

Instrument disinfection and -cleaner

Product catalogue 2023

Effective protection for what really matters

DrDeppe – Highly effective since 1980

The disinfectant manufacturer from the Lower Rhine region



Instrument disinfection and -cleaner

Instrument disinfection and -cleaning is an important part of the reprocessing of reusable medical instruments .

The aim is to kill or inactivate pathogenic germs.

Suitable for this purpose are products that are proven to be bactericidal, yeasticidal or fungicidal, tuberculocidal or mycobactericidal and virucidal. Instrument disinfection can be done manually or mechanically.

There are two methods of instrument disinfection: manually, by the immersion disinfection process, or mechanically, by automatic cleaning machines.

As early as 1994, DrDeppe was one of the first to develop an enzymatic cleaner for instruments. We offer a wide range of high performance instrument disinfectants and instrument cleaners.

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Instru Sept AF



Product description

Instru Sept AF is an aldehyde- and phenol-free, liquid instrument disinfectant in concentrated form.

Area of application

Instru Sept AF is intended for the reprocessing of medical instruments using the immersion method. Instru Sept AF is not suitable for the final disinfection of semi-critical instruments.

Instructions for use

Instru Sept AF is available as a concentrate for preparing a working solution. The recommended application concentration is 3%. Prepare the working solution prior to use, taking into account the required concentration for the planned application. Observe the hygiene requirements for the reprocessing of medical devices (in Germany: RKI, KRINKO, MPBetreibV). Observe the instructions for preparation, cleaning and disinfection, rinsing and drying as well as storage provided by the manufacturers of the instruments and devices. Instru Sept AF contains amines. Do not combine it with aldehydic products. Thoroughly clean and rinse all instruments, accessories, tubs, processing devices and application aids when using the Product for the first time or when switching over products. For professional use only.

Exposure times

Instru Sept AF	Condition		Norm	Concentr. (%)	Exposure time (min.)
	dirty	clean			
Bactericidal	x		EN 13727 EN 14561	3	5
Yeasticidal	x		EN 13624 EN 14562		
Tuberculocidal (M. terrae)	x		EN 14348 EN 14563	1	15
Mycobactericidal (M. terrae and M. avium)	x		EN 14348 EN 14563		
Active against enveloped viruses (Modified Vaccinia Ankara)	x		EN 14476	3	15
Limited spectrum of virucidal activity (Adenovirus type 5, Murine Norovirus)	x		EN 14476	5	30

Product range and specification

Item number	Container size	Container type	Packaging unit
601491	2 L	Kanister	6 x 2 L
601492	5 L	Kanister	2 x 5 L



601491



601492

Medical device class

IIb

Composition

The active ingredients contained in 100 g are:

8,0 g Didecyldimethylammonium chloride

8,0 g Alkylamines

Chemicophysical data

Colour gelblich

Appearance klar

State flüssig

pH-value (20°C) 11,8 - 13,0

Density (20°C) 0,98 - 1,00 g/ml

Storage and shelf life

Shelf life

36 month

Shelf life after opening

12 months

Carefully reclose container after each use.

Storage environment requirements

Store the product tightly closed in a well-ventilated location and protect it against unauthorised access. Observe the following storage temperature limits.

Description	Unit	Value
Temperature limits for short-term storage (min. - max.)	[°C]	0 - 40 ¹⁾
Ambient temperature for long-term storage according to shelf life (min. - max.)	[°C]	20 - 25

¹⁾ Short term storage (max. 24 h) up to max. 40 °C has no effect on the effectiveness of the product.

Disposal

Disposal must be carried out in accordance with applicable national and local regulations. Please also note the information from the Material Safety Data Sheet.

CE 0044





Instru Star rfu



Product description

Instru Star rfu is a ready-to-use, highly effective, aldehyde-free disinfectant for disinfecting medical, surgical instruments.

Area of application

It is used for disinfecting medical, surgical instruments using the immersion method. It is also suitable for rotating dental instruments (drills). Not suitable for final disinfection of semi-critical and critical instruments.

Instructions for use

Immersion procedure:

Immerse instruments after use. All surfaces and cavities must be completely immersed and filled. Please observe the exposure times. Take out instruments, rinse them thoroughly with water (drinking water quality) and dry. Do not immerse aluminium parts. For professional use only.

