

Products on the highest
quality level



Product recommendations

for use in pharmacies and for the production of cytostatics

Professional
Cleanroom Expertise

dastex
REINRAUMZUBEHÖR

Reusable and washable cleanroom garments

sterile / non-sterile

- ▶ Cleanroom garments
- ▶ Cleanroom undergarments

standard or customised

Disposable cleanroom garments

sterile / non-sterile

- ▶ Head, foot and body area

Face masks & cleanroom goggles

sterile / non-sterile

- ▶ Disposable face masks for various applications
- ▶ Safety goggles (reusable/disposable)

Cleanroom gloves & finger cots

sterile / non-sterile

- ▶ Disposable gloves
 - nitrile, latex, polypropylene and other materials
- ▶ Textile gloves
 - uncoated, coated
 - antistatic / for ESD-protected areas
- ▶ Protective gloves
 - protection against chemicals, heat or cold

Cleanroom shoes & socks

- ▶ Occupational footwear & Safety footwear
 - clogs, slippers and sandals
- ▶ Shoes with textile upper
- ▶ Cleanroom socks (reusable/disposable)

Disinfectants & Detergents

sterile / non-sterile

- ▶ Based on alcohol (IPA / ethanol)
- ▶ Biocides, sporicidal preparations, fungicides etc.
- ▶ Hand hygiene

Cleanroom wipes

sterile / non-sterile

- ▶ Polyester cellulose wipes
- ▶ Polyester wipes
- ▶ Microfibre wipes
- ▶ Wipes for special requirements
- ▶ Saturated wipes
- ▶ Cotton and cellulose wipes
- ▶ Sponge wipes

Cleaning & disposal articles

- ▶ Mop systems and handles
- ▶ Cleaning trolleys and accessories
- ▶ Cleaning swabs
- ▶ Special cleaning tools
- ▶ Cleanroom vacuum cleaners
- ▶ Disposal systems

Tacky mats

- ▶ Removable dust binding foil mats
- ▶ Permanently adhesive and washable tacky mats

Cleanroom furniture

- ▶ Chairs, stools, work tables, desks
- ▶ Shelving systems, wardrobes and carts
- ▶ Ladders and steps

Cleanroom paper & pens

Adhesive tapes & labels

Dispenser systems & disposable overshoe dispensers

Particle visualisation lamps

Services

Supply concepts

- ▶ Consignment warehouse
- ▶ Full supply systems
- ▶ E-Commerce solutions
(incl. online shops)

Staff training

Research & Development

Consultancy

Since 1979



Cleanroom garments and consumables for use in pharmacies and for the aseptic production

Dastex – a second-generation family business – has had a wide range of customers, including chemist's shops and hospital pharmacies, as well as manufacturers of cytostatics, for decades.

One of the difficulties in selecting products lies in the fact that the GMP requirements for cleanliness must be met at the same time as the requirements for personal protection.

Personalised medicines, cytostatic drugs or carcinogenic, mutagenic and reproductive toxic medicines require special attention during their production or preparation. External contamination – e.g. by employees or by the consumables used – should be avoided as much as possible. At the same time, employees are often exposed to higher risks during the manufacturing process and must be protected in accordance with legal requirements.

Dastex will be happy to assist you in the definition and decision-making processes and will be happy to advise you at any time.

Our many years of experience in these segments, the know-how we have gained in the process and our extensive product range offer you numerous possibilities to choose the right products for your specific requirement profiles. Whether it is a sterile area (GMP hygiene zones A/B) or a work table (A) in hygiene zone C, as well as upstream areas in GMP hygiene zones C or D – our product range covers all these different cleanliness requirements with the corresponding products.

Below you will find an initial overview of the various cleanroom products that are typically used in this special environment. Further information can be found in our comprehensive general catalogue and on our website www.dastex.com.

We would be happy to provide you with product samples for testing purposes. Please contact our advisory and sales team!



Our company is certified according to
DIN EN ISO 9001:2015 and DIN EN ISO 14001:2015

Reusable and washable cleanroom garments



Garments and undergarments

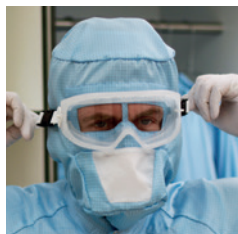
Overall basic model D01 with additional equipment: knitted cuffs on sleeve ends

Overall with zipper at legs basic model C01

Lab coat basic model D02 with additional equipment: knitted cuffs



Full protection hood basic model 20 with bouffant top



Hood-goggles combination basic model 24 mouth area made of gauze, duckbill shape
Just two „clicks“ and pull the two straps – the mask fits and is fixed

Humans remain one of the main sources of contamination in controlled areas

Every minute we emit a huge number of particles and viable contaminants. Cleanroom garments – as the only filter between people and products – therefore play a particularly important role in protecting against contamination. Washable and reusable garment systems as well as various disposable garment items are available (see pages 7 – 9).

Both disposable and reusable garment systems have advantages and disadvantages that need to be weighed up. Reusable garments are certainly distinguished by the fact that they are often considered to be much more pleasant to wear, are generally more cost effective and reduce the amount of waste produced day-to-day. Other advantages are: a higher degree of individualisation and many options that the user can choose freely.

However, the main disadvantage of washable reusable cleanroom garments is that they are not certified personal protective clothing (according to the (EU) Personal Protective Equipment Regulation). Although special textile finishes, such as a water-repellent PTFE finish, offer protection against the penetration of water-based liquids, this protection is limited and, from the manufacturer's point of view, it is impossible to define precisely after how many reprocessing cycles the protection still exists to a sufficient degree. Is it still sufficient after 10, 20 or 50 washing cycles?

Ultimately, the user must define his/her areas of application



**Overshoe
basic model S11**



**Short-sleeves T-shirt
basic model 82**



**Reusable socks
with coloured
edges to identify
the size
Art. no. 39392**

**Jacket
basic model 03
with additional
equipment:
knitted cuffs**



**Sleeve protector
basic model 70
40 cm long,
with light elastic
bands**



**Reusable safety
goggles
UNIVET® 611.50.00.00
with antistatic
silicone strap
ventilation: direct
coating: none
Art. no. 40850**



**Trousers
basic model 06
with additional
equipment:
knitted cuffs**



**Long sleeve T-shirt
basic model 87
tricolour design**



**Reusable safety
goggles
ELITE AUTOCLAVE
ELATPR
Ventilation: direct
top/indirect bottom
coating: anti-fog,
anti-scratch
Art. no. 4081403**

and decide for himself/herself

In many cases, compromise or mixed solutions are used: e.g. disposable sleeve protectors + disposable apron worn over a reusable and washable cleanroom suit.

Dastex offers a wide range of products: different fabrics and designs of cleanroom garments and undergarments, as well as eye masks for cleanrooms required according to Annex 1 (GMP guidelines) up to cleanroom socks.

