Disinfectants







RAGUARD

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Please refer to our website for the registration numbers of the biocidal products offered, which are subject to information.

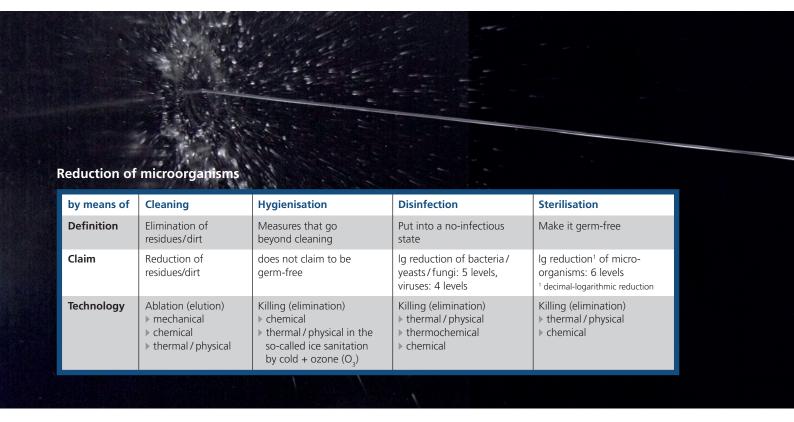
▶ Cleaning, disinfection, protection and care



Hand hygiene

148 - 149

Interesting facts about disinfectants



General information

In hygienic controlled areas, besides the cleaning of rooms and product contact/ no-product contact surfaces, an equal focus is placed on disinfection. Disinfection can be carried out in a variandy of different ways.

We will concentrate the following pages essentially on the manual disinfection. Il you may have questions about "automatized" disinfection e.g. by means of dry fog, please ask us about it individually.

There are many manufacturers who, in their advertising, claim to be the right partner, in particular to have the right disinfection product for the area of use in question.

Some questions need to be clarified in advance in order to avoid "Nobody told me" or "I didn't know" afterwards. Are reliable and extensive documents available, as well as the necessary validation documents? Is product labelling in line with applicable law? Is sustainable sourcing ensured? Are the products used compatible with each other? Is the disinfectant available in sterile form? How long is the sterility of the product ensured after opening the packaging? Is the chosen disinfectant actually approved as such?

This is not only a question of having passed the EN standards suitability test, but also of proper registration as a biocide and authorisation according to Regulation (EU) No 528/2012 concerning the making available on the market and use of biocidal products.



The right choice of disinfectant is crucial to succeed in "putting dead or living materials" in your production area "in such a condition that they can no longer infect" (reference: Deutsches Arzneibuch – German Pharmacopoeia). It is important to observe specifications or rules which, on the one hand, allow for an efficient operation and, on the other hand, do not harm employees and materials.

In addition to the classic alcohol-based disinfectants, we offer a variety of biocides with other active ingredients. Our products are available either ready-to-use or as concentrates: they are available in spray bottles, canisters and round tins, and wet wipes in round tin dispensers or pouch bags.

If dry and sterile wipes are used with water-based disinfectants such as WFI, you should check whether these are also low in endotoxins or have been tested for endotoxins so as not to damage your product or process.



When using disinfectant products, take into consideration that their residual quantities or rather their residues must be removed in regular intervals.

The use of low residue products can ensure that the follow-up treatment will require clearly less consumables and time. Thus the selective use of suitable products can reduce costs and the production process can be designed more efficient.

Standards

Recognised international standards are e.g.:



EN 13697:2019-10

Bactericidal and/or fungicidal efficacy

Ig reduction by 4 levels (bactericidal) Ig reduction by 3 levels (fungicidal)

Chemical disinfectants and antiseptics – Quantitative no-porous surface test for the evaluation of bactericidal and/or fungicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas – Test mandhod and requirements without mechanical action (phase 2, step 2)

EN 13704:2018

Sporicidal efficacy

Ig reduction by 3 levels

Chemical disinfectants – Quantitative suspension test for the evaluation of sporicidal activity of chemical disinfectants used in food, industrial, domestic and institutional areas – Test mandhod and requirements (phase 2, step 1)

EN 1650:2019

Fungicidal or yeasticidal efficacy

lg reduction by 4 levels (fungicidal) lg reduction by 4 levels (yeasticidal)

Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of fungicidal or yeasticidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas – Test mandhod and requirements (phase 2, step 1)



EN 1276:2019

Bactericidal efficacy

lg reduction by 5 levels

Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of bactericidal activity of chemical disinfectants and antiseptics used in food, industrial, domestic and institutional areas – Test mandhod and requirements (phase 2, step 1)

EN 14476:2013+A2:2019

Virucidal efficacy

Ig reduction by 4 levels

Chemical disinfectants and antiseptics – Quantitative suspension test for the evaluation of virucidal activity in the medical areas – Test mandhod and requirements (Phase 2/Step 1)

EN 16615:2015

Bactericidal and yeasticidal efficacy

Ig reduction by 5 levels (bactericidal) Ig reduction by 4 levels (yeasticidal)

Chemical disinfectants and antiseptics – Quantitative test mandhod for the evaluation of bactericidal and yeasticidal activity on no-porous surfaces with mechanical action employing wipes in the medical area (4-field test) – Test mandhod and requirements (phase 2, step 2)