Exposure times

Instru Star rfu	Condition		Norm	Exposure time
	dirty	clean		
Bactericidal	x		DGHM	15 min.
Yeasticidal				
Mycobactericidal				
Tuberculocidal	x		DVV/RKI	5 min.
Active against enveloped viruses (Vaccinia/BVDV)				

Product range and specification

Item number	Container size	Container type	Packaging unit
601490	2 L	canister	6 x 2 L
600091	5 L	canister	2 x 5 L
600071	10 L	canister	10 L



Medical device class

IIb

Composition

The active ingredients contained in 100 g are:
1,125g Cocospropylene diammonium borate

Chemicophysical data

Colour colourless
Appearance clear
State liquid
pH-value (20°C) 8 - 9,5
Density (20°C) 0,9936 - 1,0036 g/ml

Storage and shelf life

Shelf life
36 months
Shelf life after opening
12 months
 Carefully reclose container after each use.

Storage environment requirements

Store the product tightly closed in a well-ventilated location and protect it against unauthorised access. Observe the following storage temperature limits.

Description	Unit	Value
Temperature limits for short-term storage (min. - max.)	[°C]	0 - 40 ¹⁾
Ambient temperature for long-term storage according to shelf life (min. - max.)	[°C]	20 - 25

¹⁾ Short term storage (max. 24 h) up to max. 40 °C has no effect on the effectiveness of the product.

Disposal

Disposal must be carried out in accordance with applicable national and local regulations. Please also note the information from the Material Safety Data Sheet.

Instru Extra



Product description

Instru Extra is an aldehyde- and phenol-free instrument disinfectant concentrate for the reprocessing of surgical instruments, as well as thermolabile anaesthetic accessories and rigid endoscopes in the insertion procedure or in the ultrasonic bath. Also suitable for drills and rotating instruments.

Area of application

For all areas of application in which medical instruments are reprocessed using the insertion method or in ultrasonic bath. Instru Extra is not suitable for the final disinfection of critical and semi-critical instruments.

Instructions for use

Immersion procedure:

Place instruments in the immersion bath after cleaning and rinsing thoroughly. All surfaces and cavities must be completely immersed and filled. Please observe the application concentration and exposure times. Take out instruments, rinse them thoroughly with water (drinking water quality) and dry.

Ultrasound application:

The prescribed frequency range and the prescribed disinfection time must be observed. Observe the specifications of the unit manufacturer.

Product change:

Instru Extra is not compatible with disinfectants containing aldehyde. When using the product for the first time or changing it, thoroughly clean and rinse the instruments and accessories, the trays, the reprocessing equipment and the application aids. Instru Extra working solution is protein-resistant and can be used several times if necessary. In the event of soiling or visible soiling, it is recommended that the solution be renewed. For professional use only.

Exposure times

Instru Extra	Condition		Norm	Concentration/ Exposure times
	dirty	clean		
Bactericidal		x	EN 13727 EN 14561	3% 15 min.
Yeasticidal		x	EN 13624 EN 14562	
Tuberculocidal (M. terrae)		x	EN 14348 EN 14563	
Active against enveloped viruses (Vaccinia strain Elstree, BVDV)	10% FBS		DVV/RKI	
Application in ultrasonic bath				

Product range and specification

Item number	Container size	Container type	Packaging unit
601477	2 L	canister	6 x 2 L
600041	5 L	canister	2 x 5 L



Medical device class

IIb

Composition

The active ingredients contained in 100 g are:

- 5 g Alkyl dimethyl ammonium methyl sulfate
- 1 g Polyhexamethylenebiguanide hydrochloride
- 1,8 g Cocospolylenediamine guanidinium diacetate

Chemicophysical data

- Colour** colourless
- Appearance** clear
- State** liquid
- pH-value (20°C)** 9,2 - 9,6
- Density (20°C)** 0,988 - 1 g/ml

Storage and shelf life

Shelf life

36 months

Shelf life after opening

12 months

Carefully reclose container after each use.

Storage environment requirements

Store the product tightly closed in a well-ventilated location and protect it against unauthorised access. Observe the following storage temperature limits.

Description	Unit	Value
Temperature limits for short-term storage (min. - max.)	[°C]	0 - 40 ¹⁾
Ambient temperature for long-term storage according to shelf life (min. - max.)	[°C]	20 - 25

¹⁾ Short term storage (max. 24 h) up to max. 40 °C has no effect on the effectiveness of the product.