Overalls and lab coats in different versions

With or without integrated hood, various zip positions, many variations for sleeve ends and pant legs, pockets and other special options.

Additional assortment

Hoods, overshoes and overboots in a wide range, jacket and trouser combinations, sleeve protectors, aprons, cleanroom undergarments such as T-shirts and much more.



**Pullover basic model 86,
trousers basic model 90
fabric: Light-Tech II**

A detailed overview of our wide range of models with in-depth descriptions and technical data – including recommendations as to which article can be used for which cleanroom class – can be found on our website at www.dastex.com.

In addition, you can download a large number of specialist publications on the subject of cleanroom garments free of charge under „Media“.

Typical cleanroom reusable garments



cut-out representation

Zones A / B

- ▶ Overall + hood *or* overall with integrated hood
- ▶ Overboots *below*:
- ▶ Cleanroom compatible undergarments: long-sleeved T-shirt + trousers

- ▶ One sterile pair of gloves is put on the second pair (double gloving)



- ▶ *Either:*
- ▶ Full protective hood with unobstructed field of vision
- ▶ + single-use non-woven cap (*subyescent*)
- ▶ + disposable, sterile, wide face mask
- ▶ + goggles for cleanroom, sterile



- ▶ *Or:*
- ▶ Eye-slit hood
- ▶ + single-use non-woven cap (*subyescent*)
- ▶ + goggles for cleanroom, sterile
- ▶ + face mask (*subyescent*)

- ▶ **Cleanroom shoes**
These remain in the cleanroom area as a matter of principle

Frequency of change in A/B zones

Sterile and properly decontaminated garments should be put on at each entry. Undergarments should be changed at least once a day.

Zones C/D

- ▶ **Two-piece:** jacket + trousers *or* simple overall suit
- ▶ **Headgear:** simple hood *or* disposable non-woven cap

Recommendation for below:

- ▶ **Undergarments:** long-sleeved T-shirt + trousers

- ▶ *Depending on the process requirements:*

disposable gloves
or
textile gloves



- ▶ *For beard wearers, depending on the hygiene zones:* disposable non-woven beard cover *or* disposable face mask

Frequency of change in C/D zones

Cleanroom garments and undergarments should be changed once a day or every 2–3 days, depending on the workload.

- ▶ **Cleanroom shoes**
These remain in the cleanroom area as a matter of principle

Cleanroom garments
Made from a defined cleanroom fabric (100% synthetic fibres) with corresponding technical properties.

Cleanroom undergarments
Made from textiles (woven or knitted) that are as resistant as possible to abrasion, mainly from 100% synthetic fibres.



Sterile and non-sterile



What you need to know

Since textile cleanroom garments were mainly developed to protect the product from external contamination during the manufacturing process, they have so far lacked any PPE certifications. However, these are absolutely necessary when producing and handling hazardous substances (such as cytostatic drugs) and therefore composite solutions consisting of certified cleanroom textile garments and single-use garments are often used.

However, it is essential to ensure that single-use garments do not become additional sources of particles. Therefore, depending on the requirements, different models and qualities should be tested. Garments made of SMS non-wovens, for example, are particularly breathable: an additional microporous film ensures a high barrier effect against airborne particles. The patented Tyvek® range of PE-HD fabrics impresses with its high durability, low particle emission and, according to the manufacturer, its very good additional barrier properties against fluid and gaseous chemicals.

In order to prevent contamination from entering your cleanroom with disposable garments during the production process, we also recommend – wherever possible – to always use specially cleaned disposable garments after production/before packaging.

Below you will find a small selection of suitable disposable garments that could be used. We will be happy to advise you on your selection!

Cleanroom suitable disposable garments



Sterile and decontaminated disposable garments



STERILE

Sterile and decontaminated disposable garments						
Article	Description	PPE	PU	multiple packed	Art. no.	
Overall Tyvek® IsoClean®	integrated hood, non-slip overshoes	●	n. a.	25	✓	40040S
Overall Tyvek® IsoClean®	without hood	●	Cat. III	25	✓	40013-S
Overall Kimtech™ A5	without hood, gamma irradiated	●	Cat. III	25	✓	40010S
Full protective hood Tyvek® IsoClean®	with shoulder covers, gamma irradiated	●	Cat. III	100	✓	40520-S
Full protective hood Kimtech™ A5	with shoulder covers, gamma irradiated	●	Cat. III	100	✓	4055002S
Apron with sleeves BioClean-C™	ribbon ties at the waist, sleeves with elastic edging	●	Cat. III	40	✓	40758S
Sleeve protector Tyvek® IsoClean®	length 45 cm, elastic band on both sides	●	Cat. III	50*	✓	4072230
Sleeve protector Kimtech™ A5	length 45 cm, elastic band on both sides, thumb loop	●	Cat. III	100*	✓	40770S
Overboots Tyvek® IsoClean®	elastic edging, tightening bands, Gripper™ anti-slip sole	●	Cat. III	100*	✓	40323-S
Overboots Kimtech™ A5	elastic edging, tightening bands, circumferential sole	●	Cat. III	100*	✓	4032420S
Face mask Kimtech* M3	width 18 cm, with ear loops	●	n. a.	200	✓	44810
Face mask Kimtech* M3	width 23 cm, to tie up	●	n. a.	200	✓	44830
Face mask gamma irradiated	width 23 cm, with elastic headbands	●	n. a.	25	✓	44630-23-S

n. a. = not applicable * packed in pairs



Non-sterile disposable garments



Example of a multiple packaging:



You will find a detailed overview of all our articles, their different sizes and delivery forms, with detailed descriptions and technical data – including recommendations for use in the highest possible cleanroom class – at www.dastex.com.

In addition, you can download a large number of specialist publications on the subject of cleanroom clothing free of charge under „Media“.

NON-STERILE

Non-sterile disposable garments						
Article	Description		PPE	PU	multiple packed	Art. no.
Overall Tyvek® 600 Plus	integrated hood, thermo-sealed seams	●	Cat. III	100	✓	40041
Overall Tyvek® 500 Xpert	integrated hood	●	Cat. III	100	✓	40040
Overall WeePro®	microporous film, integrated hood	●	Cat. III	50	✗	400710
Overall WeeCover®	integrated hood, self-adhesive flap on zip	●	Cat. III	50	✗	400730
Chemo gown Tyvek® IsoClean®	elongated lab coat, hook/loop collar, knitted cuffs, ties at waist	●	Cat. III	30	✓	407579
Apron Tychem® 2000 C	neck and waist ties	●	Cat. III	25	✗	40755
Sleeve protector Tyvek® IsoClean®	tunnelled elastics at both ends, 45 cm long	●	Cat. III	100	✗	4072231
Sleeve protector	microporous film, knitted edge at wrist, 45 cm long	●	Cat. I	300	✗	40742
Overboots Tyvek® IsoClean®	ties, Gripper™ sole	●	Cat. III	100	✗	403231
Face mask	21 cm wide, with ear loops	●	–	1,000	✓	42610
Face mask	21 cm wide, to tie	●	–	1,000	✓	42600-bulk
Face mask	23 cm wide, with ear loops	●	–	1,000	✓	45420
Face mask	23 cm wide, with elastic headbands	●	–	1,000	✓	44630-23
Fastening clip	for fastening the head loops of face masks	/	–	100	✗	44455

