hands and skin
- Suitable for full body patient washing as well as occasional hair washing
- With allantoin, rehydrating agents and glycerin for a pleasant skin feel
- pH skin neutral

DESCOLIND COMFORT WASH is a pH skin neutral washing lotion with a pleasant, fresh scent for the mild cleansing of normal, healthy skin. DESCOLIND COMFORT WASH contains allantoin, rehydrating agents and glycerin to prevent the drying of the skin from regular hand washing. The blue color makes it easy to check the fill level when used in dispensers.

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

Normal skin



DESCOLIND COMFORT LIGHT CREAM

Scented nourishing cream

- Pleasantly scented oil-in-water emulsion for normal, healthy skin
- Absorbs quickly into the skin, reducing work interruption
- Light care cream, good for on the go
- Contains moisturizer and allantoin for a pleasant skin feeling
- pH skin neutral

DESCOLIND COMFORT LIGHT CREAM is an economical, pH skin neutral oil-in-water (O/W) emulsion for normal, healthy skin. DESCOLIND COMFORT LIGHT CREAM cares for hands following activities that stress skin, such as regular hand washing, long periods of wearing gloves, and tasks involving prolonged contact with moisture. As an O/W emulsion DESCOLIND COMFORT LIGHT CREAM leaves the skin noticeably cared for without any greasy residues. It absorbs quickly and preventing interference with routine work, making it ideal for medical staff. The light and nourishing formulation with rehydrating agents and moisturizing ingredients as well as allantoin ensures that skin feels soft and smooth. This easy-to-apply hand lotion is also suitable for full body care.

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

Sensitive skin



HACCP

DESCOLIND PURE WASH

Perfume-free cleansing lotion

- For use before surgical and hygienic hand disinfection
- Suitable for full body patient washing and occasional hair washing
- With allantoin, rehydrating agents and glycerin to prevent the skin from drying out
- Mild, pH-neutral cleanser with a pleasant skin feeling
- Perfume- and dye-free – suitable for use in the food sector (HACCP conform)

DESCOLIND PURE WASH is a pH skin neutral washing lotion for the regular cleansing of sensitive hands and skin. The rehydrating agents and glycerin prevent drying of the skin from frequent hand washing. The creamy, delicate DESCOLIND PURE WASH cleans thoroughly and is economical to use. In addition, DESCOLIND PURE WASH is free of perfumes as well as dyes and is therefore suitable for use on sensitive skin.

Sensitive skin



HACCP

DESCOLIND PURE LIGHT CREAM

Perfume-free care cream

- PH-neutral oil-in-water emulsion for normal and sensitive skin
- Absorbs particularly quickly into the skin without being greasy and reduces interruptions to work processes to a minimum
- Light care cream, also for on the go
- With moisturizer and allantoin for a pleasant skin feeling
- Perfume- and dye-free and applicable in the food sector (HACCP)

DESCOLIND PURE LIGHT CREAM is a perfume- and dye-free oil-in-water (O/W) emulsion for sensitive skin. DESCOLIND PURE LIGHT CREAM cares for hands following activities that stress skin, such as regular hand washing, long periods of wearing gloves, and tasks involving prolonged contact with moisture. As an O/W emulsion DESCOLIND PURE LIGHT CREAM leaves the skin noticeably cared for without any greasy residues. It absorbs quickly-preventing interference with routine work, making it ideal for medical staff. The light and nourishing formulation with rehydrating agents and moisturizing ingredients as well as allantoin ensures that skin feels soft and smooth. This easy-to-apply hand lotion is also suitable for full body care.



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

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

Sensitive skin
Dry skin



HACCP

DESCOLIND PURE INTENSIVE CREAM

Perfume-free intensive care cream

- Intensive water-in-oil skin care with panthenol, sunflower and almond oil
- Absorbs quickly into the skin
- Contains glycerin as a humectant
- Extra care, especially after skin-stressing activities
- Perfume- and dye-free and therefore applicable in the food sector (HACCP)

DESCOLIND PURE INTENSIVE CREAM is a water-in-oil (W/O) intensive moisturizing cream that richly nourishes sensitive and dry skin with rehydrating agents as well as sunflower and almond oil. Despite its rich formulation, DESCOLIND PURE INTENSIVE CREAM absorbs quickly into the skin and is therefore ideal for hand care after activities that stress the skin, such as frequent hand washing, wearing gloves for long periods, and tasks involving prolonged contact with moisture.

Allergy-prone skin



DESCOLIND EXPERT WASH

Hypoallergenic¹ cleansing lotion

- Hypoallergenic¹ pH skin neutral wash lotion for allergy-prone skin
- Mild surfactants for gentle cleansing of hands and skin
- Also suitable for patient washing and occasional hair washing
- With nourishing glycerine and almond oil for a pleasant skin feel
- Perfume- and dye-free and therefore applicable in the food sector

DESCOLIND EXPERT WASH is a perfume- and dye-free skincare wash lotion for gentle cleansing of allergy-prone hands and skin. This mild wash lotion is based on high-quality ingredients like glycerin and almond oil as well as skin-friendly cleansing surfactants. DESCOLIND EXPERT WASH counteracts the negative, drying effects of regular hand washing.

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

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

¹ Allergy risks minimized. Allergy risks can never be completely ruled out.

Allergy-prone skin



HACCP



DESCOLIND EXPERT LIGHT CREAM

Hypoallergenic¹ care cream

- pH-neutral oil-in-water emulsion for skin prone to allergies
- Absorbs quickly into the skin, reducing interruptions to work processes
- Light care cream, good for on the go
- Contains shea butter, almond oil and vitamin E for a pleasant skin feeling

DESCOLIND EXPERT LIGHT CREAM is a perfume- and dye-free oil-in-water (O/W) emulsion for care of sensitive and allergy-prone skin. The high-quality, nourishing ingredients ensure a smooth and supple skin feeling. DESCOLIND EXPERT LIGHT CREAM contains natural, conditioning substances such as almond oil and shea butter. DESCOLIND EXPERT LIGHT CREAM is particularly suited for use by atopic people and those with allergies.

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

¹ Allergy risks minimized. Allergy risks can never be completely ruled out.

