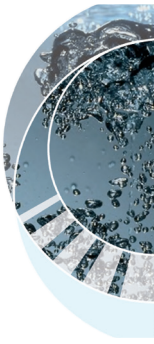


Materials Compatibility List

Chemicals for processing endoscopes
and endoscopic instruments





Preface

Hygiene is a fundamental component of the entire health care process and, therefore, requires a high degree of professional competence and responsibility. The goal must be to provide suitable procedures for cleaning, disinfection, and sterilization that can be implemented in the daily routine and that take all valid standards and regulations for each individual instrument into consideration.

The focus is on:

- Legal and regulatory requirements for reprocessing medical products
- The safety of patients, users and third parties
- Lowering the status of contamination to unavoidable residual risks

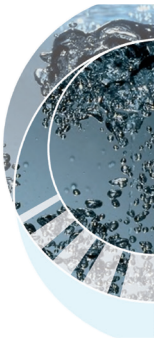
The KARL STORZ material compatibility list is your guide for the reprocessing of rigid and flexible endoscopes as well as endoscopic instruments and provides the best possible value preservation of your investments. The chemicals listed here have been tested and approved by KARL STORZ with regard to material compatibility.

A differentiation is made between manual cleaning and disinfection/ultrasonic cleaning and machine cleaning and disinfection for which various chemical agents are used. Material compatibility approval is based on tests on various processing chemicals. Therefore, any possible chemical cross-reactions due to insufficient neutralization/rinsing between process steps or incorrect dosage/exposure time can not be ruled out. This particularly applies to subsequent low-temperature sterilization as this process also uses chemical agents.

To ensure efficacious reprocessing conforming to legal and statutory requirements, please observe user manuals for each specific product and the detailed user manual “Cleaning, Disinfection, Care and Sterilization of KARL STORZ Instruments”.

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1. Manual cleaning and disinfection / ultrasonic cleaning



The substances listed here have been approved and tested by KARL STORZ with regard to material compatibility. This list is not a statement concerning the microbiological effectiveness of the products.

The following KARL STORZ instruments are **not suitable** for **ultrasonic cleaning**:

- Rigid telescopes
- Flexible and semiflexible fiberscopes
- Other instruments with optical components made of glass, with chips, or with electronic components

1.1 General warnings



Warning:

During all cleaning and disinfection procedures on contaminated instruments, please observe the occupational safety guidelines of the employers' liability insurance association (Berufsgenossenschaft) or equivalent organization.



Warning:

Gigasept FF from the chemical manufacturer Schülke & Mayr GmbH at a concentration of 8% and a contact time of 60 minutes is not approved for fiberscopes.



Warning:

In the case of flexible endoscopes, first vent and then remove the leakage tester so that the pressure compensation valve closes again.



Warning:

In the case of flexible endoscopes, the pressure compensation cap must be removed from the vent connection during liquid immersion / chemical disinfection.



Caution:

Please follow the instructions "Cleaning, Disinfection, Care and Sterilization of KARL STORZ Instruments." These provide a detailed description of cleaning, disinfection, and sterilization procedures.



Caution:

To minimize stress on materials, avoid repeated switching between processing procedures.



Caution:

Damage to materials: Cleaning the outer sheath of flexible fiberscopes with ammonium chlorides will damage the material, particularly at the hose nozzle.



Caution:

Cleaning all of the materials with alcohol-based cleaning agents can lead to damage to the products as well as contamination becoming fixed to the surface of the products.



Caution:

Please note that when preparing and using the solutions, **the chemical manufacturers' instructions on concentration and contact time must be strictly followed**. Excessively long immersion or incorrect concentrations may cause damage. Please contact the chemical manufacturer regarding microbiological effectiveness.



Caution:

Using SODIUM HYDROXIDE SOLUTION may lead to surface alterations in aluminum parts (even if coated), plastics, and soldered joints, and it may reduce the service life of the instruments.



Caution:

Before placing the flexible endoscope in the solution, check leak tightness since any liquid penetration may cause damage.



Caution:

Regardless of the selected cleaning and disinfection procedure, flexible endoscopes should not be heated to temperatures **above 60 °C**.



Caution:

Endoscopes should not be cleaned in an ultrasound bath.



Caution:

The use of rinse aids is not approved for plastics. Rinse aids have a negative effect on plasticizers, which may lead to breakage.



Note:

National laws and regulations must be observed.

In the case of semi-critical medical devices that are used in a non-sterile condition, disinfectants with full virucidal efficacy should be used.



Note:

The C-MAC® video laryngoscope series (840XXX) is considered to be a video endoscope.



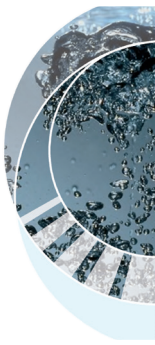
Note:

For detailed information on processing, please refer to the respective instructions for use.