InSpec[™] Guide to surface contamination control

Product description	Manufacturer code	Art. No.	Colour code	Chemicals	Mixture
InSpec™ IPA 500ml Sterile Trigger Spray	IPAWFI-500MLS	8004013			
InSpec™ IPA 1L Sterile Trigger Spray	IPAWFI1-1LS	8004012			
InSpec™ IPA 5L Screw cap	IPAWFI1-5LS	8004014			
InSpec™ IPA 15 Pouch Wipes	IPAWFIPCH15S	8005010			
InSpec™ IPA 50 Pouch Wipes	IPAWFIPCH50S	8005011			70 30 v/v
InSpec™ IPA Tub Wipes – 200 wipes / roll	IPAWFI12TB200S	8005013		Isopropanol (Propan-2-ol)	70% isopropanol mixed with
InSpec™ IPA Polyester 15 Wipes	IPAWFI15POL9	8005019		(F10pa11-2-01)	30% WFI
InSpec™ IPA Polyester 20 Wipes	IPAWFI20POL12	8005027			
InSpec™ IPA Polyester 30 Wipes	IPAWFI30POL12	8005028			
InSpec™ IPA Sachet – Single Wipes	IPAWFICH1S	8005014			
InSpec™ DE 500ML Sterile Trigger Spray	DEWFI11-500MLS	8004032			
InSpec™ DE 1L Sterile Trigger Spray	DEWFI10-1LS	8004030			70 30 v/v 70% andhanol mixed with 30% WFI
InSpec™ DE 5L	DEWFI10-5LS	8004031		Ethanol,	
InSpec™ DE 15 Pouch Wipes	DEWFIPCH15S	8005030		denatured by addition of	
InSpec™ DE 50 Pouch Wipes	DEWFIPCH50S	8005031		isopropanol	
InSpec [™] DE Sterile Tub Wipes – 130 wipes / roll	DEWFI12TB130S	8005032			
InSpec™ DE Sterile Tub Wipes – 200 wipes /roll	DEWFI12TB200S	8005033			
InSpec™ OX 1L Sterile Trigger Spray	OXPW40-1LS	8004020		Sporicidal mixture of hydrogen	6% hydrogen peroxid / 0.4% peracetic acid mixed with PW
InSpec™ OX 5L Screw Cap	OXPW40-5LS	8004021			
InSpec™ OX Burstable Pouch – 15 Wipes	OXPW40BP15S	8005020		peroxide and	
InSpec™ OX Burstable Mop – 2 Sterile Mops	OXPWMOP2S	8005021		peracetic acid	
InSpec™ QT 900MLS Sterile Trigger Spray	QTWFI30-1LS	8004051			
InSpec™ QT 5L	QTWFI30-5LS	8004062		Quaternary	4% quaternary
InSpec™ QT Concentrate	QTCNC30-100	8004050		ammonium	ammonium
InSpec™ QT Burstable Pouch – 15 Wipes	QTWFI30BP15S	8005050		compound	compound mixed with WFI
InSpec™ QT Burstable Mop – 2 Sterile Mops	QTWFIMOP2S	8005051			
InSpec™ QT+ Sterile 1L Trigger RTU	QTPLWFI31-900MLS	8004061			
InSpec™ QT+ Sterile 5L RTU	QTPLWFI31-5LS	8004062		Quaternary ammonium	2% quaternary ammonium
InSpec™ QT+ Sterile Concentrate 102ml	QTPLCNC-102	8004060		compound with	compound
InSpec™ QT+ Burstable Wipes – 15 Wipes	QTPLWFI31BP15S	8005060		complexing agents	mixed with WFI
InSpec™ AN 900MLS Sterile	ANWFI20-1LS	8004071			
InSpec™ AN 5L Screw Cap	ANWFI20-5LS	8004072			
InSpec™ AN Concentrate	ANCNC20-100	8004070		Diamine with water	4% diamine mixed with WFI
InSpec™ AN Burstable Pouch – 15 Wipes	ANWFI20BP15S	8005070		with water	mixeu with vvri
InSpec™ AN Burstable Mop – 2 Sterile Mops	ANWFIMOP2S	8005071			
InSpec™ HA 1L Sterile Trigger Spray	HAPW50-1LS	8004040			
InSpec™ HA 5L	HAPW50-5LS	8004041		Sporicidal mixture	7% hypochlorous
InSpec™ HA Burstable Wipes – 15 Wipes	HAPW50BP15S	8005040		made of hypochlorous acid	acid mixed with PW
InSpec™ HA Burstable Mop – 2 Sterile Mops	HAPWMOP2S	8005041		, poc 51005 dela	

n. s.= not specified

RTU = ready to use

WFI = water for injection

PW = purified water

Filtered (0.2 μm)	Bag in bottle	Screw cap	Wipe/ Mop cover	Sterile	Gamma- irradiated in case of wipes	Aseptically treated	Shelf life from date of manufacture	Recommended shelf life after opening
V	V			V			2 years	3 months
V	V			V			2 years	3 months
V		V		V			2 years	10 hours
V			V	V			2 years	10 hours
V			V	V			2 years	10 hours
V			V	V			2 years	n. s.
V			V	V			2 years	10 hours
V			V	V			2 years	10 hours
V			V	V			2 years	10 hours
V			V	V			2 years	2 hours
V	V			V			2 years	3 months
V	V			V			2 years	3 months
V		~		V			2 years	10 hours
V			V	V			2 years	10 hours
V			V	V			2 years	10 hours
V			V	V			2 years	n. s.
V			V	V			2 years	n. s.
V	V			V		V	2 years	3 months
V		V		V		V	2 years	10 hours
V			V	V		V	2 years	2 hours
V			V	V		V	2 years	2 hours
V	V			V	V		2 years	3 months
V		V		V	V		2 years	10 hours
V				V	V		2 years	10 hours
V			V	V	V		2 years	2 hours
V			V	V	V		2 years	2 hours
V	V			V	V		2 years	3 months
V		V		V	V		2 years	10 hours
V				V	V		2 years	10 hours
V			V	V	V		2 years	2 hours
V	V			V	V		2 years	3 months
V		V		V	V		2 years	10 hours
V				V	V		2 years	10 hours
V			V	V	V		2 years	2 hours
V			V	V	V		2 years	2 hours
V	V			V		V	1 year	3 months
V		V		V		V	1 year	10 hours
V		•	V	V		V	1 year	2 hours
V			V	V		V	1 year	2 hours

Corresponding no-sterile versions available!