Skin care for happy, healthy hands

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

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



Allergy-prone skin



HACCP



DESCOLIND EXPERT INTENSIVE CREAM

Hypoallergenic¹ intensively nourishing cream

- Water-in-oil emulsion for allergy-prone skin
- Absorbs quickly into the skin, leaving a smooth protective film that protects the skin from water-soluble substances
- Intensive care cream, good for on the go
- Contains vitamin E, glycerin and beeswax for a pleasant skin feel
- Perfume- and dye-free

DESCOLIND EXPERT INTENSIVE CREAM was developed to protect allergy-prone skin during everyday work and for intensive skincare. The water-in-oil (W/O) emulsion is easy to apply and absorbs quickly, leaving a soft, non-greasy protective film behind. DESCOLIND EXPERT INTENSIVE CREAM is suitable for daily use prior and after activities that stress the skin, such as frequent hand washing, wearing gloves for long periods, and tasks involving prolonged contact with moisture. In addition to its protective function, DESCOLIND EXPERT INTENSIVE CREAM nourishes the skin with conditioning and moisturizing ingredients as well as vitamin E. DESCOLIND EXPERT INTENSIVE CREAM contains 15 % lipids.

Single Unit	Unit	Content	REF
tube	12	100 ml	00-622OP-001-02

Allergy-prone skin



HACCP



DESCOLIND EXPERT PROTECT CREAM

2 in 1 skin protection and care cream

- Perfume and dye-free oil-in-water skincare and protection cream for allergy-prone skin
- Unique dual action formulation protects the skin against water-soluble substances while nourishing and moisturizing at the same time
- Protective effect confirmed by test methods (in accordance with TRGS 401/ABD)

DESCOLIND EXPERT PROTECT CREAM with 2 in 1 effect was specially developed to protect and care for sensitive and allergy-prone hands while you work. The oil-in-water (O/W) formulation is extremely easy to apply, absorbs quickly into the skin and minimizes work interruptions. DESCOLIND EXPERT PROTECT CREAM contains nourishing lipids and conditioning ingredients like witch hazel, which leave your skin feeling smooth and supple. It is suitable for daily use before activities that are hard on the hands and provides protection in wet environments, preventing cracked and chapped skin. The protective effect of DESCOLIND EXPERT PROTECT CREAM against water-soluble substances (surfactants and alkalines) has been verified using recognized testing methods. DESCOLIND EXPERT PROTECT CREAM is also perfume-free, meeting requirements for use in the food industry (HACCP). It is also suitable for use in wall dispensers.

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

¹ Allergy risks minimized. Allergy risks can never be completely ruled out.



DESCOMED ÖLBAD

Medical oil bath

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

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



DESCO VITAL

Vitalising gel for application on skin

- Pleasant cooling, relaxing and vitalizing effect
- Contains medicinal herbs such as spruce needles, eucalyptus, juniper and thyme
- With emollients

DESCO VITAL is a hydro gel with essential oils from spruce needles, eucalyptus, juniper berries and thyme to revitalize the skin. DESCO VITAL provides an active cooling, relaxing effect after strenuous physical activity. It is suitable for use during sports and massages and in care facilities as well as other areas where a relaxing and revitalizing effect is desired. DESCO VITAL has a pleasant, fresh scent and has moisturizing properties for a soft skin feel.



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

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

100% recyclable
packaging



DESCOLIND CARE WIPES

Nourishing cleansing wipes
for gentle patient washing

- With panthenol and allantoin for gentle patient washing
- Practical and quick to apply
- Microwaveable
- Also suitable for stoma care and cleaning the stoma area

DESCOLIND CARE WIPES are ready-to-use wipes for cleansing and care of the skin. They provide a time saving and thorough cleaning of immobile patients. The 10 wipes package is designed for full body washing – no rinsing required! Due to very mild, plant-based surfactants and care ingredients like allantoin and panthenol, DESCOLIND CARE WIPES provide gentle washing with nourishing skin care and a pleasant scent. The large washcloths are made of durable, soft non-woven material and may be warmed prior to use for patient comfort.

Single Unit	Unit	Content	Size	REF
package	24	10 wipes	20 x 30 cm	00-604DW1-To10-01

100% recyclable
packaging



DESODERM CARE WIPES

Cleansing wipes
for sensitive skin

- Cleansing and caring
- Extra soft wipe material
- Alcohol- and perfume-free
- Approved by the German Allergy and Asthma Association e.V. (DAAB)

DESODERM CARE WIPES gently cleanse sensitive skin and are therefore suitable for daily use. A mild, plant-based surfactant and nourishing ingredients such as aloe vera, allantoin and glycerin allow DESODERM CARE WIPES to both cleanse and soothe the skin. The non-woven wipes are very soft and comfortable on the skin, allowing for gentle cleansing.

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

100% recyclable
packaging



BABY WIPES SENSITIVE

Cleansing wipes for mild
babycare

- With aloe vera and allantoin
- Alcohol- and perfume-free
- Hypoallergenic¹ formulation for sensitive skin
- composition with skin-friendly pH-value

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 based on herbal and skin-soothing ingredients like aloe vera and allantoin. The formulation is ÖKO-TEST (German ecological testing) compliant, perfume-free and therefore approved by the German Allergy and Asthma Association e. V. (DAAB). The wipes are very soft and allow for gentle cleansing. The practical packaging design with a resealable lid and patented folding technology, allows for easy removal of individual wipes.

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

¹ Allergy risks minimized. Allergy risks can never be completely ruled out.

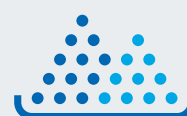


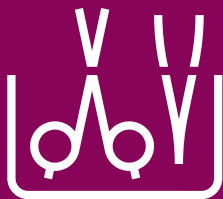
Truly

better

recyclability

Recycling and reusing materials is a critical part of environmental protection. It seems simple, but in our industry, it's not always easy to implement. Existing regulations and quality standards for our products are high. At Dr. Schumacher, we still manage to meet these requirements while increasingly switching our wipes packaging to **mono-composite films**. Mono-composite films consist of only one material, making them recyclable. We have already switched 60 % of our films to mono-composite materials and plan to **increase the proportion of recyclable films to 80 % in the near future.**





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

¹ Fully virucidal disinfectants for final instrument disinfection – without subsequent thermal sterilization

² Cleaners without disinfecting properties are not included in the Dr. Schumacher hygiene levels.