Disposal

Disposal must be carried out in accordance with applicable national and local regulations. Please also note the information from the Material Safety Data Sheet.

CE 0044



Instru Plus



Product description

Instru Plus is an instrument disinfectant in concentrated liquid form, containing aldehyde.

Area of application

For all areas in which medical instruments are re-processed and suitable for application in immersion baths. It is used as a high-level disinfectant for the final disinfection for manual reprocessing of all thermostable and thermolabile instruments such as rigid and flexible endoscopes, endoscopic auxiliary instruments and anaesthesia accessories used during the immersion process. To protect high-quality instruments, using water (drinking water quality) is recommended.

For semi-critical medical devices that are not sterilised, use aseptic, preferably sterile, water for the final rinse.

Instructions for use

The instructions for use and reprocessing of the instrument, endoscope, endoscope accessory and device manufacturers must be observed, in particular the information on the preparatory measures for cleaning and disinfection, rinsing, drying and storage. Instru Plus is not compatible with aldehyde-free disinfectants. During initial use and product change, the instruments, accessories, trays and equipment as well as the application aids must be thoroughly cleaned and rinsed. At the end of the shelf life, the product can lose colour intensity. For professional use only.

Exposure times

Instru Plus	Condition		Norm	Concentr.	Exposure time (min.)
	dirty	low			
Bactericidal	x		EN 13727 EN 14561	3 %	5
Yeasticidal	x		EN 13624 EN 14562	2 %	15
Fungicidal (A. brasiliensis)	x		EN 13624 EN 14562	4 %	30
Tuberculocidal (M. terrae)		x	EN 14348 EN 14563	4 % 3 %	30 60
Mycobactericidal (M. terrae, M. avium)		x	EN 14348 EN 14563	5 % 3 %	30 60
Active against enveloped viruses (Vaccinia Strain Elstree, BVDV)	10% FBS		DVV / RKI	1 %	5
Virucidal (Adenovirus type 5, Murine Norovirus, Poliovirus type 1, Polyoma SV40)	10% FBS		DVV / RKI	4 %	15

Product range and specification

Item number	Container size	Container type	Packaging unit
601397	2 L	canister	6 x 2 L
601327	5 L	canister	2 x 5 L



601397



601327

Medical device class

IIb

Composition

The active ingredients contained in 100 g are:

15 g (Ethylenedioxy)dimethanol

4,8 g Glutaral

0,996 g Formaldehyde

Chemicophysical data

Colour green

Appearance clear

State liquid

pH-value (20°C) 3,4 - 4,0

Density (20°C) 1,0416 - 1,0516 g/ml

Storage and shelf life

Shelf life

36 months

Shelf life after opening

12 months

Carefully reclose container after each use.

Storage environment requirements

Store the product tightly closed in a well-ventilated location and protect it against unauthorised access. Observe the following storage temperature limits.

Description	Unit	Value
Temperature limits for short-term storage (min. - max.)	[°C]	0 - 40 ¹⁾
Ambient temperature for long-term storage according to shelf life (min. - max.)	[°C]	20 - 25

¹⁾ Short term storage (max. 24 h) up to max. 40 °C has no effect on the effectiveness of the product.

Disposal

Disposal must be carried out in accordance with applicable national and local regulations. Please also note the information from the Material Safety Data Sheet.

CE 0044



Endo Star Neu



Product description

Endo Star Neu is an aldehyde- and phenol-free instrument disinfectant concentrate for the reprocessing of surgical instruments, as well as thermolabile anaesthetic accessories and rigid endoscopes in the insertion procedure or in the ultrasonic bath. Also suitable for drills and rotating instruments.

Area of application

For all areas of application in which medical instruments are reprocessed using the insertion method or in ultrasonic bath. Endo Star Neu is not suitable for the final disinfection of critical and semi-critical instruments.

Instructions for use

Immersion procedure:

Immerse instruments after use. All surfaces and cavities must be completely immersed and filled. Please observe the application concentration and exposure times. Take out instruments, rinse them thoroughly with water (drinking water quality) and dry.

Ultrasound application:

The prescribed frequency range and the prescribed disinfection time must be observed. Observe the specifications of the unit manufacturer.