Manufacturer's data

Alcohol based disinfectants

Product characteristics

- chemical disinfectants prepared in different mixing ratios with DI-/WFI-water or with purified water (PW)
- > all mixtures are pre-filtered to 0.2 μm and filled under cleanroom conditions
- the sterilisation usually takes place from 25 kGy up to 45 kGy
- ▶ 0.5/1 I spray bottles with proven bag-in-bottle system and membrane valve trigger spray head for contamination-free use
- ▶ 360 ml aerosol cans and 5-litre canisters with screw cap
- all products are foil-packed several times under cleanroom conditions for safe transfer
- comprehensive documentation and certificates
- saturated wipes and mop wipes in different sizes and designs (see chapter 7.5)

InSpec[™] IPA



InSpec™ IPA Sterile and Non-Sterile

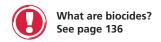
70% isopropanol (propan-2-ol) blended with 30% Water for Injection (WFI)

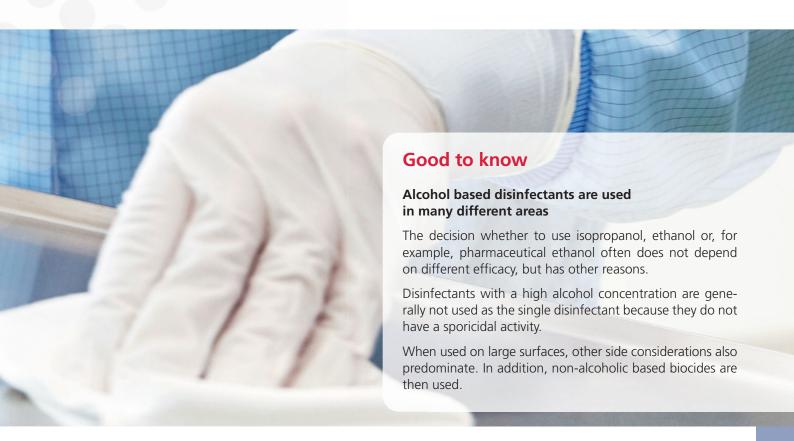
Type of container	sterile	Content	PU	Manufacturer code	Art. No.
Spray bottle, WFI	yes	500 ml	8	IPAWFI-500MLS	8004013
Spray bottle, WFI	yes	1 L	6	IPAWFI1-1LS	8004012
Canister with screw cap, WFI	yes	5 L	2	IPAWFI1-5LS	8004014
Spray bottle, WFI	no	500 ml	8	NSIPAWFI-500ML	8004003
Spray bottle, WFI	no	1 L	6	NSIPAWFI-1L	8004004
Canister with screw cap, WFI	no	5 L	2	NSIPAWFI-5L	8004002

▶ EN 1276 Bacteria

EN 13697 Bacteria and fungi

▶ EN 1650 Fungi or yeasts





InSpec[™] DE

InSpec[™] DE Sterile and Non-Sterile

70% ethanol denatured with isopropanol blended with 30% Water for Injection (WFI)

Type of container	sterile	Content	PU	Manufacturer code	Art. No.
Spray bottle, WFI	yes	500 ml	8	DEWFI11-500MLS	8004032
Spray bottle, WFI	yes	1 L	6	DEWFI10-1LS	8004030
Canister with screw cap, WFI	yes	5 L	2	DEWFI10-5LS	8004031
Spray bottle, WFI	no	500 ml	8	NSDEWFI-500ML	8004035
Spray bottle, WFI	no	1 L	6	NSDEWFI-1L	8004033
Canister with screw cap, WFI	no	5 L	2	NSDEWFI-5L	8004034

- ▶ EN 1276 Bacteria
- ▶ EN 13697 Bacteria and fungi
- ▶ EN 1650 Fungi or yeasts



Alcohol saturated wipes

InSpec[™] IPA



InSpec[™] IPA – 70% isopropanol (propan-2-ol) blended with 30% Water for Injection (WFI)

Description	sterile	Size/mm	PU	Manufacturer code	Art. No.
InSpec [™] IPA 15 Pouch Wipes Saturated wipes, PES/CEL, 68 g/m²	yes	230 x 230	25 pouches of 15 wipes	IPAWFIPCH15S	8005010
InSpec [™] IPA 50 Pouch Wipes Saturated wipes, PES/CEL, 68 g/m²	yes	230 x 230	16 pouches of 50 wipes	IPAWFIPCH50S	8005011
InSpec [™] IPA Tub Wipes Saturated wipes, PES/CEL, 23 g/m²	yes	200 x 200	12 tube boxes of 200 wipes/roll	IPAWFI12TB200S	8005013
InSpec [™] IPA Sachet Saturated wipes, PES / CEL, 55 g/m²	yes	190 x 160	10 x 50 single sachets	IPAWFICH1S	8005014
InSpec [™] IPA 15 Pouch Wipes Non-Sterile Saturated wipes, PES/CEL, 68 g/m²	no	230 x 230	25 pouches of 15 wipes	NSIPAWFIPCH15	8005015
InSpec [™] IPA 50 Pouch Wipes Non-Sterile Saturated wipes, PES/CEL, 68 g/m ²	no	230 x 230	16 pouches of 50 wipes	NSIPAWFIPCH50	8005016
InSpec [™] IPA Tub Wipes Non-Sterile Saturated wipes, PES/CEL, 23 g/m²	no	200 x 200	12 tube boxes of 200 wipes/roll	NSIPAWFI12TB200	8005017
InSpec [™] IPA Polyester 15 Wipes Saturated wipes, knitted PES, 132 g/m²	yes	230 x 230	25 pouches of 15 wipes	IPAWFI15POL9	8005019
InSpec [™] IPA Polyester 20 Wipes Saturated wipes, knitted PES, 132 g/m²	yes	300 x 300	10 pouches of 20 wipes	IPAWFI20POL12	8005027
InSpec TM IPA Polyester 30 Wipes Saturated wipes, knitted PES, 132 g/m ²	yes	300 x 300	10 pouches of 30 wipes	IPAWFI30POL12	8005028