³ Always includes bactericidal and yeasticidal (*C. albicans*) efficacies.

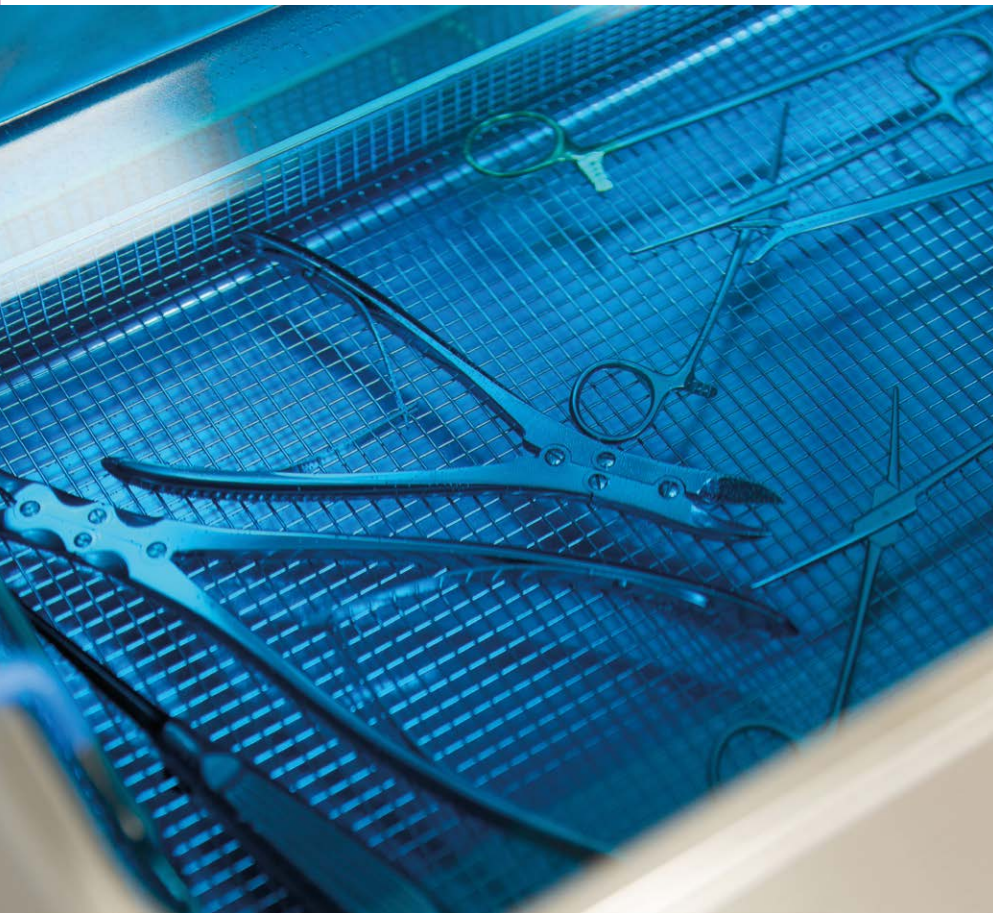
INSTRUMENTS

Manual Reprocessing

Powerful and user-friendly

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

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





PLURAZYME® EXTRA

Multi-enzymatic cleaner for reprocessing surgical instruments and endoscopes

- **Reliable, powerful cleaning as the basis for reprocessing**
- **PLURAZYME EXTRA reduces maintenance costs thanks to excellent preservation of high-quality medical devices**
- **High compatibility with other process chemicals and flexible application (e.g. ultrasonic bath) ensure easy integration into work processes**
- **Low dosage, biodegradable surfactants and enzymes as natural cleaning boosters complement each other to create an environmentally friendly product concept**

PLURAZYME EXTRA is a cleaning concentrate well-suited for the manual reprocessing of a variety of medical devices. Its extensive material compatibility makes it suitable for cleaning surgical instruments as well as both rigid and flexible endoscopes. The pleasant scent and high cleaning power ensure comfortable use, whether in an immersion or ultrasound bath. The active formula of 3 enzymes and non-ionic surfactants penetrates and dissolves a wide range of organic contaminants – from coagulated blood to mucus to fat – without fixing. Compatibility with other cleaners and disinfectants ensures that PLURAZYME EXTRA can be easily and flexibly integrated into your processes.

Application and dosage recommendation for cleaning

Depending on the degree of pollution	0,4 – 2 % (4 ml/L – 20 ml/L) max. 40 °C mind. 5 min
Recommendation for ultrasonic baths	0,25 % (2,5 ml/L) max. 40 °C mind. 5 min

Composition – 100 g solution contain

5 – 15 % non-ionic surfactants

Enzymes

Preservative didecylmethyl poly(oxyethyl)ammonium propionate

Contains perfumes: Limonene

Single Unit	Unit	Content	REF
dispenser bottle	10	1 L	00-138-010-01
bottle	12	1 L	00-138-010E
canister	3	5 L	00-138-050-02E



MANUSHIELD® CLEANER

Liquid detergent cleaner for instruments and endoscopes

- **pH 8.0 and gentle to materials**
- **Good cleaning strength and easy to integrate**
- **Perfume-free**

MANUSHIELD CLEANER is a concentrate for the thorough cleaning of flexible and rigid endoscopes as well as surgical and dental/medical instruments. Its mild, material-friendly formulation makes MANUSHIELD CLEANER great for cleaning flexible endoscopes. The surfactant-based, perfume-free formulation can be dosed economically and may be used in ultrasonic baths. It is also compatible with the following Dr. Schumacher disinfectants, making it easy to integrate MANUSHIELD CLEANER into reprocessing procedures: PERFECTAN ENZYME, PERFECTAN NEU, PERFECTAN ENDO, PERFECTAN TB, PERFECTAN ACTIVE and DESCOTON EXTRA.

Application and dosage recommendation for cleaning

Cleaning of endoscopes as well as medical and surgical instruments	1 % (10 ml/L) Depending on the degree of pollution: 0,25 % (2,5 ml/L) – 5 % (50 ml/L)
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Composition – 100 g solution contain

5 – 15 % non-ionic surfactants

Preservative didecylmethyl poly(oxyethyl)ammonium propionate

Single Unit	Unit	Content	REF
bottle	6	2 L	00-104-020-02E
canister	3	5 L	00-104-050-01E



ORANGE SOLVENT

Special cleaner for surface cleaning of medical devices

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

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



Recommended application

Apply ORANGE SOLVENT to a towel or disposable cloth and rub onto the areas to be treated.