Note:

Please contact the chemical manufacturer regarding the range of action of the chemical agents used.

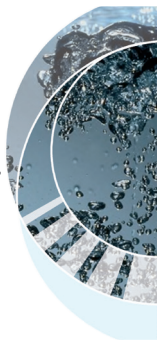


Materials Compatibility List

1.2 KARL STORZ has tested material compatibility and approved the following agents:

Manufacturer	Trade name	Cleaning agent	Disinfectant	Suitable for ultrasonic baths	Rigid telescopes and video endoscopes	Instruments	Fiberscopes	Flexible video endoscopes	Camera heads
Acto GmbH	Actosed Endo	-	✓	✓	✓	✓	-	-	-
Acto GmbH	Actosed Endo Terra	✓	✓	✓	✓	✓	✓	✓	✓
Acto GmbH	Actosed Enzym	✓	✓	✓	✓	✓	✓	✓	✓
Acto GmbH	Actosed Forte	-	✓	✓	✓	✓	✓	✓	✓
Acto GmbH	Actosed PA Powder	-	✓	-	✓	✓	✓	✓	✓
Advanced Sterilization Products (Johnson & Johnson)	Cidex® OPA	-	✓	-	✓	✓	✓	✓	✓
Advanced Sterilization Products (Johnson & Johnson)	Cidezyme®	✓	-	✓	✓	✓	✓	-	-
Advanced Sterilization Products (Johnson & Johnson)	Enzol®	✓	-	✓	✓	✓	✓	-	-
Advanced Sterilization Products (Johnson & Johnson)	Cidex® Plus	-	✓	-	✓	✓	✓	✓	✓
Akadia - Chemie	Akadent	-	✓	-	✓	✓	✓	✓	✓
Anios	ANIOSEPT ACTIV	✓	✓	-	-	✓	✓	✓	✓
Anios	Aniosyme P.L.A.	✓	✓	✓	✓	✓	✓	-	-
Anios	ANIOSYME 5 SYNERGY	✓	-	✓	-	✓	✓	✓	✓
Anios	HEXANIOS G+R	✓	-	-	-	-	-	✓	✓
Anios	ANIOXYDE 1000	-	✓	-	✓	✓	✓	✓	✓
Anios	Octanium basique	✓	✓	-	✓	✓	✓	-	-
Anios	OPASTER	-	✓	-	✓	✓	✓	✓	✓
Anios	STERANIOS 2%	-	✓	-	✓	✓	✓	-	-

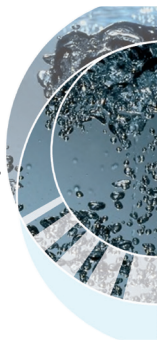
Manufacturer	Trade name	Cleaning agent	Disinfectant	Suitable for ultrasonic baths	Rigid telescopes and video endoscopes	Instruments	Fiberscopes	Flexible video endoscopes	Camera heads
Antiseptica chem. Pharm. Prod. GmbH	Descogen® I	-	✓	✓	✓	✓	✓	✓	✓
Antiseptica chem. Pharm. Prod. GmbH	Kombi Instru.-Desinfektion N	-	✓	-	✓	✓	✓	✓	✓
Antiseptica chem. Pharm. Prod. GmbH	Triacid N	✓	✓	✓	✓	✓	-	-	-
B. Braun Medical AG	Helipur® H plus N	-	✓	✓	✓	✓	✓	✓	✓
B. Braun Medical AG	Helizyme®	✓	-	✓	✓	✓	✓	✓	✓
B. Braun Medical AG	Helix® ultra	-	✓	-	✓	✓	✓	✓	✓
B. Braun Medical AG	Stabimed®	✓	✓	✓	✓	✓	✓	✓	✓
B. Braun Medical AG	Stabimed® fresh	✓	✓	✓	✓	✓	✓	-	-
Bandelin electronic GmbH	STAMMOPUR DR	✓	✓	✓	✓	✓	✓	-	-
Bandelin electronic GmbH	STAMMOPUR DR 8	✓	✓	✓	✓	✓	✓	-	-
Bandelin electronic GmbH	STAMMOPUR GR	✓	-	✓	✓	✓	✓	-	-
Bandelin electronic GmbH	STAMMOPUR R	✓	-	✓	✓	✓	✓	-	-
Bochemie a.s.	Chirosan	-	✓	-	✓	✓	✓	-	-
Bochemie a.s.	Chirosan plus	✓	✓	-	✓	✓	✓	-	-
Bochemie a.s.	Discleen enzyme	✓	-	✓	✓	✓	✓	✓	✓
Bochemie a.s.	Discleen Endo AF	-	✓	-	✓	✓	✓	-	-
Bochemie a.s.	Discleen Endo PAA	✓	✓	-	✓	✓	✓	✓	✓
Bochemie a.s.	Discleen Extra	✓	✓	-	✓	✓	✓	✓	✓
Bode Chemie GmbH	Bodedex® forte	✓	-	✓	✓	✓	✓	✓	✓