42630-23



45420



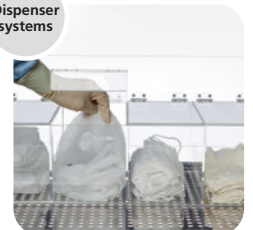
44455



4072230/
4072231/



Dispenser
systems



Cleanroom gloves for critical environments



Production of parenteral drugs, cytostatic drugs
and other hazardous substances



Requirements for the protection of persons, processes and products

The requirements and standards for personal protection for gloves have changed considerably in recent years. This also applies to personal protection in the cleanroom area. In addition, the cleanroom in a GMP sterile area has very specific requirements for gloves to protect the user as well as the sterile product to be manufactured.

Today, pharmacies must also manufacture all sterile products such as cytostatic drugs, parenteral drugs, etc. in cleanrooms, according to GMP specifications. Whether it is a sterile environment (GMP hygiene zone A/B) or a workbench (A) in hygiene zone C, as well as the upstream areas in GMP hygiene zones C or D, our product range covers all these different cleanliness requirements with the corresponding items.

The following aspects need to be considered:

- ▶ cleanliness of the glove surface*
- ▶ sterility*
- ▶ low level of endotoxins*
- ▶ wrapped in film pouch per pair
- ▶ resistance to permeation by chemicals
- ▶ resistance to permeation by cytostatic drugs

* Certificates and information per batch



Double gloving

A step-by-step PDF explanation of the **double gloving procedure for sterile cleanroom gloves** is available on our website!

Tests for the determination of permeation by cytostatic drugs under conditions of continuous contact

In the past, only EN 16523-1 was usually used for these permeation tests, which only mentions potentially hazardous liquid chemicals in general, but not cytostatic substances.

A better and more meaningful method is ASTM D6978-05. This standard was developed specifically for nine cytostatic substances and gives the user a much higher degree of certainty when the test specifications are met.

Let our technical staff advise you on this.



Double gloving

To work in compliance with GMP, „double gloving“ (overlapping two pairs of sterile gloves of different colours) is also unavoidable. In this way, any damage to the outer glove is easily and quickly visible.

Also pay attention to the wall thickness of the glove at the fingertips and palm: generally, in the different European countries, a certain wall thickness – for the protection of the person and the product – is specified by the local institutions for statutory accident insurance and prevention. It has been found that nitrile sterile cleanroom gloves offer high safety for the GMP sterile hygiene zone as well as for personal protection.

Cleanroom gloves for pharmacies



Product recommendations



STERILE





Disposable gloves (pair)										Colour	PU	Packaging	Art. no.	
Article	EN ISO 374-1:2016/ Type C		EN ISO 374-5:2016	CE	305 mm	AQL 1.5	ISO 374-1:2016	PPE Cat. III REGULATION (EU) 2016/425	Info	Fig. 1				
	K	VIRUS	0123											
KIMTECH™ G3 Sterile Sterling™ Nitrile											6, 6 ½, 7, 7 ½, 8, 8 ½, 9, 10	300	pairwise	3524
	K	VIRUS	0123											
KIMTECH™ G3 Sterile White Nitrile											6, 6 ½, 7, 7 ½, 8, 8 ½, 9, 10	200	pairwise	3529
	KPT	VIRUS	0598		300 mm	AQL 0.65	ISO 374-1:2016 Type B	PPE Cat. III REGULATION (EU) 2016/425	Info	Fig. 1				
SHIELDskin™ ORANGE Sterile NITRILE™ 300 DI											6, 6 ½, 7, 7 ½, 8, 8 ½, 9, 10	200	pairwise	3828-1
	JKP	VIRUS	0123		330 mm	AQL 0.65	ISO 374-1:2016 Type B	PPE Cat. III REGULATION (EU) 2016/425	Info	Fig. 1				
SHIELDskin XTREME™ Sterile White Nitrile 330 DI+											6, 6 ½, 7, 7 ½, 8, 8 ½, 9, 10	200	pairwise	3829

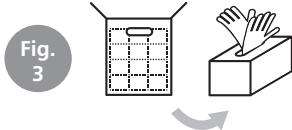




An overview of our extensive glove range, in various sizes and delivery forms, with their detailed descriptions as well as technical data – including recommendations for use in the highest possible cleanroom class – can be found under www.dastex.com. Furthermore, you can download a large number of specialist publications on the subject of cleanroom clothing free of charge under „Media“.

NON-STERILE

Disposable gloves (pcs)										Art. no.		
Article	ISO 374-1/2016 Type B		ISO 374-5:2016 Level 3		CE	300 mm	AQL	ISO 374-1/2016 Type B	PPE Cat. III REGULATION (EU) 2016/425	MDR Class I REGULATION (EU) 2017/745	Packaging	Art. no.
	JKPT	VIRUS	0598	0.25							Fig. 2	
SHIELDskin XTREME™ ORANGE NITRILE™ 300 DI	XS, S, M, L, XL, XXL										bulk	3842
	JKT	VIRUS	0123	0.65							Fig. 3	
KIMTECH™ Purple Nitrile™ Xtra™	XS, S, M, L, XL										box	3541
	K	VIRUS	0123	0.65							Fig. 3	
KIMTECH™ Sterling™ Nitrile Xtra™	XS, S, M, L, XL*		* = 900 pcs								box	3543
	JKPT	VIRUS	0598	0.25							Fig. 3	
SHIELDskin™ ORANGE NITRILE™ 300	XS, S, M, L, XL										box	3841



We will be happy to send you samples to help you determine the right size!



Special wipes for the cleanroom application process



Even when working in a very clean environment, there are contaminants on surfaces that must be removed in a manner that is as compatible as possible with the requirements for cleanrooms

In addition to suitable materials, a high level of motivation is required to clean and, if necessary, disinfect an optically clean surface.

The attribute „lint-free“ is certainly not a characteristic that indicates that a wipe is suitable for the use in a cleanroom, as every textile releases fibres or fibre fragments under corresponding mechanical stress.

Therefore, different aspects have to be taken into account in the decision-making process when selecting and defining a cleaning wipe

- ▶ **The material of the fabric as well as the treatment (cutting/sealing of the edges)**
e.g. non-woven polyester-cellulose wipes or knitted polyester wipes with laser-cut edges.
- ▶ **Degree of cleanliness on delivery**
Were the wipes cleaned (decontaminated) in accordance with the requirements for cleanrooms before being packed? Information on the release of particles in a dry state is important.
- ▶ **Type and quality of the surface to be cleaned**
For a stainless steel surface, the choice of cleaning products and wipes is more complex than for a plastic surface.
- ▶ **Type of contamination to be removed**
Greasy films have to be removed in a different way than particles that lie freely on the surface.
- ▶ **Absorbency of a fabric**
This can be a criterion for deciding whether to remove spills or to apply solutions.