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

Manual disinfection of flexible endoscopes

Endoscope disinfection is more complicated than other instrument disinfection due to the many small services where contaminants may hide. Because visual inspection of all surfaces isn't possible, proper reprocessing procedures are critical for patient safety. Usually, the process is regulated by local guidelines and subject to validation requirements.

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

The following recommendations should be considered for manual disinfection:

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

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

www.schumacher-online.com



PERFEKTAN® ENZYME

Multi-Enzymatic Disinfecting Cleaner

VAH

IHO

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

- For pre-cleaning without fixation
- High value retention of instruments and medical devices due to neutral pH value
- Disinfecting effect for extra personnel protection
- Synergistic performance through multi-enzyme complex with surfactants

PERFEKTAN ENZYME is an intelligent disinfectant cleaner for the manual reprocessing of thermostable and thermolabile medical devices, such as surgical instruments and flexible endoscopes. PERFEKTAN ENZYME achieves a good cleaning result due to its powerful multi-enzyme complex of four enzymes and selected surfactants. The QAC based disinfectant cleaner provides an advantage in terms of occupational safety without the use of aldehydes or amines. The neutral pH value ensures good material compatibility and preserves the value of medical devices. PERFEKTAN ENZYME is also suitable for use in ultrasonic baths.



Spectrum of efficacy and contact time

	PREVENT	PRESERVE	PROTECT
Application recommendation for disinfecting cleaning of flexible endoscopes and for disinfection of surgical instruments	3 % – 5 min 1 % - 15 min		

Composition – 100 g solution contain

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

0,5 g N,N-Didecyl-N,N-dimethylammoniumcarbonate

5 - 15 % Non-ionic surfactants

Contains perfumes: Limonene, Linalool, Geraniol

Enzymes: Protease, Amylase, Lipase, Cellulase

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

PREVENT

VAH

IHO

PERFEKTAN® NEU

Aldehyde-free concentrate for instrument cleaning and instrument disinfection

- **Effective against TB**
- **Good cleaning properties**
- **Suitable for cleaning surgical instruments in an ultrasonic bath**

PERFEKTAN NEU is a liquid concentrate with powerful cleaning properties based on alkylamines. The aldehyde- and phenol-free formulation offers high material compatibility as well as user-friendly instrument reprocessing and inhibits protein fixation during cleaning. User safety is guaranteed due to the disinfecting properties of PERFEKTAN NEU. PERFEKTAN NEU is suitable for non-fixating cleaning of flexible endoscopes and for use in ultrasonic baths.

Spectrum of efficacy and contact time

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

Composition – 100 g solution contain

3,6 g N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

15 - 30 % non-ionic surfactants

Contains perfumes: Limonene, Citronellol

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

PREVENT

VAH

IHO

PERFEKTAN® TB

Aldehyde free concentrate for instrument cleaning and instrument disinfection

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

PERFEKTAN TB is an economical, material-friendly, cleaning instrument disinfectant for routine clinical use. Its antimicrobial efficacy assures protections of users and other personnel during instrument reprocessing. PERFEKTAN TB is characterized by a pleasant scent due to its aldehyde-free formulation and is suitable for use on medical instruments.

Spectrum of efficacy and contact time

	PREVENT	PRESERVE	PROTECT
Application recommendation for disinfecting cleaning or disinfection of surgical instruments	3 % - 15 min 2 % - 30 min 1 % - 60 min		

Composition – 100 g solution contain

3,75 g Cocospropyldiamine-1,5-bis-guanidinium-diacetate

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

5 - 15 % non-ionic surfactants

Contains perfumes: Limonene

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

PREVENT



VAH

IHO

PERFEKTAN® ENDO

Aldehyde-free concentrate for instrument cleaning and disinfection

- Gentle on materials
- Ideally suited for the disinfecting pre-cleaning of endoscopes
- Preparation with good cleaning strength

PERFEKTAN ENDO is a material-friendly, active-cleaning instrument disinfectant. PERFECTAN ENDO is an aldehyde- and phenol-free disinfectant cleaner with good cleaning properties. It is suitable for disinfecting, non-fixating pre-cleaning of instruments and endoscopes.

PROTECT



VAH

IHO

DESCOTON EXTRA

Disinfectant for instruments and endoscopes

- Virucidal according to harmonized EN norm¹
- Formaldehyde-free concentrate
- Suitable for final disinfection

DESCOTON EXTRA is a fast acting, virucidal¹, liquid concentrate for disinfecting endoscopes and surgical instruments. The formaldehyde-free formulation offers economical working concentrations, broad efficacies², including virucidal and tuberculocidal efficacy, and good material compatibility³. DESCOTON EXTRA is ideal for the virucidal final disinfection of both flexible and rigid endoscopes, as well as other medical instruments.

Spectrum of efficacy and contact time

	PREVENT	PRESERVE	PROTECT
Application recommendation for disinfecting cleaning of flexible endoscopes and surgical instruments	3 % - 15 min 2 % - 30 min 1 % - 60 min		

Composition – 100 g solution contain

3,75 g Cocospropylendiamine-1,5-bis-guanidinium-diacetate
5,6 g N, N-didecyl-N-methyl-poly(oxyethyl)ammonium propionate
5 - 15 % non-ionic surfactants
Contains perfumes: Limonene

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 time

	PREVENT	PRESERVE	PROTECT
Recommendation for use for bactericidal, yeasticidal, tuberculocidal, mycobactericidal (M. avium, M. terrae), virucidal final disinfection			3 % - 60 min

Composition – 100 g solution contain

12 g Glutaraldehyde

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

¹ acc. to EN 14476, EN 17111

² bactericidal, levurocidal, mycobactericidal (M. avium, M. terrae), virucidal and tuberculocidal

³ against common materials of medical devices, e.g. stainless steel, PA (polyamide)

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

PROTECT

PERFEKTAN® ACTIVE

Powder Concentrate for Instrument Disinfection



VAH

IHO

ÖGHMP

- Very good material compatibility¹
- Rapid disinfection due to oxidative formulation
- Completely soluble powdered concentrate

PERFEKTAN ACTIVE is a highly effective¹ powder concentrate for manual disinfection of medical instruments and rigid as well as flexible endoscopes. The powder dissolves quickly and completely in water, for a reliable and safe application. The mildly alkaline, peracetic acid based solution offers a maximum spectrum of efficacy² with very good material compatibility², even with sensitive materials like silicone. PERFEKTAN ACTIVE's oxidative action system provides efficient disinfection through peracetic acid, which completely breaks down into water, acetic acid and oxygen.