Materials Compatibility List

Manufacturer	Trade name	Cleaning agent	Disinfectant	Suitable for ultrasonic baths	Rigid telescopes and video endoscopes	Instruments	Fiberscopes	Flexible video endoscopes	Camera heads
Bode Chemie GmbH	Bomix® plus	✓	✓	✓	✓	✓	✓	✓	✓
Bode Chemie GmbH	Dismoclean® twin basic/ Dismoclean® twin zyme	✓	-	✓	✓	✓	-	-	-
Bode Chemie GmbH	Korsolex® basic	-	✓	-	✓	✓	✓	✓	✓
Bode Chemie GmbH	Korsolex® extra	-	✓	-	✓	✓	✓		✓
Bode Chemie GmbH	Korsolex® FF	-	✓	-	-	-	-	✓	✓
Bode Chemie GmbH	Korsolex® med AF	-	✓	-	✓	✓	✓	-	-
Bode Chemie GmbH	Korsolex® PAA	-	✓	-	✓	✓	✓	✓	✓
Borer Chemie AG	deconex® 50 FF	-	✓	-	✓	✓	-	-	-
Borer Chemie AG	deconex® 53 PLUS	✓	✓	✓	✓	✓	✓	✓	✓
Borer Chemie AG	deconex® 53 INSTRUMENT	✓	✓	✓	✓	✓	✓	-	-
Borer Chemie AG	deconex® 54 SPORCIDE	-	✓	-	✓	✓	✓	✓	✓
Borer Chemie AG	deconex® HLD PA /PA20	-	✓	-	✓	✓	✓	✓	✓
Borer Chemie AG	deconex® POWER ZYME	✓	-	✓	✓	✓	✓	✓	✓
Calgon Vestal Laboratories	Klenzyme	✓	-	✓	-	-	-	✓	✓
DuPont	PeraSafe	-	✓	-	✓	✓	✓	-	-
DuPont	Rely+On™ PeraSafe®	✓	✓	-	✓	✓	✓	✓	✓
Deppe, Laboratorium Dr. rer. nat.	EndoStar	-	✓	-	✓	✓	✓	✓	✓
Deppe, Laboratorium Dr. rer. nat	InstruPlus®	✓	✓	✓	✓	✓	✓	✓	✓
Deppe, Laboratorium Dr. rer. nat	InstruPlus N	-	✓	✓	✓	✓	✓	-	-

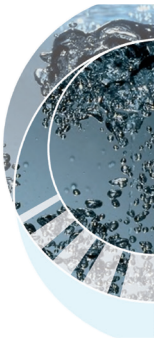
Manufacturer	Trade name	Cleaning agent	Disinfectant	Suitable for ultrasonic baths	Rigid telescopes and video endoscopes	Instruments	Fiberscopes	Flexible video endoscopes	Camera heads
Deppe, Laboratorium Dr. rer. nat	InstruStar®	✓	✓	✓	✓	✓	-	-	-
Deppe, Laboratorium Dr. rer. nat	InstruZym®	✓	-	✓	✓	✓	✓	✓	✓
DERCLEAN	DERDEVICE PLUS A2 204	-	✓	-	✓	✓	✓	-	-
DERCLEAN	Detro Plus OPA®	-	✓	-	✓	✓	✓	-	-
Detrox	Detro Forte®	-	✓	-	✓	✓	-	-	-
Detrox	Detro Plus®	-	✓	-	✓	✓	✓	-	-
Detrox	Detro Plus OPA®	-	✓	-	✓	✓	✓	-	-
Detrox	Detro OPA®	-	✓	-	✓	✓	-	-	-
Ecolab Deutschland GmbH	Sekusept™ aktiv	✓	✓	-	✓	✓	✓	✓	✓
Ecolab Deutschland GmbH	Sekusept™ Cleaner	✓	-	✓	✓	✓	-	✓	✓
Ecolab Deutschland GmbH	Sekusept™ easy	-	✓	-	✓	✓	✓	✓	✓
Ecolab Deutschland GmbH	Sekusept™ Extra N	✓	✓	✓	✓	✓	✓	-	-
Ecolab Deutschland GmbH	Sekusept™ forte	-	✓	✓	✓	✓	✓	✓	✓
Ecolab Deutschland GmbH	Sekusept™ MultiEnzyme	✓	-	✓	✓	✓	✓	✓	✓
Ecolab Deutschland GmbH	Sekusept™ PLUS	✓	✓	✓	✓	✓	✓	✓	✓
Ecolab Deutschland GmbH	Sekusept™ Pulver CLASSIC	✓	✓	-	✓	✓	✓	✓	✓
Esteer Pharma GmbH	ULTRASEPTIN® activ	✓	✓	-	✓	✓	✓	-	-
Esteer Pharma GmbH	ULTRASEPTIN® Classic	✓	✓	✓	✓	✓	✓	-	-
Esteer Pharma GmbH	ULTRADESMIT® AF	✓	✓	-	✓	✓	✓	-	-