Sterile and non-sterile wipes typical for your field of application

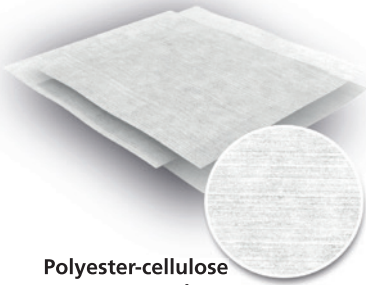
STERILE

NON-STERILE

Polyester-cellulose non-woven wipes				
Article	Art. no.	Dimensions	Wipes / Bag	sterile
Series 301-IO	55301-IO	9" x 9"	300	no
		12" x 12"	150	no
Series 301-10	57301-10	9" x 9"	100 (10 x 10 pcs)	yes
		12" x 12"	100 (10 x 10 pcs)	yes
Series 302	57302	9" x 9"	150 (6 x 25 pcs)	yes
		12" x 12"	150 (6 x 25 pcs)	yes
		18" x 18"	75 (3 x 25 pcs)	yes

Polyester knitted wipes					cleanroom-compatible post-cleaning	sterile
Article	Art. no.	Dimensions	Wipes / Bag	Edge treatment		
Series 414	55414	9" x 9"	150	cold cut	yes	no
		12" x 12"	100	cold cut	yes	no
Series 415	55415	4" x 4"	600	per laser	yes	no
		9" x 9"	150	per laser	yes	no
		12" x 12"	100	per laser	yes	no
Series 410-AF	55410-AF	4" x 4"	300	per ultrasound	yes	no
		9" x 9"	100	per ultrasound	yes	no
Series 415	57415	9" x 9"	1,500 (150 x 10 pcs)	per laser	yes	yes
Series 410-AF	57410-AF	12" x 12"	100 (4 x 25 pcs)	per ultrasound	yes	yes

You can find the pre-saturated wipes on page 20 / Disinfectants!
 Notes on dimensions: 4"~ 10 cm 9"~ 23 cm 12"~ 30 cm 18"~ 45 cm ● double-layer



- Polyester-cellulose non-woven wipes:**
- ▶ relatively good absorption capacity
 - ▶ relatively low particle release
 - ▶ high chemical resistance
 - ▶ hydroentangled non-wovens
 - ▶ no adhesives/binders
 - ▶ good cost-benefit ratio

Cleanroom wipes are available in:

- ▶ different base materials
- ▶ different processing qualities
- ▶ different sizes
- ▶ in (validated) sterile and non-sterile delivery form

Pre-saturated wipes, with alcohol plus water for injection (WFI) /deionised water (DI) or with disinfectants, are becoming increasingly popular

The main advantage of pre-soaked wipes is that they can be used immediately (ready to use), which eliminates the slightly more time-consuming handling of the „spray bottle plus wipe“. However, the choice of pre-saturated wipes remains limited at present and the cost factor also favours the conventional solution.

Please refer to the table for a small selection of wipes that could be used.

We would be happy to advise you on your selection and to provide you with samples for testing purposes!



- Polyester wipes:**
- ▶ low particle release
 - ▶ soft
 - ▶ sturdy / abrasion resistant
 - ▶ relatively good absorbency
 - ▶ good cost-benefit ratio



Pre-saturated wipes from page 20 onwards!

A detailed overview of our complete range of wipes with regard to the different sizes and packaging forms as well as descriptions and technical data – including recommendations for the type of fabric to be used for each cleanroom class – are available on our website www.dastex.com.



Product recommendations



All surfaces in a cleanroom must be cleaned

This applies to ceilings, floors and walls, as well as to all work areas, surfaces and storage spaces such as shelves, cupboards and other furniture and their storage areas. All products that are brought in should also be as clean as possible. Only properly cleaned products can be properly disinfected afterwards.

There is a wide range of cleaning tools and accessories available – if you cannot find what you are looking for, we will be happy to advise you individually!

A small selection is shown below!

Ceilings, floors and walls



Mop covers (reusable/RU and single use/SU), holders and handles						
	Article/Description	Material	auto-clavable	sterile	PU	Art. no.
Mop covers/Mop wipes	Dastex RU mop cover with logo, loop fabric, with draining pockets	polyester	yes	no	5	81505-1
	Dastex RU mop cover with logo, with bristle stripes and pockets	polyester	yes	no	5	81507-1
	MicroSicuro Trapez CR/A, RU trapeze mop cover	polyester	yes	no	10	81518
	Klerwipe™ Neutral Detergent, SU mop wipes, saturated	polyester	no	yes	200	8070WPM5051
	SATURIX™ light weight microfiber mop, SU mop cover, 39 g	polyester	no*	no	100	81200
	SATURIX™ medium weight microfiber mop, SU mop cover, 58 g	polyester	no*	no	100	81201
	SATURIX™ heavy weight microfiber mop, SU mop cover, 68 g	polyester	no*	no	100	81202
	SATURIX™ light weight microfiber mop, SU mop cover, 39 g	polyester	no*	yes	50	81200S
	SATURIX™ medium weight microfiber mop, SU mop cover, 58 g	polyester	no*	yes	50	81201S
	SATURIX™ heavy weight microfiber mop, SU mop cover, 68 g	polyester	no*	yes	50	81202S
Mop holders	InSpec™ N10, SU mop cover, saturated with 4% alkaline detergent	polyester	no	yes	50	500068
	InSpec™ N7, SU mop cover, saturated with 4% alkaline detergent, low toxicity	polyester	no	yes	50	500079
	Invers Clino Connect Lock, holder, especially for disposable mop covers	stainless steel	yes	no	1	81810-11
Handles	Clino® Synchro CR, opening mechanism with hand and foot	plastic	yes	no	1	81810-12
	Clino® CR with ClinoConnect Lock system, non-contact removal of mop covers	stainless steel	yes	no	1	81810-14
	Holder trapeze mop cover, 22/27 cm, for Art. no. 81518	stainless steel	yes	no	1	81810-20
Mop holders	Klercide™ holder and handle for mop wipes, with adjustable handle (0.97–1.60 m)	alu / PP	yes	yes	1	80303
	Telescopic handle, length 1.00 – 1.80 m	aluminium	yes	no	1	81815-01
	Telescopic handle with tilting lever, length 1.00 – 1.80 m	aluminium	yes	no	1	81815-02
	Telescopic short handle, length 50–70 cm, with tilt lever (grey)	aluminium	no	no	1	827302-1

* reusable in grey areas



Please note: For various reasons, not all the items listed above are available in all countries. In these cases, however, we offer you a suitable alternative.