Spectrum of efficacy and contact time

PREVENT PRESERVE PROTECT

Application recommendation for final disinfection for semi-critical medical devices including rigid and flexible endoscopes

2 % - 60 min
3 % - 30 min

Composition

Active ingredients: Peracetic acid (in-situ) > 850 ppm (1 % dilution), hydrogen peroxide

Single Unit	Unit	Content	REF
sachet	100	40 g	00-155-0004
bucket (incl. measuring spoon)	6	1 kg	00-155-010

¹ Tested for common metals, elastomers and thermoplastics in medical devices.

² bactericidal, levurocidal, tuberculocidal (M. terrae), sporicidal (C. difficile), virucidal, mycobactericidal (M. terrae, M. avium)

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



Advantages of PERFEKTAN ACTIVE

Sporicidal according to

EN 17126

Effective against both

**C. difficile and
B. subtilis**

Improved patient
protection from

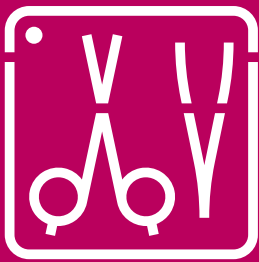
spores

Fast virucidal and
**sporicidal
efficacy**

Comprehensively
tested according

**to international
standards**





	THERMOSHIELD®																					
	THERMOSHIELD® THER																					

INSTRUMENTS

Automated Reprocessing

Powerful cleaning of medical devices

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

The reprocessing of medical products is aided by the modern and easy-to-use formulations of Dr. Schumacher products. This leads to enhanced safety for patients and healthcare personnel.



NEW



VAH

IHO

THERMOSHIELD® FLEX

Enzymatic cleaner for chemothermal reprocessing of endoscopes

- Modern cleaner for flexible endoscopes
- Gentle cleaning action removes organic soiling by means of enzymes and selected surfactants
- Very good compatibility, especially with sensitive materials²

THERMOSHIELD FLEX is a mildly alkaline yet powerful cleaning agent, specially formulated for the automated reprocessing of flexible endoscopes and other thermolabile medical devices, such as anesthesia accessories. The synergistic power of enzymes and surfactants removes any organic load, even in narrow lumens, and successfully prevents reattachment. This excellent cleaning performance is verified in accordance with EN 15883-5 and works just as effectively at low temperatures. The mildly alkaline pH and gentle cleaning complex provide excellent long-term protection for medical devices. THERMOSHIELD FLEX is suitable for use in combination with the machine disinfectant THERMOSHIELD DESINFECTANT as well as the manual cleaners PERFECTAN ENZYME and PLURAZYME EXTRA. The result is stable and energy-efficient reprocessing that enhances patient safety while reducing costs.

THERMOSHIELD® DESINFECTANT

Disinfectant for the chemothermal reprocessing of endoscopes

- User friendly due to low aldehyde content¹
- Virtually odor free
- High material compatibility with flexible endoscopes²

THERMOSHIELD DESINFECTANT is a material- and user-friendly preparation for chemothermal disinfection of flexible endoscopes at 55 - 60 °C. In combination with the enzymatic cleaner THERMOSHIELD FLEX, it offers an intelligent solution for gentle cleaning and disinfection in fully automated endoscope washer-disinfectors. THERMOSHIELD DESINFECTANT is particularly material friendly due to its glutaraldehyde-based composition. Thanks to its low glutaraldehyde content, THERMOSHIELD DESINFECTANT is virtually odor-free, making it more pleasant to use than other comparable products on the market. The preceding manual cleaning of endoscopes can be performed with MANUSHIELD CLEANER or PLURAZYME EXTRA.

Application and dosage recommendation for cleaning

Reprocessing of flexible endoscopes and thermolabile medical devices ³ : depending on soiling	3 – 5 ml/L (0,3 – 0,5 %)
Surgical instruments and additional medical instruments ³	3 – 10 ml/L (0,3 – 1 %)

Composition – 100 g solution contain

< 5 % non-ionic surfactants
Enzyme

Single Unit	Unit	Content	REF
flat canister	3	5 L	00-183-050

Spectrum of efficacy and contact time

PREVENT PRESERVE PROTECT

Application recommendation for thermochemical disinfection of flexible endoscopes and all kinds of surgical instruments (55 °C)³

1 % – 5 min

Composition – 100 g solution contain

10 g Glutaral

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

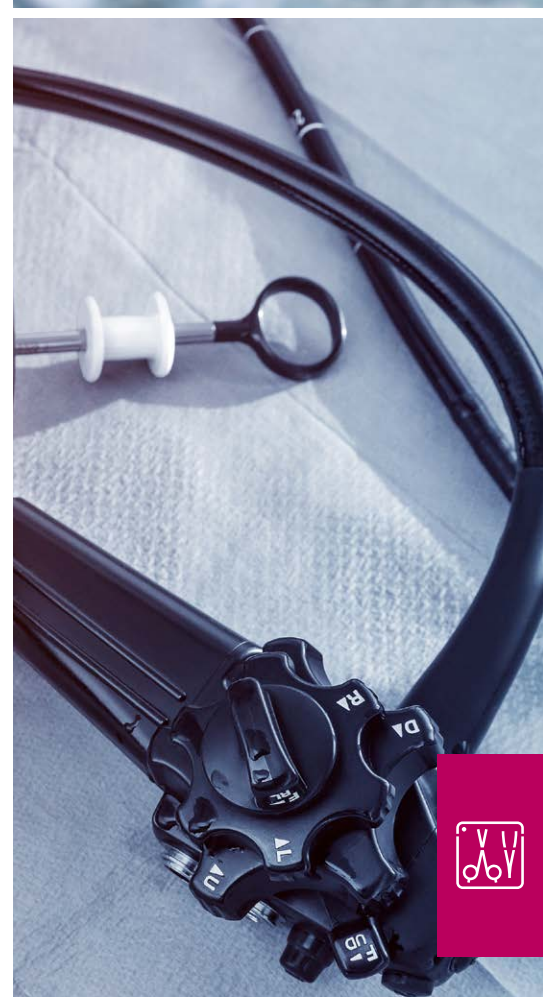
¹ compared to competitor products

² Tested for common metals, elastomers (e.g. ethylene propylene diene monomer (EPDM)) and thermoplastics in medical devices.