Materials Compatibility List

Manufacturer	Trade name	Cleaning agent	Disinfectant	Suitable for ultrasonic baths	Rigid telescopes and video endoscopes	Instruments	Fiberscopes	Flexible video endoscopes	Camera heads
Esteer Pharma GmbH	ULTRASEPTIN® PAA	✓	✓	-	✓	✓	✓	✓	✓
Fresenius AG	Afid	✓	✓	-	✓	✓	✓	-	-
Fresenius AG	Afid plus	-	✓	-	✓	✓	✓	-	-
Fresenius AG	Sporizid	-	✓	-	-	-	-	✓	-
Fresenius AG	Sporizid FF	✓	✓	-	✓	✓	✓	✓	✓
Heck Dental GmbH	Ventisept M Plus Neu	✓	✓	-	✓	✓	✓	✓	✓
Helvemed	Instrument Forte	✓	✓	✓	✓	✓	✓	✓	✓
HIMED GmbH	EndoSeptol FF	-	✓	-	✓	✓	✓	-	-
HIMED GmbH	InstruCid AF	✓	✓	✓	✓	✓	-	-	-
Holifa Poska Sp. z.o.o	Polsept Holifa	✓	✓	-	✓	✓	✓	-	-
Holifa Poska Sp. z.o.o	Polsept Plus	✓	✓	-	✓	✓	✓	✓	✓
Indeba Industria E Comercio LTDA	Letahdeido	-	✓	-	✓	✓	✓	-	-
Laboratorios INIBSA	INSTRUNET F.A. CONCEN.	✓	✓	✓	✓	✓	✓	-	-
Jose Collado S.A.	Darodor® 4000 Liquido	✓	-	-	✓	✓	✓	-	-
Jose Collado S.A.	Darodor® 9000	-	✓	-	✓	✓	✓	-	-
Jose Collado S.A.	Darodor® Sinaldehyd 2000	-	✓	-	✓	✓	✓	-	-
Lonza AG	Formulierung ID 50	-	✓	-	✓	✓	✓	-	-
Lysoform Dr. Rosemann GmbH	Almyrol®	✓	✓	✓	✓	✓	✓	-	-
Lysoform Dr. Rosemann GmbH	Desoform®	✓	✓	✓	✓	✓	✓	-	-

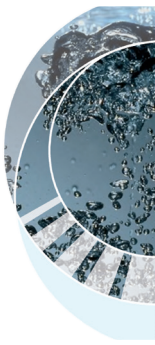
Manufacturer	Trade name	Cleaning agent	Disinfectant	Suitable for ultrasonic baths	Rigid telescopes and video endoscopes	Instruments	Fiberscopes	Flexible video endoscopes	Camera heads
Lysoform Dr. Rosemann GmbH	Lysoformin® 2000	✓	✓	✓	✓	✓	✓	-	-
Lysoform Dr. Rosemann GmbH	Lysoformin® 3000	✓	✓	-	✓	✓	✓	-	-
MediChem International	MediZyme	✓	-	✓	✓	✓	✓	-	-
MediChem International	MedDis	-	✓	✓	✓	✓	✓	-	-
MediChem International	PERASCOPE 3 DAY Sterilant	-	✓	-	✓	✓	✓	✓	✓
Medi-line	Viruton Powder	✓	✓	-	✓	✓	✓	-	-
Merz Hygiene GmbH	Mucadont-Zymaktiv	✓	-	✓	✓	✓	✓	✓	✓
Merz Hygiene GmbH	Edisonite Super	✓	-	✓	✓	✓	✓	-	-
Merz Hygiene GmbH	Mucadont-IS	-	✓	✓	✓	✓	✓	-	-
Merz Hygiene GmbH	Mucocit-T neu	✓	✓	✓	✓	✓	✓	✓	✓
METASYS Medizintechnik GmbH	ID 50	-	✓	-	✓	✓	✓	-	-
METASYS Medizintechnik GmbH	Green & Clean ID	✓	✓	✓	✓	✓	-	-	-
Metrex Research Corporation	Coldspor	-	✓	-	-	-	-	✓	✓
Metrex Research Corporation	EmPower™	✓	-	-	-	-	-	✓	✓
Metrex Research Corporation	MetriCide™	-	✓	-	-	-	-	✓	✓
Metrex Research Corporation	MetriZyme™	✓	-	-	-	-	-	✓	✓
Metrex Research Corporation	MetriCide™ OPA Plus Solution	-	✓	-	✓	✓	✓	✓	✓
Miltex, Inc.	EZ - Zyme	✓	-	-	-	-	-	✓	✓