Product change:

Endo Star Neu is not compatible with disinfectants containing aldehyde. When using the product for the first time or changing it, thoroughly clean and rinse the instruments and accessories, the trays, the reprocessing equipment and the application aids. Endo Star Neu working solution is protein-resistant and can be used several times if necessary. In the event of soiling or visible soiling, it is recommended that the solution be renewed. For professional use only.

Exposure times

Endo Star Neu	Condition		Norm	Concentration/ Exposure times
	dirty	clean		
Bactericidal		x	EN 13727 EN 14561	3% 15 min.
Yeasticidal		x	EN 13624 EN 14562	
Tuberculocidal (M. terrae)		x	EN 14348 EN 14563	
Active against enveloped viruses (Vaccinia strain Elstree, BVDV)	10% FBS		DVV/RKI	
Application in ultrasonic bath				

Product range and specification

Item number	Container size	Container type	Packaging unit
601486	2 L	canister	6 x 2 L
600080	5 L	canister	2 x 5 L



601486



600080

Medical device class

IIb

Composition

The active ingredients contained in 100 g are:

- 5 g Alkyl dimethyl ammonium methyl sulfate
- 1 g Polyhexamethylenebiguanide hydrochloride
- 1,8 g Cocospolylenediamine guanidinium diacetate

Chemicophysical data

- Colour** colourless
- Appearance** clear
- State** liquid
- pH-value (20°C)** 9,2 - 9,6
- Density (20°C)** 0,988 - 1 g/ml

Storage and shelf life

Shelf life

36 months

Shelf life after opening

12 months

Carefully reclose container after each use.

Storage environment requirements

Store the product tightly closed in a well-ventilated location and protect it against unauthorised access. Observe the following storage temperature limits.

Description	Unit	Value
Temperature limits for short-term storage (min. - max.)	[°C]	0 - 40 ¹⁾
Ambient temperature for long-term storage according to shelf life (min. - max.)	[°C]	20 - 25

¹⁾ Short term storage (max. 24 h) up to max. 40 °C has no effect on the effectiveness of the product.

Disposal

Disposal must be carried out in accordance with applicable national and local regulations. Please also note the information from the Material Safety Data Sheet.

CE 0044





Instru Suc



Product description

Instru Suc is a universal, economical, low-foaming and aldehyde-free concentrate for the disinfection of extraction systems.

Area of application

Instru Suc is used for the disinfection of suction systems with and without amalgam separators.

Instructions for use

At least once a day (end of working day), dilute 20 ml Instru Suc with 980 ml water per suction site and suck through the tubes to be disinfected. Preferably, warm water up to max. 40° C can also be used. Do not mix Instru Suc with other cleaning agents or disinfectants. It is recommended to flush the suction systems with water (drinking water quality) before using Instru Suc. For professional use only.

Exposure times

Instru Suc	Condition		Norm	Concentration/ Exposure time
	dirty	clean		
Bactericidal	x		EN 13727/VAH	2% 15 min.
Yeasticidal	x		EN 13624/VAH	
Active against enveloped viruses (Vaccinia, BVDV)		10% FBS	DVV/RKI	

Product range and specification

Item number	Container size	Container type	Packaging unit
601489	2 L	canister	6 x 2 L
600047	5 L	canister	2 x 5 L



601489



600047

Medical device class

IIb

Composition

The active ingredients contained in 100 g are:

7,5 g Dioctyldimethylammonium chloride

Chemicophysical data

Colour colourless

Appearance clear

State liquid

pH-value (20°C) 7 - 8,5

Density (20°C) 0,985 - 0,9951 g/ml

Storage and shelf life

Shelf life

36 months

Shelf life after opening

12 months

Carefully reclose container after each use.

Storage environment requirements

Store the product tightly closed in a well-ventilated location and protect it against unauthorised access. Observe the following storage temperature limits.

Description	Unit	Value
Temperature limits for short-term storage (min. - max.)	[°C]	0 - 40 ¹⁾
Ambient temperature for long-term storage according to shelf life (min. - max.)	[°C]	20 - 25

¹⁾ Short term storage (max. 24 h) up to max. 40 °C has no effect on the effectiveness of the product.

Disposal

Disposal must be carried out in accordance with applicable national and local regulations. Please also note the information from the Material Safety Data Sheet.



Instru Zym



Product description

Instru Zym is an enzymatic, low-foaming and gentle instrument cleaner in concentrated form.

Area of application

It is used for cleaning surgical and orthopaedic instruments, rigid/ flexible endoscopes and endoscopic auxiliary instruments.