³ Always follow the application instructions of the machine manufacturer.

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

Powerful Endoscope Reprocessing



High-performing down to the last detail

The nature and complexity of surgical instruments as well as rigid and flexible endoscopes require a high degree of care in reprocessing. The focus here is on protecting users and patients as well as protecting the sensitive materials used in these specialized instruments. **THERMOSHIELD FLEX** is ideally matched to the machine disinfectant **THERMOSHIELD DISINFECTANT** and to the manual cleaners **PERFEKTAN ENZYME** and **PLURAZYME EXTRA**, which were developed for the pre-cleaning of flexible endoscopes and thermolabile medical devices.

Optimal combination

Together, the selected surfactants and enzymes found in **THERMOSHIELD FLEX** form an optimal combination for gentle cleaning of sensitive endoscopes and surgical instruments. The mildly alkaline formulation, which is specifically tailored to materials found in endoscopes, fulfills the hygiene standards and requirements of central sterilization.

Use **THERMOSHIELD FLEX** in combination with:

THERMOSHIELD DESINFECTANT // PERFEKTAN ENZYME // PLURAZYME EXTRA





Advantages of THERMOSHIELD XTREME

TOP CLEANING PERFORMANCE

The perfect interplay of surfactants and enzymes results in an optimal cleaning result.

This provides increased safety, and reduces the need for pre- and post-cycle reprocessing of instruments.

MILDLY ALKALINE ENZYMATIC CLEANING

Care components support long-term value retention of instruments, ensuring cost savings, as well-maintained instruments can be used for a longer period.

EXCELLENT MATERIAL COMPATIBILITY

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

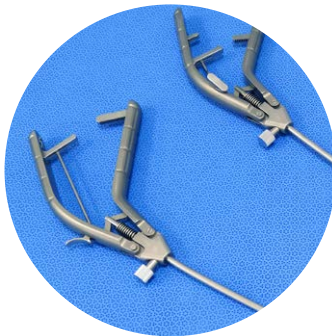
A difference you can see



SURGICAL INSTRUMENTS



PLASTICS



MICRO TOOLS



RIGID OPTICS

Easy and safe cleaning

The complexity of highly sensitive surgical instruments increasingly requires a reliable, effective cleaning process. With **THERMOSHIELD XTREME**, Dr. Schumacher GmbH offers an outstanding solution to prevent microbial contamination and enable the effective, complete removal of stubborn organic contamination.

A versatile performer

THERMOSHIELD XTREME is a multitasking cleaner. In addition to its primary use in automated reprocessing, **THERMOSHIELD XTREME** delivers outstanding results in both in manual pre-cleaning and use in ultrasonic baths.



THERMOSHIELD® XTREME

Mildly alkaline enzymatic cleaning agent for automated reprocessing

- High cleaning capacity
- Intelligent combination of surfactants
- Visible shine and preservation of value of instruments

THERMOSHIELD XTREME is an enzymatic, mild alkaline cleaner for automatic reprocessing of medical and surgical instruments in washer disinfectors. A special complementary combination of surfactants with a highly active enzyme complex ensures optimal cleaning. The synergistic mechanism of action of the ingredients efficiently removes organic contamination such as proteins, blood, residual tissue and fatty residues. THERMOSHIELD XTREME can be used without additional neutralizers or rinse aids when demineralized water is used. At the same time, THERMOSHIELD XTREME is gentle on materials². Even sensitive materials, such as anodized aluminum, may be reprocessed with THERMOSHIELD XTREME. 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), impeccable results can be achieved with THERMOSHIELD XTREME through manual pre-cleaning in an ultrasonic bath combined with automated reprocessing.

Application and dosage recommendation for cleaning

Depending on the degree of contamination and area of use¹

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

Composition – 100 g solution contain

< 5 % ionic surfactants

5 – 15 % non-ionic surfactants

Enzyme

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

¹ Always follow the application instructions of the machine manufacturer.

² Compared to common medical device materials, such as stainless steel.



THERMOSHIELD® BASIX

Alkaline, surfactant-free liquid cleaner for automated reprocessing

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

THERMOSHIELD BASIX is a highly alkaline, surfactant-free cleaner for automated reprocessing of surgical instruments, laboratory equipment and bedpans in washer disinfectors. The good cleaning performance in relation to blood and other protein-containing contaminants is due to the high alkalinity of THERMOSHIELD BASIX. Because of its good material compatibility² and corrosion inhibitors, both instruments and machines are protected. The recommended working concentrations correspond to a pH value of more than 10.

Application and dosage recommendation for cleaning

Depending on soiling and area of application¹

2 – 8 ml/L (0,2 – 0,8 %)

Composition – 100 g solution contain

< 5 % phosphonates

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

¹ Always follow the application instructions of the machine manufacturer.

² Tested for common metals, elastomers and thermoplastics in medical devices.





THERMOSHIELD® C

Neutralizer for automated reprocessing

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

THERMOSHIELD C is a liquid concentrate based on citric acid for use as a neutralizing agent in the automated reprocessing of medical instruments following the use of an alkaline product such as THERMOSHIELD BASIX or THERMOSHIELD XTREME for cleaning. The acidic pH value of THERMOSHIELD C keeps both instruments and the machine free of inorganic deposits, especially lime residues. By using THERMOSHIELD C in neutralization, it is possible to protect especially sensitive materials, e.g. anodized aluminum, and prevent remnant alkali from the cleaning step.