Materials Compatibility List

Manufacturer	Trade name	Cleaning agent	Disinfectant	Suitable for ultrasonic baths	Rigid telescopes and video endoscopes	Instruments	Fiberscopes	Flexible video endoscopes	Camera heads
Minntech International	Adaspor®	-	✓	-	✓	✓	✓	-	-
Mir Dezinfektsii	MIROXIDE® -2000	-	✓	-	✓	✓	✓	-	-
Necmkimya	BIORAD GDA 2%	-	✓	-	✓	✓	-	-	-
Necmkimya	BIORAD Rayd Guanide	✓	✓	✓	✓	✓	-	-	-
Nova-Praxis-Hygiene	NOVA Biguades AF	✓	✓	✓	✓	✓	✓	-	-
PRISMAN GmbH	POW(D)ER Konz. IDP 700	✓	✓	-	✓	✓	✓	✓	✓
PRISMAN GmbH	IDP-ic 70 POWDER	✓	✓	-	✓	✓	✓	✓	✓
Profarma	Ajatin® Extra Strong	-	✓	-	✓	✓	✓	✓	✓
Promagent AB	Wavacide	-	✓	-	✓	✓	✓	✓	✓
Rheosol Wachendorff-Chemie GmbH	RHEOSEPT-ID plus+	✓	✓	✓	✓	✓	✓	✓	✓
Rheosol Wachendorff-Chemie GmbH	RHEOSEPT-ID aktiv Granulat	✓	✓	✓	✓	✓	✓	✓	✓
The Ruhof Corporation	Endozime®	✓	-	-	-	-	-	✓	✓
Schumacher, Dr. GmbH	DESCOTON extra	✓	✓	-	✓	✓	✓	✓	✓
Schumacher, Dr. GmbH	DESCOTON forte	-	✓	-	✓	✓	✓	✓	✓
Schumacher, Dr. GmbH	DESCOTON 2% GDA	-	✓	-	✓	✓	✓	✓	✓
Schumacher, Dr. GmbH	INSTRU PLUS flüssig	✓	-	✓	-	-	-	✓	✓
Schumacher, Dr. GmbH	MULTIZYME FORTE	✓	-	✓	✓	✓	✓	✓	✓
Schumacher, Dr. GmbH	PERFEKTAN® ENDO	✓	✓	✓	✓	✓	✓	✓	✓
Schumacher, Dr. GmbH	PERFEKTAN® NEU	✓	✓	✓	✓	✓	✓	✓	✓

Manufacturer	Trade name	Cleaning agent	Disinfectant	Suitable for ultrasonic baths	Rigid telescopes and video endoscopes	Instruments	Fiberscopes	Flexible video endoscopes	Camera heads
Schumacher, Dr. GmbH	PERFEKTAN® TB	✓	✓	✓	✓	✓	-	-	-
Schumacher, Dr. GmbH	PLURAZYME	✓	-	✓	✓	✓	✓	✓	✓
Schülke & Mayr GmbH	gigasept AF® forte	✓	✓	-	✓	✓	✓	✓	✓
Schülke & Mayr GmbH	gigasept FF® (neu)	-	✓	-	✓	✓	✓	-	-
Schülke & Mayr GmbH	gigasept® instru AF	✓	✓	✓	✓	✓	-	-	-
Schülke & Mayr GmbH	gigasept® med forte	✓	✓	✓	✓	✓	✓	✓	✓
Schülke & Mayr GmbH	gigasept® PAA concentrate	-	✓	-	✓	✓	✓	✓	✓
Schülke & Mayr GmbH	gigazyme®	✓	-	✓	✓	✓	✓	✓	✓
Schülke & Mayr GmbH	Lysetol® V	-	✓	-	✓	✓	✓	-	-
Schülke & Mayr GmbH	mikrozid®PAA	-	✓	-	✓	✓	✓	✓	✓
Sirmaxo Chemicals Pvt. Ltd.	Sanizyme	✓	-	-	✓	✓	✓	✓	✓
Sirmaxo Chemicals Pvt. Ltd.	Sanidex OPA	-	✓	-	✓	✓	✓	-	-
Sirmaxo Chemicals Pvt. Ltd.	Saniscope	-	-	-	✓	✓	✓	✓	✓
Steril-4 s.r.l.	STERIL-C	-	✓	-	✓	✓	✓	-	-
STERIS Corporation	EnzyCare 2	✓	-	✓	✓	✓	✓	-	-
STERIS Corporation	Resert™ HLD XL	-	✓	-	✓	✓	✓	✓	✓
STERIS Corporation	HAMO 100® (HPID)*	✓	-	✓	✓	✓	-	-	-
Tristel Solutions Ltd.	Tristel Wipes System	✓	✓	-	✓	-	✓	✓	✓
Wavi Energie System INC.	Wavicide-01	-	✓	-	-	-	-	✓	✓