Containers for initial preparation

Often the space conditions are rather constricted, so that less work is done with cleaning trolleys. However, a few containers are often sufficient to prepare the mop covers for use.



Containers for soaking mop covers and accessories

Article	Description	Material	auto-clavable	sterile	PU	Art. no.
EasyMop GMP system container	with lid, 1, 2, 2.5 and 4 litre graduations	stainless steel	yes	no	1	81400
MopJump for system container	non-contact mop cover feeder	stainless steel	yes	no	1	81401
EasyMop CR system container	blue, red, green, yellow, grey, black	plastic	no	no	1	81860

Special tools/special solutions



Cleaning tools for isolators

Article	Description	Material	auto-clavable	sterile	PU	Art. no.
Cleaning system for DastPads	rectangular shape, rigid version, 50 cm	stainless steel	yes	no	1	823200
Telescopic handle	length 77 – 145 cm (continuously adjustable)	stainless steel	yes	no	1	823300
DastPad (SU mop covers)	not saturated, 19.5 x 7 cm	polyester	no	yes	100	823000
DastPad (SU mop covers)	saturated 70% IPA / 30% WFI, 19.5 x 7 cm	polyester	no	yes	40	823100

Cleaning equipment – available in many colours



Article	Description	Material	auto-clavable	sterile	PU	Art. no.
Hand scraper	for removing strongly adhesive contaminants	polypropylene	yes	no	25	828-4060
Hand brush	for removing fine and coarse particles	PP/PES/stainless steel	yes	no	15	828-4589
Shovel	strong, adheres tightly to the floor	polypropylene	yes	no	10	828-5660



823000 DastPad single use mop cover



828-4060 7.5 x 1.8 x 21 cm (L x W x H)



828-4589 33 x 3.5 x 11.1 cm (L x W x H)



828-5660 33 x 29.5 x 10 cm (L x W x H)



Product recommendations for cleanroom pharmacies



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

In hygienically controlled areas, the focus is not only on cleaning rooms and surfaces, but also on disinfection.

Before disinfecting, it must be ensured that the surface to be disinfected is free of dirt. Adequate cleaning must have been carried out beforehand. Cleaning and disinfection should be considered as two separate processes and should not be performed in one step.

When using disinfectants and, in particular, biocide agents, it should be noted that the latter or their residues must also be removed at regular intervals.

The use of products with low residue content can significantly reduce the investment in equipment and time required for monitoring work. The specific use of suitable products can reduce costs and make production processes more efficient.

Surface disinfectants are available in different forms:

Based on various alcohols, completely alcohol-free and with a sporicidal effect. Depending on your needs, we can recommend the right disinfectant for almost any application. You will find a selection on the following pages.

If you have any questions about the various active agents, please contact us.

Alcohol-based disinfectants



Alcohol-based disinfectants

STERILE

Article	sterile	Content	PU	Producer code	Art. no.
Klercide™ 70 30 IPA – 70% isopropanol (propan-2-ol) blended with 30% water for injection (WFI)					
Spray trigger bottle	yes	1 L	6	3078540	8020001
InSpec™ IPA Premium – 70% isopropanol (propan-2-ol) blended with 30% water for injection (WFI)					
Spray trigger bottle	yes	1 L	6	IPAWFI1-1LS	8004012
InSpec™ DE Premium – 70% ethanol, denatured by addition of isopropanol, blended with 30% water for injection (WFI)					
Spray trigger bottle	yes	1 L	6	DEWFI10-1LS	8004030
Klercide™ 70 30 Denatured Ethanol – 70% ethanol, denatured by addition of <i>tert</i> -butanol, blended with 30% water for injection (WFI)					
Spray trigger bottle	yes*	1 L	6	3078360	8021001

* guaranteed endotoxin content < 0.25 EU/ml



Please note: For various reasons, not all the items listed above are available in all countries. In these cases, however, we offer you a suitable alternative.





Alcohol saturated wipes and mop wipes



Please note: For various reasons, not all the items listed below are available in all countries. In these cases, however, we offer you a suitable alternative.

8075WPK-4100



8070WPM 5005



8005024
8005026



Burstable
pouch
wipes



Burstable
pouch
mops



Alcohol saturated wipes and mop wipes

STERILE

Article	sterile	Dimensions/mm	PU	Producer code	Art. no.
Klerwipe™ 70 30 IPA, WFI					
Saturated wipes, PES 138 g/m ²	yes	200 x 200	20 pouches of 10 wipes	3079400	807600001
Klerwipe™ 70 30 IPA, DI					
Saturated wipes, PES/CEL 68 g/m ²	yes	200 x 200	20 pouches of 15 wipes	3079330	8075WPK-2500
Saturated wipes, PES/CEL 42 g/m ²	yes	200 x 230	15 dispenser tubes of 100 wipes	3079360	8075WPK-4100
Saturated wipes, PES/CEL 22 g/m ²	yes	200 x 230	15 dispenser tubes of 200 wipes	3079370	8075WPK-3900
Saturated mop wipes, PES/CEL 68 g/m ²	yes	420 x 250	10 pouches of 20 wipes	3079350	8070WPM5000
Klerwipe™ 70 30 Denatured Ethanol, DI					
Saturated wipes, PES/CEL 22 g/m ²	yes	200 x 200	20 pouches of 15 wipes	3079160	8075WPK-2505
Saturated wipes, PES/CEL 42 g/m ²	yes	200 x 230	15 dispenser tubes of 100 wipes	3079190	8075WPK-4105
Saturated wipes, PES/CEL 22 g/m ²	yes	200 x 230	15 dispenser tubes of 200 wipes	3079200	8075WPK-3905
Saturated mop wipes, PES/CEL 68 g/m ²	yes	420 x 250	10 pouches of 20 wipes	3079180	8070WPM5005
InSpec™ IPA 15 Pouch Wipes					
Saturated wipes, PES/CEL 68 g/m ²	yes	230 x 230	25 pouches of 15 wipes	IPAWFIPCH15S	8005010
InSpec™ IPA 50 Pouch Wipes					
Saturated wipes, PES/CEL 68 g/m ²	yes	230 x 230	16 pouches of 50 wipes	IPAWFIPCH50S	8005011
InSpec™ IPA polyester 15 Wipes					
Saturated wipes, knitted PES 132 g/m ²	yes	230 x 230	25 pouches of 15 wipes	IPAWF15POL9	8005019
InSpec™ IPA					
Saturated mop covers, PES 52 g/m ²	yes	400 x 125	25 pouches of 2 mop covers	IPAWFIMOP-2S	8005024
InSpec™ DE					
Saturated mop covers, PES 52 g/m ²	yes	400 x 125	25 pouches of 2 mop covers	DEWFIMOP-2S	8005026
CONTEC® Critical Site® Sterile Wipes, 70/30 IPA/PW					
Saturated wipes, ideal for cleaning vials	yes	100 x 100	24 pouches of 60 wipes	HCP56044	59802-01(G)