THERMOSHIELD® P

Neutralizer for automated reprocessing

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

THERMOSHIELD P is a liquid concentrate neutralizer based on phosphoric acid for the use in automatic reprocessing of medical instruments. After use of alkaline cleaners like THERMOSHIELD BASIX or THERMOSHIELD XTREME during the cleaning step, THERMOSHIELD P ensures effective neutralization. THERMOSHIELD P is especially suitable for hard water and helps to prevent inorganic deposits and lime residues. Also suitable for reliably removing discolorations, THERMOSHIELD P is ideal for basic cleaning.

Application and dosage recommendation for cleaning

For neutralization, depending on pH value and water hardness¹

1 – 3 ml/L (0,1 – 0,3 %)

Composition – 100 g solution contain

organic acids

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

Application and dosage recommendation for cleaning

For rinsing, depending on pH value and water hardness

1 – 3 ml/L (0,1 – 0,3 %)

Composition – 100 g solution contain

inorganic and organic acids

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

¹ Please observe the application instructions of the machine manufacturer.



THERMOSHIELD® SHINE

Rinsing agent for automated reprocessing

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

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



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 acidic thermal reprocessing of bedpans in thermal bedpan washers. It ensures spotless drying of the bedpan, prevents the bedpan reprocessing machine from calcification and is low-foaming. THERMO CLEAR is biodegradable according to EU detergent regulation because it is based on citric acid.

Application and dosage recommendation for cleaning

For rinsing: depending on pH value and water hardness

0,1 – 0,3 ml/L (0,01 – 0,03 %)

Composition – 100 g solution contain

organic acids

< 5 % non-ionic surfactants

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

Application and dosage recommendation for cleaning

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

1 – 3 ml/L
(see manufacturer's instructions)
(0,1 – 0,3 %)

Composition – 100 g solution contain

< 30 % organic acids

complexing agents

complexing agents

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





APPLICATION AIDS

Wall Dispensers and Dosage Aids

Long service life and high-quality workmanship

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

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





AK PLUS 500/1000 with stainless steel pump

Arm lever wall dispenser in
aluminum housing

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

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

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



AK PLUS 500/1000
without stainless steel pump
Arm lever wall dispenser in
aluminum housing

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



AK 1000 PLUS TOUCHLESS
Touchless wall dispenser in
aluminum housing

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

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

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





SPE 500/1000

Arm lever wall dispenser in plastic design

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



SPE 500/1000 TOUCHLESS

Automatic wall dispenser in plastic design

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

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

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

Properly install and maintain your wall dispenser

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

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

Visibility

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

Tangibility

Dispensers should be easy to find and use.

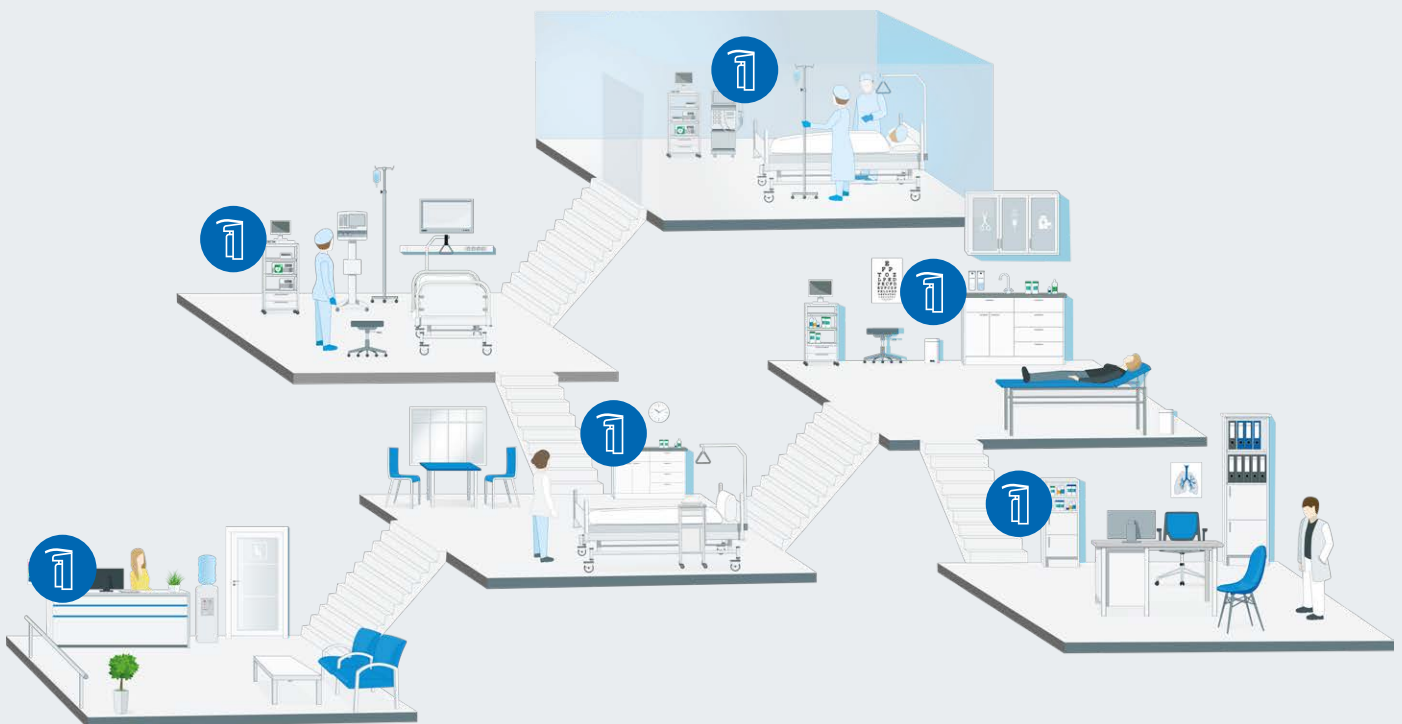
Functionality

The dispensers should work and be regularly refilled.