Materials Compatibility List

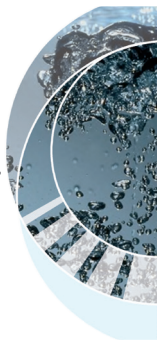
Manufacturer	Trade name	Cleaning agent	Disinfectant	Suitable for ultrasonic baths	Rigid telescopes and video endoscopes	Instruments	Fiberscopes	Flexible video endoscopes	Camera heads
Weigert, Dr. GmbH & Co.	neodisher endo® CLEAN	✓	-	✓	✓	✓	✓	✓	✓
Weigert, Dr. GmbH & Co.	neodisher® Septo 3000	-	✓	✓	-	-	-	✓	✓
Weigert, Dr. GmbH & Co.	neodisher endo® DIS active	✓	✓	✓	✓	✓	✓	✓	✓
Weigert, Dr. GmbH & Co.	neodisher® LM 2	✓	-	✓	✓	✓	✓	✓	✓
Weigert, Dr. GmbH & Co.	neodisher® Septo MED	✓	✓	✓	✓	✓	✓	✓	✓
Weigert, Dr. GmbH & Co.	neodisher® MediClean	✓	-	✓	✓	✓	✓	✓	✓
Weigert, Dr. GmbH & Co.	neodisher® MediClean forte	✓	-	✓	✓	✓	✓	✓	✓
Weigert, Dr. GmbH & Co.	neodisher® MediZym	✓	-	✓	✓	✓	✓	✓	✓
Weigert, Dr. GmbH & Co.	neodisher® Septo Active	-	✓	✓	✓	✓	-	-	-
Weigert, Dr. GmbH & Co.	neodisher® SeptoClean*	✓	✓	✓	✓	✓	-	-	-
Weigert, Dr. GmbH & Co.	neodisher® Septo PreClean	✓	✓	✓	✓	✓	✓	✓	✓
Whiteley Industries Pty. Ltd.	Aidal® Plus	-	✓	-	✓	✓	✓	-	-
Whiteley Industries Pty. Ltd.	Matrix®	✓	-	-	✓	✓	✓	✓	✓
Whiteley Industries Pty. Ltd.	Aidal® Plus	-	✓	-	✓	✓	✓	-	-
Whiteley Industries Pty. Ltd.	Matrix®	✓	-	-	✓	✓	✓	✓	✓
Weigert, Dr. GmbH & Co.	neodisher® Septo Active	-	✓	✓	✓	✓	-	-	-
Weigert, Dr. GmbH & Co.*	neodisher® SeptoClean*	✓	✓	✓	✓	✓	-	-	-
Weigert, Dr. GmbH & Co.	neodisher® Septo PreClean	✓	✓	✓	✓	✓	✓	✓	✓
Whiteley Industries Pty. Ltd.	Aidal® Plus	-	✓	-	✓	✓	✓	-	-
Whiteley Industries Pty. Ltd.	Matrix®	✓	-	-	✓	✓	✓	✓	✓

Manufacturer	Trade name	Cleaning agent	Disinfectant	Suitable for ultrasonic baths	Rigid telescopes and video endoscopes	Instruments	Fiberscopes	Flexible video endoscopes	Camera heads
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- ✓ Suitable chemical agents
- Chemicals not tested

Cleaning agents that are marked with*: These cleaning agents are proven to be effective against prions

If agents other than those listed above have been used, any arising damage is not covered by KARL STORZ.



2. Machine cleaning and disinfection

Select telescope cleaning and disinfection procedures in consultation with the manufacturers of the machine and the chemicals. Only use special processes that have been validated for this purpose. Please contact the manufacturer of the processing chemicals regarding microbiological effectiveness.

2.1 General warnings



Warning:

During all cleaning and disinfection procedures on contaminated instruments, please observe the occupational safety guidelines of the employers' liability insurance association (Berufsgenossenschaft) or equivalent organization.



Caution:

Please follow the instructions "Cleaning, Disinfection, Care and Sterilization of KARL STORZ Instruments." These provide a detailed description of cleaning, disinfection, and sterilization procedures.



Caution:

To minimize stress on materials, avoid repeated switching between processing procedures.



Caution:

Flexible endoscopes should never be steam sterilized (autoclaved).



Caution:

The pressure compensation cap must be removed from the vent connection during liquid immersion / chemical disinfection.



Caution:

Please note that when preparing and using the solutions, **the chemical manufacturers' instructions on concentration and contact time must be strictly followed.** Excessively long immersion or incorrect concentrations may cause damage. Please contact the chemical manufacturer regarding microbiological effectiveness.



Caution:

Regardless of the selected cleaning and disinfection procedure, flexible endoscopes should not be heated to temperatures **above 60 °C.**



Caution:

The use of rinse aids is not approved for plastics. Rinse aids have a negative effect on plasticizers, which may lead to breakage.