Disinfection products based on non-alcoholic agents



Disinfection products based on non-alcoholic agents



Article	sterile	Dimensions/Content	PU	Producer code	Art. no.
InSpec™ QT+ Premium – quaternary ammonium with complexing agents and water for injection (WFI)					
Spray trigger bottle ¹	yes	900 ml	6	QTPLWFI31-900MLS	8004061
Wipes ² , PES/CEL 68 g/m ² , + solution	yes	230 x 230 mm	20 pouches of 15 wipes	QTPLWFI31BP15S	8005060
Mop covers ³ , PES 52 g/m ² , + solution	yes	400 x 125 mm	25 pouches of 2 mop covers	QTPLWFIMOP2S	8005061
Klercide™ / Klerwipe™ Low Residue Quat – blend of quaternary ammonium compound and water for injection (WFI), low residue					
Spray trigger bottle	yes	1 L	6	3078740	8028600
Saturated wipes, PES 132 g/m ²	yes	200 x 200 mm	20 pouches of 10 wipes	6600052	807600011
Saturated mop wipes, PES 132 g/m ²	yes	420 x 250 mm	10 pouches of 15 wipes	6600058	807600010
InSpec™ AN Premium und Non-Sterile – 4% diamine with water for injection (WFI)					
Spray trigger bottle ¹	yes	900 ml	6	ANWFI20-1LS	8004071
Wipes ² , PES/CEL 68 g/m ² , + solution	yes	230 x 230 mm	20 pouches of 15 wipes	ANWFI20BP15S	8005070
Mop covers ³ , PES 52 g/m ² , + solution	yes	400 x 125 mm	25 pouches of 2 mop covers	ANWFIMOP2S	8005071



Please note: For various reasons, not all the items listed above are available in all countries. In these cases, however, we offer you a suitable alternative.

PES / CEL = polyester / cellulose

¹ This 1 litre spray trigger bottle contains only 900 ml of solution due to the production process

² Burstable pouch, 2-component: wipes + 195 ml ready-to-use solution for soaking

³ Burstable pouch, 2-component: mop covers (weight/pc: 52 g +/- 10%, colour: white) + 390 ml ready-to-use solution for soaking

Disinfectants with sporicidal activity



Biocides with sporicidal activity



Article	sterile	Dimensions / Content	PU	Producer code	Art. no.
Klercide™ Sporidical Enhanced Peroxide – 1.5% hydrogen peroxide blended with surfactants and deionised water (DI)					
Spray trigger bottle	yes	1 L	6	3082820	8028310
Saturated wipes, PES/CEL 68 g/m ²	yes	200 x 200 mm	20 pouches of 15 wipes	3088090	807600013
Saturated mop wipes, PES/CEL 68 g/m ²	yes	420 x 250 mm	10 pouches of 20 wipes	3088100	807600012
Klercide™ Sporidical Active Chlorine – hypochlorite solution (0.5% free chlorine)					
Spray trigger bottle	yes	0,946 L	6	3078930	8013000
InSpec™ OX Premium – sporicidal mixture of 6% hydrogen peroxide / 0.4% peracetic acid blended with purified water					
Spray trigger bottle	yes	1 L	6	XPW40-1LS	8004020
Wipes ² , PES/CEL 68 g/m ² , + solution	yes	230 x 230 mm	20 pouches of 15 wipes	XPW40BP15S	8005020
Mop covers ³ , PES 52 g/m ² , + solution	yes	400 x 125 mm	25 pouches of 2 mop covers	XPWMOP2S	8005021
Klercide™ Sporidical Low Residue Peroxide – blend of 6% hydrogen peroxide and water for injection (WFI)* or deionised water (DI) filtered at 0.2 µm					
Spray trigger bottle*	yes	1 L	6	3079100	80280-1
Saturated wipes, PES/CEL 68 g/m ²	yes	200 x 200 mm	20 pouches of 15 wipes	3079320	8073000
Saturated mop wipes, PES/CEL 68 g/m ²	yes	420 x 250 mm	10 pouches of 20 wipes	3079310	8070WPM5035
InSpec™ HA Premium – sporicidal mixture of hypochloric acid (HClO ⇌ OCl ⁻ + H ⁺) and purified water (PW)					
Spray trigger bottle	yes	1 L	6	HAPW50-1LS	8004040
Wipes ² , PES/CEL 68 g/m ² , + solution	yes	230 x 230 mm	20 pouches of 15 wipes	HAPW50BP15S	8005040
Mop covers ³ , PES 52 g/m ² , + solution	yes	400 x 125 mm	25 pouches of 2 mop covers	HAPWMOP2S	8005041



Please note: For various reasons, not all the items listed above are available in all countries. In these cases, however, we offer you a suitable alternative.

1 This 1 litre spray trigger bottle contains only 900 ml of solution due to the production process
 2 Burstable pouch, 2-component: wipes + 195 ml ready-to-use solution for soaking
 3 Burstable pouch, 2-component: mop covers (weight/pc: 52 g +/- 10%, colour: white)
 + 390 ml ready-to-use solution for soaking

You will find a detailed overview of our product range at www.dastex.com.



A coherent system

From a cleanroom perspective, care should be taken to ensure that waste disposal systems form a coherent system. The containers and disposal materials used should be suitable for containing the waste produced and should not release contamination themselves.

27201



Pactosafe® 4.0 – automatic sealing of substances and waste hazardous to health. Safe intermediate storage of cytotoxic drugs in airtight bags for 7 days.

Pactosafe® 4.0 – sealing unit of waste bag foils with foot pedal switch

Pactosafe®	Article (sealing unit)	Description				Art. no.
		Pactosafe® 4.0 WIDE WS	sealing device of waste bag foils with foot pedal switch			
Pactosafe®	Article (bag foils)	Colour	Foil material / Thickness	Tubular bag ø / Length	PU	Art. no.
		Waste bag foil cassette	①	PE triple layer / 25 µm	357 mm / 40 rm	4

Longopac® – waste container system for tubular bag foil cassettes

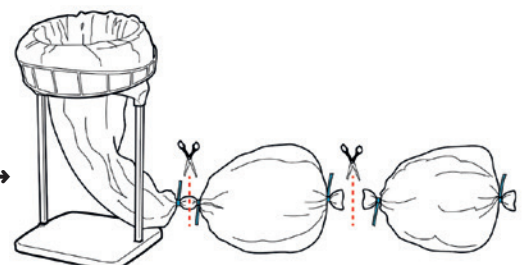
Longopac®	Article (containers)	Description				Art. no.	
		Stand Classic Mini Standard	grey ABS/PC base plate, cassette holder (PP), aluminium feet, galvanised castor holders				27050-1
		Stand Classic Mini Stainless	grey base plate ABS/PC, cassette holder (PP), stainless steel feet and castor holders				27050-2
		Stand Dynamic Mini	galvanised steel				27056-1
		Stand Dynamic Mini Pedal	galvanised steel, lid with pedal				27056-2
Longopac®	Article (tubular bags)	Colour	Foil material / Thickness	Tubular bag ø / Length	PU	Art. no.	
		Mini Standard	① ● ● ● ● ●	PE / 18 µm	357 mm / 60 rm	1	27110
		Mini Sterile*	①	PE / 18 µm	357 mm / 60 rm	3	27111
		Mini Strong	① ● ● ● ● ●	PE / 26 µm	357 mm / 45 rm	1	27100