DISINFECTANTS

InSpec[™] DE



Description	sterile	Size/mm	PU	Manufacturer code	Art. No.
InSpec [™] DE 15 Pouch Wipes Saturated wipes, PES/CEL, 68 g/m²	yes	230 x 230	25 pouches of 15 wipes	DEWFIPCH15S	8005030
InSpec [™] DE 50 Pouch Wipes Saturated wipes, PES/CEL, 68 g/m²	yes	230 x 230	16 pouches of 50 wipes	DEWFIPCH50S	8005031
InSpec [™] DE Sterile Tub Wipes Saturated wipes, viscose, 45 g/m²	yes	200 x 185	12 tube boxes of 130 wipes/roll	DEWFI12TB130S	8005032
InSpec [™] DE Tub Wipes Saturated wipes, PES/CEL, 23 g/m²	yes	200 x 200	12 tube boxes of 200 wipes/roll	DEWFI12TB200S	8005033
InSpec [™] DE 15 Pouch Wipes Non-Sterile Saturated wipes, PES/CEL, 68 g/m²	no	230 x 230	25 pouches of 15 wipes	NSDEWFIPCH15	8005036
InSpec [™] DE 50 Pouch Wipes Non-Sterile Saturated wipes, PES/CEL, 68 g/m²	no	230 x 230	16 pouches of 50 wipes	NSDEWFIPCH50	8005037
InSpec [™] DE Tub Wipes Non-Sterile Saturated wipes, PES/CEL, 23 g/m²	no	200 x 200	12 tube boxes of 200 wipes/roll	NSDEWFI12TB200	8005035

Product characteristics of alcohol saturated wipes and mop wipes

- low-particle, ready-to-use cleaning wipes, non-woven fabrics made of polyester (PES) and cellulose (CEL) or knitted from polyester, saturated with a blend of isopropanol (IPA) or denatured ethanol (DE) with water in WFI/PW quality
- > sterile cleanroom wipes are sterilised by gamma irradiation in a validated process (at least 25 – 45 kGy)
- by different, resealable dispenser units as bags or tube boxes
- pouch packaging can be easily opened and closed with gloves
- different sizes for different applications
- wipes are supplied with appropriate documentation (certificate of analysis, irradiation, sterility, endotoxin content)
- unique batch numbering for improved quality of traceability
- ▶ all packaging types have a minimum shelf life of 24 months from the date of manufacture



Disinfectants on basis of non-alcoholic ingredients

What are biocides?

Biocides are single agents or mixtures of agents designed to render innocuous or kill harmful organisms (bacteria, viruses, spores, fungi or yeasts). Biocides should meet various mandatory standards in order to be used in cleanrooms (efficacy and approval).

Use biocide products carefully! Read always the label, product information and safety data sheet before use.

Always wear suitable gloves, goggles or face protection and appropriate clothing.

Observe the following criteria: specific task, duration of the disinfection session, cleaning utensils, surface texture, ventilation system, physical sensitivities of the users, etc.

We will be pleased to advise you!



InSpec[™] QT

InSpec™ QT Sterile and Non-Sterile, Concentrate, Burstable Wipes, Burstable Mops

4% quaternary ammonium compound with Water for Injection (WFI)

Type of container	sterile	Content	PU	Manufacturer code	Art. No.
Spray bottle, WFI ¹	yes	900 ml	6	QTWFI30-1LS	8004051
Canister with screw cap, WFI	yes	5 L	2	QTWFI30-5LS	8004052
Flask with screw cap concentrate	yes	100 ml	50	QTCNC30-100	8004050
Spray bottle, WFI¹	no	900 ml	6	NSQTWFI-1L	8004054
Canister with screw cap, WFI	no	5 L	2	NSQTWFI-5L	8004055
Flask with screw cap concentrate	no	100 ml	50	NSQTCONC-100ML	8004053

Burstable Wipes and Burstable Mops

2-component pouches	sterile	Size/mm	PU	Manufacturer code	Art. No.
Wipes² PES/CEL, 68 g/m ² + solution	yes	230 x 230	20 pouches of 15 wipes	QTWFI30BP15S	8005050
Mop covers³ PES 52 g/m² + solution	yes	400 x 125	10 pouches of 2 mop covers	QTWFIMOP2S	8005051
Mop covers ³ PES 52 g/m² + solution	no	400 x 125	10 pouches of 2 mop covers	2116007	8005052

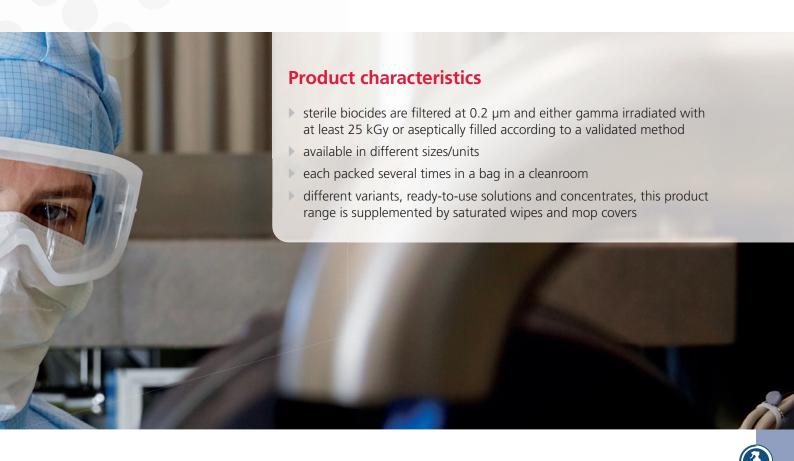
InSpecTM QT, as a non-oxidizing biocide, is an ideal rotational disinfection partner for InSpecTM AN, HA or OX.