Caution:

The product thermosept RKF forte from Schülke & Mayr GmbH is not suitable for aluminum materials.



Note:

The C-MAC® video laryngoscope series (840XXX) is considered to be a video endoscope.



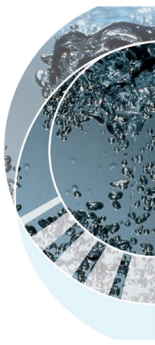
Note:

For detailed information on processing, please refer to the respective instructions for use.



Note:

Please contact the chemical manufacturer regarding the range of action of the chemical agents used.

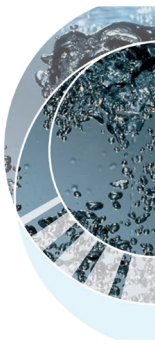


Materials Compatibility List

2.2 KARL STORZ has tested material compatibility and approved the following agents:

Manufacturer	Trade name	Cleaning agent	Disinfectant	Suitable for ultrasonic baths	Rigid telescopes and video endoscopes	Instruments	Fiberscopes	Flexible video endoscopes	Camera heads
Advanced Sterilization Products (Johnson & Johnson)	Cidex® OPA	-	✓	-	-	-	-	✓	✓
BHT Hygiene Technik GmbH	BHT Scope Cleaner	✓	-	✓	✓	✓	✓	-	-
BHT Hygiene Technik GmbH	BHT Scope Disinfectant	-	✓	✓	✓	✓	✓	-	-
Bochemie a. s.	Discleen Enzyme	✓	-	-	-	-	-	✓	✓
Bode Chemie GmbH	Dismoclean® 24 Vario	✓	-	✓	✓	✓	✓	-	-
Bode Chemie GmbH	Dismoclean® 28 Alka one	✓	-	✓	✓	✓	✓	-	-
Bode Chemie GmbH	Dismoclean® twin basic/ Dismoclean® twin zyme	✓	-	✓	✓	✓	-	-	-
Bode Chemie GmbH	Korsolex® Endo-Cleaner	✓	-	✓	✓	✓	✓	✓	✓
Bode Chemie GmbH	Korsolex® Endo-Disinfectant	-	✓	✓	✓	✓	✓	✓	✓
Borer Chemie AG	deconex® ALKAMILD	✓	-	-	✓	✓	✓	-	-
Borer Chemie AG	deconex® POWER ZYME	✓	-	✓	✓	✓	✓	✓	✓
B. Braun Medical AG	Helimatic® Cleaner alkaline	✓	-	-	✓	✓	✓	-	-
B. Braun Medical AG	Helimatic® Cleaner neutral	✓	-	-	✓	✓	-	-	-
B. Braun Medical AG	Helimatic® Cleaner enzymatic	✓	-	-	✓	✓	✓	✓	✓
B. Braun Medical AG	Helimatic® Disinfectant	-	✓	-	✓	✓	✓	✓	✓
Deppe, Laboratorium Dr. rer. nat.	Endomat Plus	-	✓	-	✓	✓	✓	✓	✓
Deppe, Laboratorium Dr. rer. nat.	Labomat E	✓	-	-	✓	✓	✓	✓	✓

Manufacturer	Trade name	Cleaning agent	Disinfectant	Suitable for ultrasonic baths	Rigid telescopes and video endoscopes	Instruments	Fiberscopes	Flexible video endoscopes	Camera heads
Deppe, Laboratorium Dr. rer. nat.	EndomatPlus viruguard	-	✓	-	✓	✓	✓	✓	✓
DiverseyLever	Sumatox E	✓	-	✓	✓	✓	✓	-	-
Ecolab Deutschland GmbH	MetalClean Plus	✓	✓	-	✓	✓	✓	-	-
Ecolab Deutschland GmbH	Sekumatic™ FD	-	✓	-	✓	✓	✓	-	-
Ecolab Deutschland GmbH	Sekumatic™ FR	✓	-	-	✓	✓	✓	-	-
Ecolab Deutschland GmbH	Sekumatic™ FRE	✓	-	-	✓	✓	✓	-	-
Ecolab Deutschland GmbH	Sekumatic™ MultiClean	✓	-	-	✓	✓	✓	-	-
IMS	Adapspor® Ready to Use	-	✓	✓	✓	✓	✓	-	-
Medisafe UK, Ltd.	3E-Zyme/HS-Zyme	✓	-	✓	✓	✓	✓	-	-
MEDIVATORS Inc.	Rapicide®	-	✓	-	✓	✓	✓	✓	✓
MEDIVATORS Inc.	Rapicide® PA	-	✓	-	✓	✓	✓	✓	✓
Merz Consumer Care GmbH	mucapur® AF	✓	-	✓	✓	✓	✓	-	-
Merz Consumer Care GmbH	mucapur® ED	-	✓	✓	✓	✓	✓	✓	✓
Merz Consumer Care GmbH	mucapur® ER	✓	-	✓	✓	✓	✓	✓	✓
Merz Consumer Care GmbH	mucapur® ED plus	-	✓	✓	✓	✓	✓	✓	✓
Merz Consumer Care GmbH	mucapur® ER Plus	✓	-	✓	✓	✓	✓	✓	✓
Ruhof Corporation	Endozime® AW	✓	-	✓	✓	✓	✓	-	-
Schumacher, Dr. GmbH	THERMOTON® CLEANER	✓	-	-	✓	✓	✓	-	-