ABS = acrylonitrile butadiene styrene PC = polycarbonate PP = polypropylene PE = polyethylene rm = running meter * gamma irradiated according to EN ISO 11137-3 (min. 25 kGy)



Important features

- ▶ non-contact filling → lid opening by foot pedal
- ▶ non-contact disposal → continuous tubular bag
- ▶ waste separation → tubular bags in different colours
- ▶ electrical conductivity/electrostatic discharge (ESD) capability → suitable material and suitable tubular bag foils
- ▶ materials of containers can be cleaned and disinfected
- ▶ gamma irradiated tubular bag foil cassettes available



Other products designed for use in cleanrooms



Waste removal and safety



Suitable zip lock bags allow cytostatic drug manufacturers to safely handle sterile preparations of cytostatic drugs

GMP-compliant transfer and handling: sterilised cytostatic protective packaging for transport, storage, transfer to the patient and internal and sterile transport.



Products for safe applications						
Article	Description	Dimensions/mm	sterile	Content	PU	Art. no.
Self-Seal-lock bag Zyto	DV 300-N, volume 7,000 ml	300 x 400	yes	10 x 20 pcs	200	9603132
Self-Seal-lock bag Zyto	DV 220-N, volume 3,000 ml	220 x 310	yes	10 x 20 pcs	200	9603130
Stand 3 for Zyto-Sterilset®	stainless steel (med-V,A), 3 litres	150 W x 150 L x 250 H	no*	1 pcs	1	9603131-1
PE snap closure bag	VHP-impervious packaging	300 x 405	yes	15 x 20 pcs	300	9603140
PE snap closure bag	VHP-impervious packaging	300 x 405	yes	20 x 10 pcs	200	9603141
Large waste bag for transfer	VHP-impervious packaging	600 x 900	yes	15 x 10 pcs	150	9603142

VHP = vaporised hydrogen peroxide

* optional treatment: ethylene oxide, steam

Spills can never be ruled out

In these cases, you need impermeable protective pads that absorb and bind spills and splashes.



Products for spills						
Article	Description	Dimensions/mm	sterile	Content	PU	Art. no.
Sterile Preparation Spill Mat	VHP-impervious single packed	279 x 432	yes	1 pcs	20	80892
SATURIX™ SPAF	spill pad	279 x 406	no	4 x 50 pcs	200	8089300
SATURIX™ SPAFGR	spill pad, gamma irradiated	279 x 406	yes	5 x 30 pcs	150	8089300-1
SATURIX™ SPFM	spill pad	406 x 559	no	4 x 50 pcs	200	8089301
SATURIX™ SPFMGR	spill pad, gamma irradiated	406 x 559	yes	4 x 50 pcs	200	8089301-1



Removable or permanently installed



Other sizes and suitable frames for mats are available on request!

Areas of use

- ▶ in front of the staff airlock
- ▶ in the changing room area
- ▶ in front of or behind the sit-over/shoe change bench
- ▶ directly in front of or behind the inner airlock door
- ▶ during construction works

Tacky mats prevent large quantities of particles from unintentionally entering the cleanroom area through the wheels of conveyor equipment or the soles of shoes

The combination of a washable, permanently adhesive mat and a dust mat with highly adhesive peelable foil sheets provides optimum protection. The pre-cleaning effect of the permanent grip mat reduces the need for more peel-off dust mats and therefore operating costs.

NON-STERILE

Removable tacky mats with peel-off sheets

Article	Description	Colour	Dimensions/mm	sterile	PU	Art. no.
DASTMAT-30	30 sheets per mat ¹⁾	<input checked="" type="radio"/> <input type="radio"/>	1,140 x 660 x 1.5*	no	4 mats/box	50300-02
DASTMAT-30	30 sheets per mat ¹⁾	<input type="radio"/> <input checked="" type="radio"/>	1,140 x 460 x 1.5*	no	4 mats/box	50400-02
DASTMAT-30	30 sheets per mat ¹⁾	<input type="radio"/> <input checked="" type="radio"/>	approx. 914 x 610 x 1.5*	no	8 mats/box	50331

¹⁾ continuous numbering

* total height of the mat

Permanent adhesive tacky mats

Article	Description	Colour	Dimensions/mm	sterile	PU	Art. no.
Standard	basic mat	<input checked="" type="radio"/>	1,200 x 600 x 3	no	1	50270

Mat support frame



Floor plates for tacky foil mats

Where dust binding foil mats cannot be glued directly to the floor or cannot be glued due to unevenness of the floor, self-adhesive removable floor plate are used. Their adhesive underside prevents slipping or shifting under normal use (pedestrian traffic, light industrial trucks, cleaning trolleys, mobile pedestals etc.).

Please ask for our different models!



The Medical & Pharmaceutical Tapes are designed to meet the stringent requirements of these industries. All these adhesive tapes can be irradiated and are therefore suitable for use in both non-sterile and sterile areas. A typical use, for example, is to attach the glove shaft to the sleeve of a cleanroom garment to prevent slippage.



24100

Many applications require cleanroom-compatible adhesive tapes that do not release particles themselves, have sufficient adhesive strength and can be removed again, if necessary, with minimal or no residues. Depending on the area of application, these tapes must be autoclavable, already sterilised or gamma-irradiated.

Other designs and models as well as a wide range of labels are available. Suitable printers are available on request.