▶ EN 1650 Fungi or yeasts







InSpec[™] QT+

InSpec™ QT+ Sterile and Non-Sterile, Concentrate, Burstable Wipes

Quaternary ammonium compound with complexing agents and Water for Injection (WFI)

Type of container	sterile	Content	PU	Manufacturer code	Art. No.
Spray bottle, WFI ¹	yes	900 ml	6	QTPLWFI31-900MLS	8004061
Canister with screw cap, WFI	yes	5 L	2	QTPLWFI31-5LS	8004062
Flask with screw cap concentrate	yes	102 ml	50	QTPLCNC31-102	8004060
Spray bottle, WFI¹	no	900 ml	6	NSQTPLWFI-1L	8004064
Canister with screw cap, WFI	no	5 L	2	NSQTPLWFI-5L	8004065
Flask with screw cap concentrate	no	102 ml	50	NSQTPLCNC-102	8004063

▶ EN 1276 Bacteria

EN 1650 Fungi or yeasts

Burstable Wipes

2-component pouches	sterile	Size/mm	PU	Manufacturer code	Art. No.
Wipes² PES/CEL, 68 g/m ² + solution	yes	230 x 230	20 pouches of 15 wipes	QTPLWFI31BP15S	8005060

InSpec™ QT+, as a non-oxidizing biocide, is an ideal rotational disinfection partner for InSpec™ AN, HA or OX



[▶] EN 13697 Bacteria and fungi

¹ due to process, the 1-liter bottle contains 900 ml solution

² wipes: 195 ml ready-to-use solution for saturating the wipes

³ mop covers: weight/piece: 52 g +/- 10%, colour: white, 390 ml ready-to-use solution for saturating both mop covers



InSpec[™] AN

InSpec[™] AN Sterile and Non-Sterile, Concentrate, Burstable Wipes, Burstable Mops

4% diamine with Water for Injection (WFI)

Type of container	sterile	Content	PU	Manufacturer code	Art. No.
Spray bottle, WFI ¹	yes	900 ml	6	ANWFI20-1LS	8004071
Canister with screw cap, WFI	yes	5 L	2	ANWFI20-5LS	8004072
Flask with screw cap concentrate	yes	100 ml	50	ANCNC20-100	8004070
Spray bottle, WFI ¹	no	900 ml	6	NSANWFI-1L	8004074
Canister with screw cap, WFI	no	5 L	2	NSANWFI-5L	8004075
Flask with screw cap concentrate	no	100 ml	50	NSANCONC-100ML	8004073

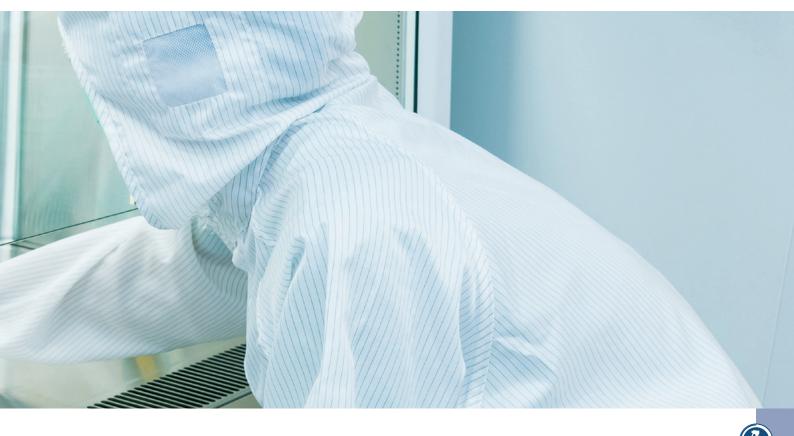
[▶] EN 1276 Bacteria



[▶] EN 13697 Bacteria and fungi

[▶] EN 1650 Fungi or yeasts

¹ due to process, the 1-liter bottle contains 900 ml solution



Burstable Wipes and Burstable Mops

2-component pouches	sterile	Size/mm	PU	Manufacturer code	Art. No.
Wipes² PES/CEL, 68 g/m ² + solution	yes	230 x 230	20 pouches of 15 wipes	ANWFI20BP15S	8005070
Mop covers³ PES 52 g/m² + solution	yes	400 x 125	10 pouches of 2 mop covers	ANWFIMOP2S	8005071

2 wipes: 195 ml ready-to-use solution for saturating the wipes 3 mop covers: weight/piece: 52 g +/- 10%, colour: white, 390 ml ready-to-use solution for saturating both mop covers

InSpec™ AN, as a non-oxidizing biocide, is an ideal rotational disinfection partner for InSpec™ QT, HA or OX.