Materials Compatibility List

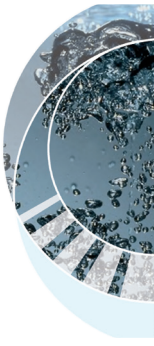
Manufacturer	Trade name	Cleaning agent	Disinfectant	Suitable for ultrasonic baths	Rigid telescopes and video endoscopes	Instruments	Fiberscopes	Flexible video endoscopes	Camera heads
Schumacher, Dr. GmbH	THERMOTON® ENDO	-	✓	✓	✓	✓	✓	✓	✓
Schumacher, Dr. GmbH	THERMOTON® NR	✓	-	-	✓	✓	✓	✓	✓
Schumacher, Dr. GmbH	THERMOTON® DESINFECTANT	-	✓	-	✓	✓	✓	✓	✓
Schülke & Mayr GmbH	thermosept® alka clean	✓	-	-	✓	✓	✓	-	-
Schülke & Mayr GmbH	thermosept® alka clean forte	✓	-	-	✓	✓	✓	-	-
Schülke & Mayr GmbH	thermosept® DK	-	✓	-	✓	✓	✓	-	-
Schülke & Mayr GmbH	thermosept® ED	-	✓	-	✓	✓	✓	✓	✓
Schülke & Mayr GmbH	thermosept® ER	✓	-	-	✓	✓	✓	✓	✓
Schülke & Mayr GmbH	thermosept® PAA	-	✓	-	✓	✓	✓	✓	✓
Schülke & Mayr GmbH	thermosept® RKF forte	✓	-	-	✓	✓	✓	-	-
Schülke & Mayr GmbH	thermosept® RKN-zym	✓	-	-	✓	✓	✓	-	-
STERIS Corporation	HAMO® 100 (PID)*	✓	-	-	✓	✓	-	-	-
STERIS Corporation	Instru-Klenz	✓	-	✓	✓	✓	✓	-	-
Weigert, Dr. GmbH & Co.	neodisher endo® CLEAN	✓	-	✓	✓	✓	✓	✓	✓
Weigert, Dr. GmbH & Co.	neodisher endo® SEPT GA	-	✓	-	✓	✓	✓	✓	✓
Weigert, Dr. GmbH & Co.	neodisher® DuoClean	✓	-	-	✓	✓	-	-	-
Weigert, Dr. GmbH & Co.	neodisher® FA	✓	-	-	✓	✓	-	-	-
Weigert, Dr. GmbH & Co.	neodisher® OXIVARIO	✓	-	-	✓	✓	-	-	-
Weigert, Dr. GmbH & Co.	neodisher® MediClean	✓	-	✓	✓	✓	✓	✓	✓

Manufacturer	Trade name	Cleaning agent	Disinfectant	Suitable for ultrasonic baths	Rigid telescopes and video endoscopes	Instruments	Fiberscopes	Flexible video endoscopes	Camera heads
Weigert, Dr. GmbH & Co.	neodisher® MediClean forte	✓	-	✓	✓	✓	✓	✓	✓
Weigert, Dr. GmbH & Co.	neodisher® MediZym	✓	-	✓	✓	✓	✓	✓	✓
Weigert, Dr. GmbH & Co.	neodisher® SeptoClean*	✓	✓	✓	✓	✓	✓	-	-
Weigert, Dr. GmbH & Co.	neodisher® Septo DN	-	✓	-	✓	✓	✓	✓	✓
Weigert, Dr. GmbH & Co.	neodisher endo® SEPT PAC	-	✓	-	-	-	✓	✓	✓

- ✓ Suitable chemical agents
- Chemicals not tested

Cleaning agents that are marked with*: These cleaning agents are proven to be effective against prions These cleaning agents are proven to be effective against prions

If agents other than those listed above have been used, any arising damage is not covered by KARL STORZ.



Materials Compatibility List

3. Notes



STORZ
KARL STORZ — ENDOSKOPE

THE DIAMOND STANDARD

KARL STORZ SE & Co. KG
Dr.-Karl-Storz-Straße 34, 78532 Tuttlingen, Germany
Postbox 230, 78503 Tuttlingen, Germany
Phone: +49 (0)7461 708-0
Fax: +49 (0)7461 708-105
E-Mail: info@karlstorz.com
www.karlstorz.com