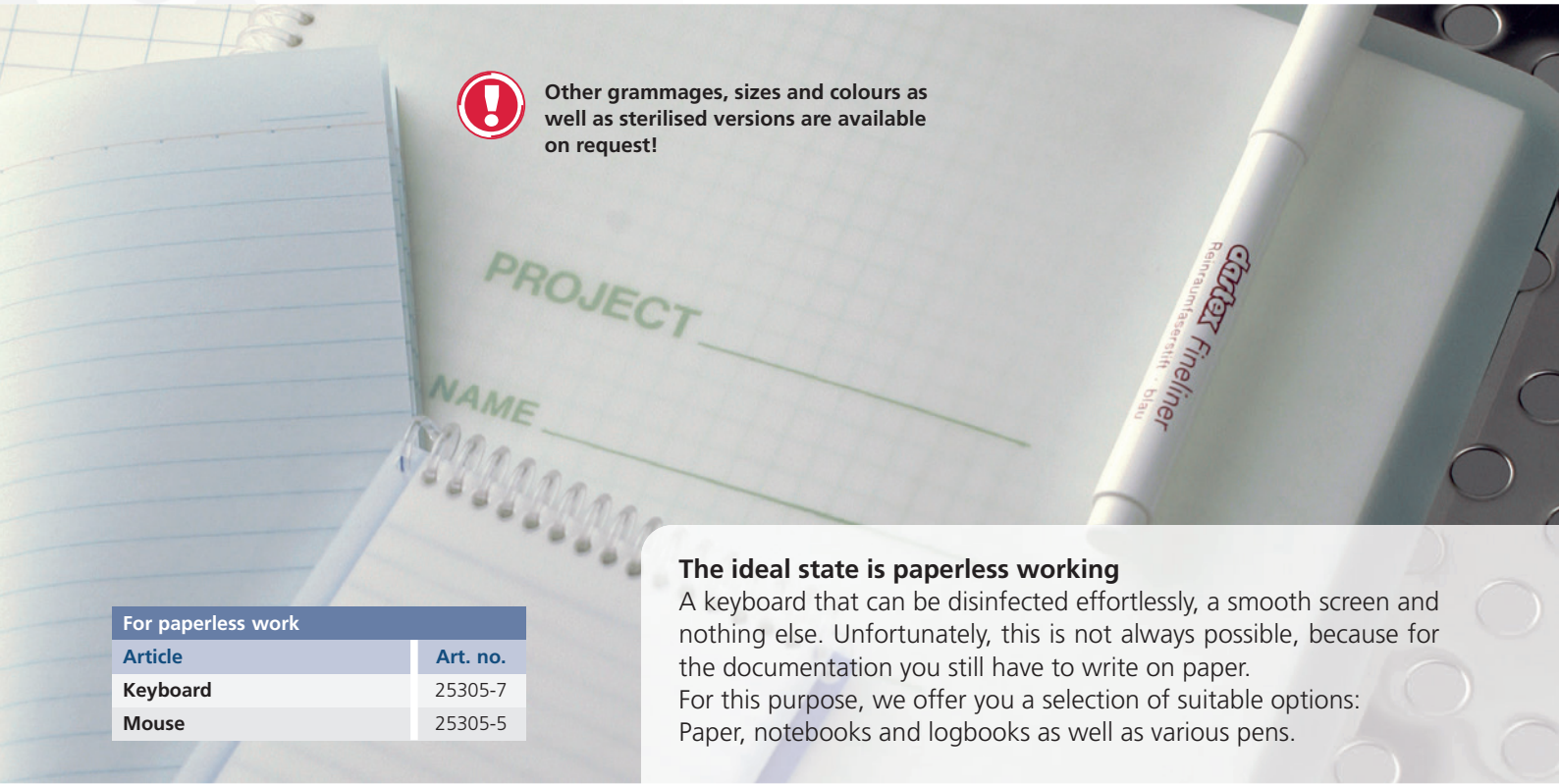


Medical & Pharmaceutical Tapes					
Article	Colour	Width	PU/bags	Producer code	Art. no.
Autoclavable Vinyl Medium Adhesion Cleanroom Tape autoclavable, medium adhesive strength Length: 36 yds ~ 32.9 m	⌚ ○ ●	0.5"	12 rolls	7160	9207160
	● ○ ●	0.75"	8 rolls		
	● ● ●	1"	6 rolls		
	● ● ●	1.5"	4 rolls		
	● ● ●	2"	3 rolls		
Autoclavable Steam Indicator Tape crepe paper with indicator strips after autoclaving, medium adhesive strength Length: 60 yds ~ 54.9 m	●	0.5"	1 roll	7155	9207155
		0.75"	1 roll		
		1"	1 roll		
		1.5"	1 roll		
		2"	1 roll		
Cleanroom Polyethylene Tape perforated, gamma irradiated, low adhesive strength Length: 18 yds ~ 16.5 m	○	1"	36 rolls	CSLB-1WHIR CSLB-2WHIR CSLB-3WHIR	925CR-CSLBIR
		2"	24 rolls		
		3"	12 rolls		
Cleanroom Vinyl Tape gamma irradiated, medium adhesive strength Length: 36 yds ~ 32.9 m	⌚ ○	0.75"	16 rolls	CR100	925CR100IR
		1"	16 rolls		

Dispensers for cleanroom tapes					
Article	Description	Material	sterile	PU	Art. no.
Dispenser	max. 2" width and 220 yards length, for rolls with 3" ø core	stainless steel SUS304	no	1	24100
Dispenser	max. 1" width, for rolls with 3" ø core	stainless steel SUS304	no	1	24103



Other grammages, sizes and colours as well as sterilised versions are available on request!



The ideal state is paperless working

A keyboard that can be disinfected effortlessly, a smooth screen and nothing else. Unfortunately, this is not always possible, because for the documentation you still have to write on paper. For this purpose, we offer you a selection of suitable options: Paper, notebooks and logbooks as well as various pens.

For paperless work	
Article	Art. no.
Keyboard	25305-7
Mouse	25305-5



Cleanroom paper (for writing/printing), cleanroom notebooks, cleanroom logbooks						
Article	Format	Print	Colour	Grammage	PU	Art. no.
Paper	DIN A5	-		72 g/m ²	5,000 sheets	56212
Paper	DIN A4	-		72 g/m ²	2,500 sheets	56212
Paper BCR® Bond	DIN A5	-		85 g/m ²	5,000 sheets	56217
Paper BCR® Bond	DIN A4	-		85 g/m ²	2,500 sheets	56217
Notebook, 50 sheets ¹	DIN A5	squared		72 g/m ²	5 pcs	56402-02
Notebook, 50 sheets ¹	DIN A4	squared		72 g/m ²	5 pcs	56402-02
Logbook, 50 sheets ¹	DIN A4	squared		72 g/m ²	10 pcs*	56471

¹ spiral bound

*individually packed

Cleanroom pens					
Article	Writing line thickness	Colour	sterile	PU	Art. no.
Felt pen (Fineliner)	0.4 mm		yes	10 pcs*	56011
Felt pen (Fineliner)	0.4 mm		no	10 pcs*	56015
Felt pen LabMarker™	0.4 mm		yes	10 pcs*	56021
Felt pen Sharpie®	1 mm		yes	25 pcs*	56023

*individually packed



56212

Cleanroom paper
250-sheet sub-package



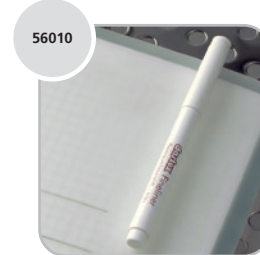
56471

Cleanroom logbook –
printed on both sides



56471

Cleanroom logbook – individually
and continuously numbered



56010

Fineliner –
permanent marking



56021

LabMarker™ –
IPA resistant

Professional Cleanroom Expertise



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