Biocides with sporicidal activity



InSpec[™] OX

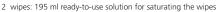
InSpec[™] OX Sterile and Non-Sterile, Burstable Wipes, Burstable Mops

Sporicidal Preparation Hydrogen Peroxide 6% v/v and Peracetic Acid 0.4% v/v with purified water (PW)

Type of container	sterile	Content	PU	Manufacturer code	Art. No.
Spray bottle	yes	1 L	6	OXPW40-1LS	8004020
Canister with screw cap	yes	yes 5 L	2	OXPW40-5LS	8004021
Spray bottle	no	1 L	6	NSOXPW-1L	8004022
Canister with screw cap	no	5 L	2	NSOXPW-5L	8004023

Burstable Wipes and Burstable Mops

2-component pouches	sterile	Size/mm	PU	Manufacturer code	Art. No.
Wipes² PES/CEL, 68 g/m ² + solution	yes	230 x 230	20 pouches of 15 wipes	OXPW40BP15S	8005020
Mop covers³ PES 52 g/m² + solution	yes	400 x 125	10 pouches of 2 mop covers	OXPWMOP2S	8005021



³ mop covers: weight/piece: 52 g +/- 10%, colour: white, 390 ml ready-to-use solution for saturating both mop covers

InSpec™ OX, as a oxidizing sporicide, is an ideal rotational partner for InSpec™ QT or AN.



▶ EN 1276 Bacteria

▶ EN 13697 Bacteria and fungi

▶ EN 1650 Fungi or yeasts



InSpec[™] HA

InSpec[™] HA Sterile and Non-Sterile, Burstable Wipes, Burstable Mops Sporicidal Preparation of Hypochlorous Acid (HCIO ≒ OCI + H⁺) with purified water (PW)

Type of container	sterile	Content	PU	Manufacturer code	Art. No.
Spray bottle	yes	1 L	6	HAPW50-1LS	8004040
Canister with screw cap	yes	5 L	2	HAPW50-5LS	8004041
Spray bottle	no	1 L	6	NSHAPW-1L	8004042
Canister with screw cap	no	5 L	2	NSHAPW-5L	8004043



Burstable Wipes and Burstable Mops

2-component pouches	sterile	Size/mm	PU	Manufacturer code	Art. No.
Wipes² PES/CEL, 68 g/m ² + solution	yes	230 x 230	20 pouches of 15 wipes	HAPW50BP15S	8005040
Mop covers³ PES 52 g/m² + solution	yes	400 x 125	10 pouches of 2 mop covers	HAPWMOP2S	8005041

▶ EN 13704 Spores

InSpec™ HA, as a oxidizing sporicide, is an ideal rotational partner for InSpec™ QT or AN.

 ² wipes: 195 ml ready-to-use solution for saturating the wipes
 3 mop covers: weight/piece: 52 g +/- 10%, colour: white, 390 ml ready-to-use solution for saturating both mop covers

InSpec® 2-component pouches (burstable) Instructions for application preparation

Saturated cleaning wipes



Put the 2-component pouch on a hard steady horizontal surface (label face up).



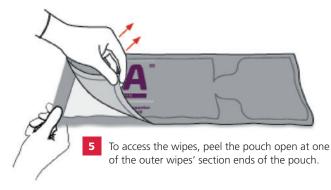
With outer packaging still in place, roll the pouch from the liquid section outer edge and apply pressure to force liquid across the burstable barrier to saturate the wipes.



Flatten the liquid sections to ensure the preparation is transferred to the wipes section.



Wait for 1 minute, then remove the transparent outer bag and access the wipes.





Safe application!

Always wear suitable gloves, goggles or face protection and an appropriate clothing.

Always read the label and the safety data sheet before use.

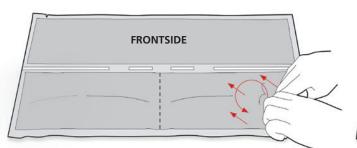
2-component pouches with wipes (15 pieces) have two, those with mop covers (2 pieces) have three inner sections, 195 ml, i.e. 390 ml ready-to-use solution.

This innovative dosage form guarantees wiping and product efficacy over the entire shelf life (12 to 24 months).

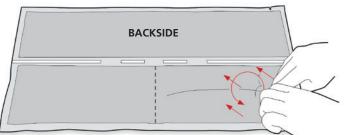
Until the time of use, the wipes and mop covers are sterile. The product should be used within a normal cleanroom working time (wipes max. 10 hrs./mop covers max. 2 hrs.).



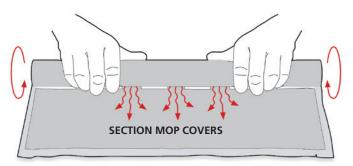
Saturated mop covers



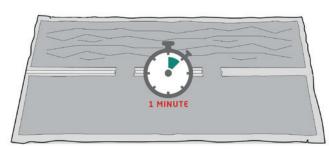
Place the 2-component pouch on a flat surface and roll up the right liquid section, then hold it firmly with one hand and press it with the other hand downwards, around the inner pouch section 1 to make it bursts open. Press out the content completely.



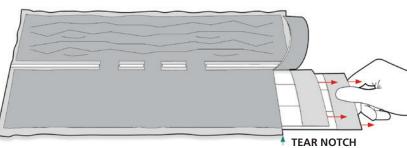
Turn the pouch upside down - the back is facing you and roll up the remaining right-hand fluid section. Hold it with one hand and press it with the other hand downwards, so that the inner pouch section 2 bursts open. Press out the content completely.



To ensure maximum flow of the biocide to the mop cover side, roll and compress the liquid side of the pouch to force all the liquid into the section with the mop covers.



Leave flat for one minute so that the biocide can completely saturate the two mop covers.



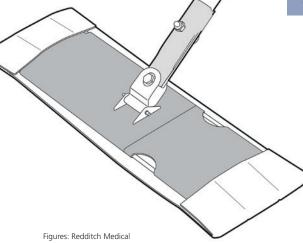
Open the section with the mop covers using the tear notch to pull them out. Use them within a maximum of 2 hours.

Attach the mop cover on the mop head: it is ready for action.