Instructions for use

Prepare a diluted solution either manually or on the device side by automatic dosing systems. As dilution medium tap water (drinking water quality) or fully or partially demineralised water can be used. This working solution is used for the instruments to be cleaned. Applicable at water temperatures of 15-35C. Highly active enzymes decompose and suspend organic contaminants such as protein, blood, secretions, detritus, tissue residues and lipids.
For professional use only.

Application concentration

Depending on the degree of soiling and the type of application, the cleaning agent is used at 0,5 to 5%.

Product range and specification

Item number	Container size	Container type	Packaging unit
600002	1 L	bottle	10 x 1 L
601488	2 L	canister	6 x 2 L
600001	5 L	canister	2 x 5 L



Medical device class

I

Composition

Protease, amylase, lipase, cellulase, non-ionic surfactants, preservatives, fragrances, purified water

Chemicophysical data

Colour slightly yellowish
Appearance clear
State liquid
pH-value (20°C) 5,5 - 6,5
Density (20°C) 1,015 - 1,026 g/ml

Storage and shelf life

Shelf life

24 months

Shelf life after opening

12 months

Carefully reclose container after each use.

Storage environment requirements

Store the product tightly closed in a well-ventilated location and protect it against unauthorised access. Observe the following storage temperature limits.

Description	Unit	Value
Temperature limits for short-term storage (min. - max.)	[°C]	0 - 40 ¹⁾
Ambient temperature for long-term storage according to shelf life (min. - max.)	[°C]	20 - 25

¹⁾ Short term storage (max. 24 h) up to max. 40 °C has no effect on the effectiveness of the product.

Disposal

Disposal must be carried out in accordance with applicable national and local regulations. Please also note the information from the Material Safety Data Sheet.



Labomat MA



Product description

Labomat MA is a ready-to-use, mild alkaline and gentle instrument cleaner with corrosion protection in liquid form.

Area of application

It is used for cleaning thermolabile and thermostable anaesthetic instruments and surgical instruments.

Instructions for use

Dosing takes place automatically via the dosing pump of the cleaning- and disinfection device. A temperature of 35-40°C is recommended for the inlet water. Temperatures significantly below 35°C can cause foaming. For the final rinsing, water (drinking water quality) is recommended. The manufacturer's instructions for installation and maintenance must be observed. For professional use only.

Application concentration

3 ml/ 1 L

Product range and specification

Item number	Container size	Container type	Packaging unit
600037	5 L	canister	3 x 5 L



600037

Medical device class

no medical device

Composition

- 5-15% complexing agent
- <5% polycarboxylate
- <5% anionic surfactants
- <5% non-ionic surfactants
- solubilizer
- purified water

Chemicophysical data

Colour colourless
Appearance clear
State liquid
pH-value (20°C) 9,7 - 10,5
Density (20°C) 1,0541 - 1,0681 g/ml

Storage and shelf life

Shelf life

36 months

Shelf life after opening

12 months

Carefully reclose container after each use.

Storage environment requirements

Store the product tightly closed in a well-ventilated location and protect it against unauthorised access. Observe the following storage temperature limits.

Description	Unit	Value
Temperature limits for short-term storage (min. - max.)	[°C]	0 - 40 ¹⁾
Ambient temperature for long-term storage according to shelf life (min. - max.)	[°C]	20 - 25

¹⁾ Short term storage (max. 24 h) up to max. 40 °C has no effect on the effectiveness of the product.

Disposal

Disposal must be carried out in accordance with applicable national and local regulations. Please also note the information from the Material Safety Data Sheet.

Labomat SPM



Product description

Labomat SPM is an enzymatic, low-foaming and economical instrument cleaner with high material compatibility, in concentrated form.

Area of application

Labomat SPM is used for automated instrument reprocessing of surgical instruments and anaesthetic accessories.

Instructions for use

Dosing takes place automatically via the dosing pump of the instrument dishwasher.

A temperature of 35-40°C is recommended for the inlet water. Temperatures significantly below 35°C can cause foaming. For the final rinsing, water (drinking water quality) is recommended.

The manufacturer's instructions for installation and maintenance must be observed. The parameters for the program sequence and the dosing settings must be adhered. Ion exchangers must be regenerated in a timely manner. For professional use only.