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

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

www.schumacher-online.com





DESCOFLEX MOBILE HOLDER

For versatile installation of dispenser bottles

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



DESCOFLEX WALL HOLDER

For installation of dispenser bottles on walls

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

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

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



DOSING PUMP

Dosing aid for containers and dispenser bottles

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



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 pump with 30 ml/stroke	1	2 L/5 L/10 L	00-906-000-01
dosing pump with 3 ml/stroke	10	500 ml/1 L	00-906-005-03
dosing pump with 2 ml/stroke	1	500 ml/1 l	00-906-005EX

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





MEASURING JUG/CUP & SPRAY HEADS

For surface and instrument disinfectants and cleaners

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

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

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

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



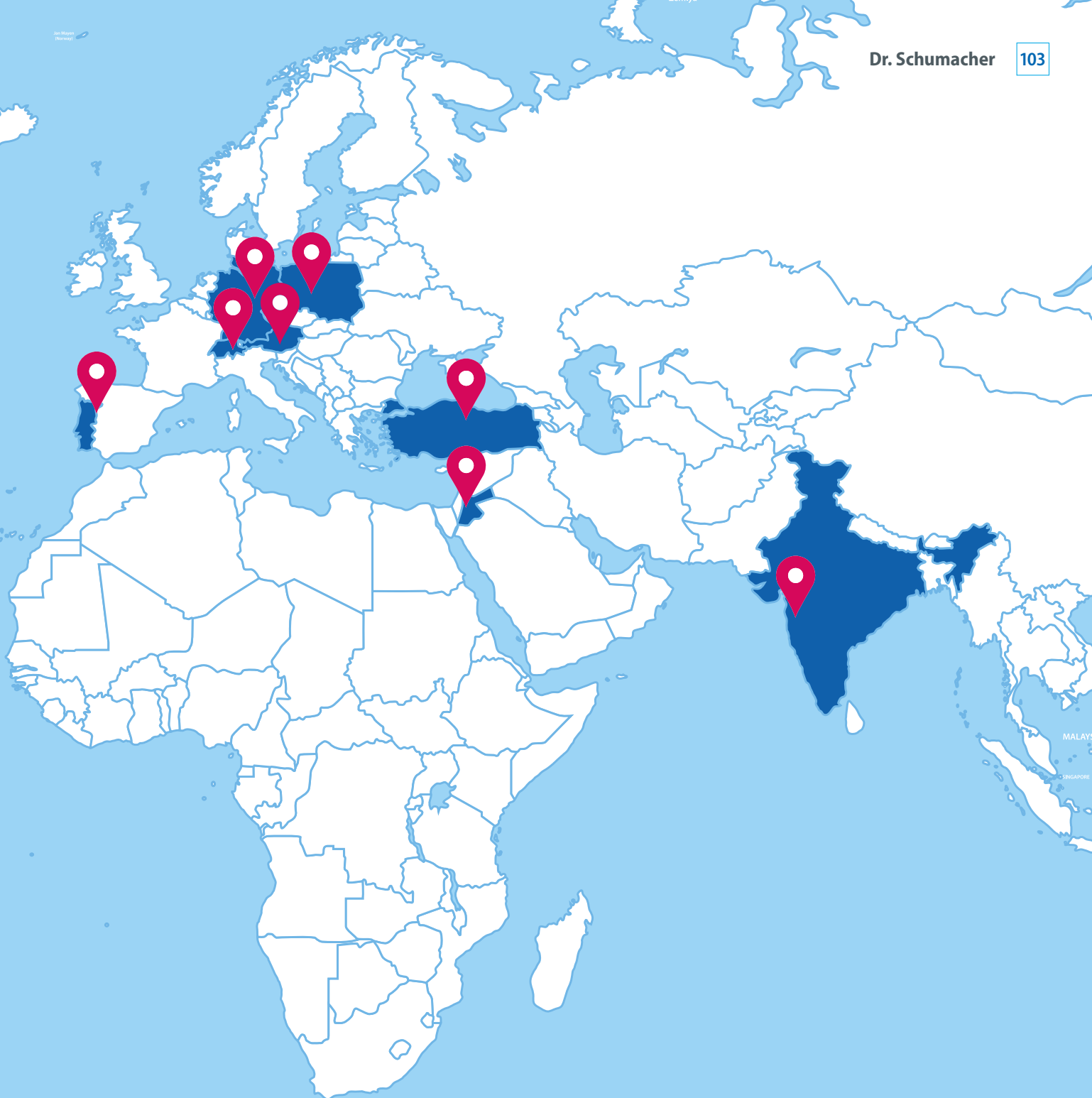
INSTRUMENT BATH

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 includes a removable basket insert, a solution level indicator, and a tightly sealed white lid. It is available in various sizes to suit different needs. 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 sealed lid protects the ambient air from contamination by volatile substances.

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



A Global Company

Dr. Schumacher's journey began over four decades ago in Northern Hesse, where our company headquarters are still located today. What started as a local endeavor has grown into a global family-owned company, active in 8 countries and serving customers across more than 70 nations. Our continued success is driven by strong collaboration and open communication among our dedicated employees.

Together, we protect your health.

Locations at a Glance

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



Pictograms and Symbols

PRODUCT CATEGORIES



Surface
Ready-to-use disinfection



Surface
Cleaning and disinfectant concentrates



Surface
Powder disinfectant concentrates



Surface
Ready-to-use disinfectant wipes



Surface
Non-woven wipe dispenser systems



Hand and Skin
Cleansing / Sanitation



Hand and Skin
Cleansing



Hand and Skin
Hand disinfection



Hand and Skin
Skin disinfection



Hand and Skin
Hand and skin care



Hand and Skin
Hand and skin protection



Instruments
Manual reprocessing



Instruments
Machine reprocessing



Endoscopes
Manual reprocessing



Endoscopes
Machine reprocessing



Application Aids
Dispensers, holders and dosing aids

COVERAGE



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



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



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

Pictograms and Symbols

INSTRUCTIONS AND CERTIFICATIONS



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



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



Product is recommended for whole body patient washing.



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



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

LISTINGS

DAAB

IHO

ÖGHMP

RKI A

RKI AB

RKI/DVV

VAH

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

COMPANY INFORMATION

Publisher

Dr. Schumacher GmbH
Am Roggenfeld 3
34323 Malsfeld
Germany
T +49 5664 9496-0
F +49 5664 8444
info@schumacher-online.com
www.schumacher-online.com

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www.schumacher-online.com



Contact

Dr. Schumacher GmbH
Am Roggenfeld 3
34323 Malsfeld
Germany
P +49 5664 9496-0
F +49 5664 8444

international@schumacher-online.com
www.schumacher-online.com