Any combination of biocidal or sporicidal ready-to-use solutions is an ideal partner for rotational disinfection.

InSpec™ Burstable Pouches are manufactured according to GMP in an ISO 14644-1 Class 6 cleanroom. The products are filled and sealed in an ISO 14644-1 Class 5 environment.

Each pouch is delivered in two separate, fully sealed, flexible PE pouches for aseptic cleanroom transfer.



Additional products

Manual cleaning and disinfection



Necessary and useful additional products can be, on the one hand, facilities and solutions to thoroughly clean surfaces and rooms before disinfection or, on the other hand, to remove after disinfection the used residues of the biocides.

These can be wipes and other aids with which products are not only cleaned and disinfected but also maintained.

Sterile neutral cleaning agents are available for this purpose in different variants. Sterile water in WFI quality completes the range. In addition to the sterile floor and surface wipes and mop covers saturated with a cleaning agent, wipes saturated with silicone and alcohol are also available for special applications.

For use in non-sterile, hygienically controlled areas, there are also products that offer both in one: effective disinfection combined with simultaneous surface cleaning.

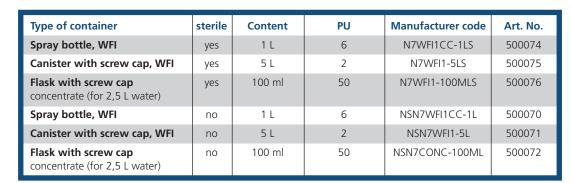
InSpec[™] N7



InSpec™ N7 Sterile and Non-Sterile, Concentrate, Pre-impregnated Pouch Wipes

Ready-to-use mixture as 4% pH-neutral manual detergent agent with surfactants and complexing agents and Water for Injections (WFI)

pH neutral cleaning solution





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Pouches	sterile	Size/mm	PU	Manufacturer code	Art. No.
Saturated wipes PES/CEL, 68 g/m²	yes	230 x 230	25 pouches of 15 wipes	N7WFIPCH15S	500077



InSpec[™] N10

InSpec™ N10 Sterile and Non-Sterile, Concentrate, Burstable Mops

Pre-diluted (4% detergent to WFI)

Alkaline detergent and hard surface cleaner for use in the biopharmaceutical and cleanroom industries

Type of container	sterile	Content	PU	Manufacturer code	Art. No.
Spray bottle, WFI ¹	yes	900 ml	6	N10WFI1CC-1LS	500064
Canister with screw cap, WFI	yes	5 L	2	N10WFI1-5LS	500066
Flask with screw cap concentrate (for 2.5 L of water)	yes	100 ml	50	N10WFI1-100MLS	500067
Spray bottle, WFI	no	900 ml	6	NSN10WFI-1L	500060
Canister with screw cap, WFI	no	5 L	2	NSN10WFI-5L	500062
Flask with screw cap concentrate	no	1 L	6	NSN10CONC-1L	500061
Flask with screw cap concentrate (for 2.5 L of water)	no	100 ml	50	NSN10CONC-100ML	500063

Burstable Mops

2-component pouches	sterile	Size/mm	PU	Manufacturer code	Art. No.
Mop covers³ PES 52 g/m² + solution	yes	400 x 125	10 pouches of 2 mop covers	N10WFIMOP2S	500068

 $^{3\ \} mop\ covers: weight/piece: 52\ g\ +\text{/-}\ 10\%,\ colour:\ white,\ 390\ ml\ ready-to-use\ solution\ for\ saturating\ both\ mop\ covers$



Product recommendations for hygiene areas according to GMP

				Hygi crobiolo eas) acc		contro	
	Description		Α	В	С	D	Е
	InSpec™	IPA 1L/ 500ml Sterile Trigger Spray					
	InSpec™	IPA 5L Screw cap					
BAS	InSpec™	IPA Pouch 15 Wipes / 50 Wipes					
BIOCIDES ALCOHOL BASED	InSpec™	IPA Tub Wipes / Sterile Tub Wipes					
Ö	InSpec™	IPA Polyester Wipes 15 / 20 / 30					
ALC	InSpec™	IPA Sachet – Single Wipes					
ES	InSpec™	IPA 1L/ 500ml Trigger Spray Non-Sterile					
Ð	InSpec™	IPA 5L Screw cap Non-Sterile					
BIO	InSpec™	IPA Pouch 15 Wipes / 50 Wipes Non-Sterile					
	InSpec™	IPA Tub Wipes Non-Sterile					
	InSpec™	DE 1L/ 500ml Sterile Trigger Spray					
	InSpec™	DE 5L Screw cap					
ED	InSpec™	DE Pouch 15 Wipes / 50 Wipes					
ES	InSpec™	DE Tub Wipes / Sterile Tub Wipes					
5 0	InSpec™	DE Burstable Mop – 2 Sterile Impregnated Mops					
BIOCIDES ALCOHOL BASED	InSpec™	DE 1L/500ml Trigger Spray Non-Sterile					
AL(InSpec™	DE 5L Screw cap Non-Sterile					
	InSpec™	DE Pouch 15 Wipes / 50 Wipes Non-Sterile					
	InSpec™	DE Tub Wipes Non-Sterile					
	InSpec™	AN 900MLS Sterile Trigger Spray					
	InSpec™	AN 5L Screw cap					
κ	InSpec™	AN 100ML Concentrate					
9	InSpec™	AN Burstable Pouch 15 Wipes					
BIOCIDES	InSpec™	AN Burstable Mop – 2 Sterile Mops					
—	InSpec™	AN 900MLS Trigger Spray Non-Sterile					
	InSpec™	AN 5L Screw cap Non-Sterile					
	InSpec™	AN 100ML Concentrate Non-Sterile					
	InSpec™	QT 900MLS Sterile Trigger Spray					
	InSpec™	QT 5L Screw cap					
ίδ	InSpec™	QT 100ML Concentrate					
BIOCIDES	InSpec™	QT Burstable Pouch 15 Wipes					
õ	InSpec™	QT Burstable Mop – 2 Sterile Mops					
_ m	InSpec™	QT 900MLS Trigger Spray Non-Sterile					
	InSpec™	QT 5L Screw cap Non-Sterile					
	InSpec™	QT 100ML Concentrate Non-Sterile					

				crobio	iene zo logical cordin	contro		
	Description		Α	В	С	D	Е	
	InSpec™	QT+ 1L Sterile Trigger Spray						
BIOCIDES	InSpec™	QT+ 5L Screw cap						
	InSpec™	QT+ 102ML Concentrate						
	InSpec™	QT+ Burstable Pouch 15 Wipes						
BIO	InSpec™	QT+ 1L Trigger Spray Non-Sterile						
	InSpec™	QT+ 5L Screw cap Non-Sterile						
	InSpec™	QT+ 102ML Concentrate Non-Sterile						
	InSpec™	OX 1L Sterile Trigger Spray						
s	InSpec™	OX 5L Screw cap						
BIOCIDES SPORICIDAL ACTIVITY	InSpec™	OX Burstable Pouch 15 Wipes						
ORIGINAL CONTRACT	InSpec™	OX Burstable Mop – 2 Sterile Mops						
SP SP	InSpec™	OX 1L Trigger Spray Non-Sterile						
	InSpec™	OX 5L Screw cap Non-Sterile						
	InSpec™	HA 1L Sterile Trigger Spray						
v	InSpec™	HA 5L Screw cap						
BIOCIDES SPORICIDAL ACTIVITY	InSpec™	HA Burstable Pouch 15 Wipes						
ORIGINAL TO THE PROPERTY OF TH	InSpec™	HA Burstable Mop – 2 Sterile Mops						,
SP. A	InSpec™	HA 1L Trigger Spray Non-Sterile						(
	InSpec™	HA 5L Screw cap Non-Sterile						
	InSpec™	N7 1L Sterile Trigger Spray						
Z	InSpec™	N7 5L Screw cap						
10	InSpec™	N7 100 ML Concentrate						
E	InSpec™	N7 Pouch 15 Wipes / 50 Wipes						
MANUAL CLEANING AND DISINFECTION	InSpec™	N7 1L Trigger Spray Non-Sterile						
ቯ	InSpec™	N7 5L Screw cap Non-Sterile						
ND	InSpec™	N7 100ML Concentrate Non-Sterile						
פ ז	InSpec™	N10 900MLS Sterile Trigger Spray						
	InSpec™	N10 5L Screw cap						
Ë	InSpec™	N10 100ML Concentrate						
U	InSpec™	N10 Burstable Pouch Mop – 2 Sterile Mops						
I A	InSpec™	N10 900MLS Trigger Spray Non-Sterile						
A	InSpec™	N10 5L Screw cap Non-Sterile						
Σ	InSpec™	N10 100ML Concentrate Non-Sterile						
	InSpec™	N10 1L Concentrate Non-Sterile						
ш	Sterillium	oclassic pure						
HAND HYGIENE	Sterillium	® Gel pure						
ΙΥG	Baktolin®	pure						
D	Baktolan®	protect* pure						
AN	Baktolan®	lotion pure						
I	InSpec™ N	NS HG Gel						

Hand hygiene





Cleaning, disinfection, protection and care

It is not only surfaces or products that need to be cleaned and disinfected. The same applies to hands. However, it is important here not to skimp on protection and care. We have listed a few products for you as examples. All of them are free of dyes and perfumes and therefore have a particularly good skin tolerance.

All components of the hand hygiene system have not only been evaluated individually, but also some of them, selected at random, have been scientifically tested for their mutual compatibility:

For example, the Bactolan® protection and care products do not affect the Sterillium® disinfectant products, even when used just before hand disinfection. This complete programme helps to keep your hands healthy for a long time.

Cleaning: Baktolin® pure

Hand washing lotion, colourless and fragrance-free, and therefore especially suitable for sensitive skin. Alkali- and soap-free.

Disinfection: Sterillium® classic pure

Also available as gel!

The classic hand disinfectant as a dye- and perfume-free version.

Efficacy spectrum: bactericidal, yeasticidal, mycobactericidal, limited virucidal, adeno-, polyoma- and rotavirus. Note: VAH listed (Association for Applied Hygiene, Bonn).

Protection: Baktolan® protect+ pure

Protective emulsion against aqueous solutions and regenerating care combined in one product. Free of perfume, dye and silicone.

Care: Baktolan® lotion pure

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Moisturizing and guickly absorbent hand care for sensitive skin. Fragrance-free.



Description	sterile	Content	PU	Manufacturer code	Art. No.
Sterillium [®] classic pure Hand disinfectant	no	100 ml 500 ml 1 L 5 L	45 bottles 20 bottles 10 bottles 1 canister	9803890 9803900 9803910 9803920	808400100-01 808400100-02 808400100-03 808400100
Sterillium® Gel pure Hand disinfectant	no	100 ml 475 ml 1 L	45 bottles 20 bottles 10 bottles	9814510 9814520 9814530	808400101-01 808400101-02 808400101
Baktolin [®] pure Washing lotion	no	500 ml 1 L 5 L	20 bottles 10 bottles 1 canister	9813281 9813291 981330	808400302 808400301 808400300
Baktolan® protect+ pure Skin protection	no	100 ml 350 ml	25 tubes 20 bottles	9811371 9811822	808400201 808400201
Baktolan® lotion pure Hand care	no	350 ml	20 bottles	9802533	808400205





You will find appropriate dispensers in chapter 11!