Application concentration

0,2 - 1%

Product range and specification

Item number	Container size	Container type	Packaging unit
600650	5 L	canister	3 x 5 L



Medical device class

I

Composition

- enzymes
- non-ionic surfactants
- glycols
- corrosion inhibitor

Chemicophysical data

Colour	slightly yellowish
Appearance	clear
State	liquid
pH-value (20°C)	6,6 - 7,3
Density (20°C)	1,025 - 1,036 g/ml

Storage and shelf life

Shelf life

36 months

Shelf life after opening

12 months

Carefully reclose container after each use.

Storage environment requirements

Store the product tightly closed in a well-ventilated location and protect it against unauthorised access. Observe the following storage temperature limits.

Description	Unit	Value
Temperature limits for short-term storage (min. - max.)	[°C]	0 - 40 ¹⁾
Ambient temperature for long-term storage according to shelf life (min. - max.)	[°C]	20 - 25

¹⁾ Short term storage (max. 24 h) up to max. 40 °C has no effect on the effectiveness of the product.

Disposal

Disposal must be carried out in accordance with applicable national and local regulations. Please also note the information from the Material Safety Data Sheet.



Labomat E



Product description

Labomat E is an enzymatic, low-foaming, economical and gentle instrument cleaner with corrosion protection in concentrated form.

Area of application

It is used for chemo-thermal cleaning of endoscopes and accessories in cleaning- and disinfection devices.

Instructions for use

Dosing takes place automatically via the dosing pump of the instrument dishwasher. A temperature of 35-40°C is recommended for the inlet water. Temperatures significantly below 35°C can cause foaming. For the final rinsing, water (drinking water quality) is recommended. The manufacturer's instructions for installation and maintenance must be observed. The parameters for the program sequence and the dosing settings must be adhered. Ion exchangers must be regenerated in a timely manner. The reprocessing instructions of the endoscope manufacturers must be observed. For professional use only.

Application concentration

0,5%

Product range and specification

Item number	Container size	Container type	Packaging unit
600020	5 L	canister	3 x 5 L



Medical device class

I

Composition

- enzymes
- non-ionic surfactants
- glycols
- corrosion inhibitor

Chemicophysical data

Colour slightly yellowish
Appearance clear
State liquid
pH-value (20°C) 6,6 - 7,3
Density (20°C) 1,025 - 1,036 g/ml

Storage and shelf life

Shelf life

36 months

Shelf life after opening

12 months

Carefully reclose container after each use.

Storage environment requirements

Store the product tightly closed in a well-ventilated location and protect it against unauthorised access. Observe the following storage temperature limits.

Description	Unit	Value
Temperature limits for short-term storage (min. - max.)	[°C]	0 - 40 ¹⁾
Ambient temperature for long-term storage according to shelf life (min. - max.)	[°C]	20 - 25

¹⁾ Short term storage (max. 24 h) up to max. 40 °C has no effect on the effectiveness of the product.

Disposal

Disposal must be carried out in accordance with applicable national and local regulations. Please also note the information from the Material Safety Data Sheet.



Labomat KS



Product description

Labomat KS is a ready-to-use, phosphate- and surfactant-free rinse agent for disinfection dishwashers. It is gentle on materials and produces a glossy effect.

Area of application

It is used for the gentle neutralisation of alkaline substances on medical instruments and laboratory equipment after fully automated cleaning and disinfection.

Instructions for use

Dosing takes place automatically via the dosing pump located in the device.

Setting of the dosing pump: 0.1-0.5%.

Please follow the instructions of the relevant device manufacturer.

Do not mix with other products. When changing the product, flush the dosing system including the suction tubes with water (drinking water quality). Labomat KS should not be used for cleaning objects and parts made of anodised aluminium as well as chromed and nickel-plated parts. For professional use only.

Product range and specification

Item number	Container size	Container type	Packaging unit
600021	5 L	canister	3 x 5 L



600021

Medical device class

Detergent, no medical device

Composition

- citric acid

Chemicophysical data

Colour colourless
Appearance clear
State liquid
pH-value (20°C) 1 - 2,3
Density (20°C) 1,1129 - 1,1249 g/ml

Storage and shelf life

Shelf life

36 months

Shelf life after opening

12 months

Carefully reclose container after each use.

Storage environment requirements

Store the product tightly closed in a well-ventilated location and protect it against unauthorised access. Observe the following storage temperature limits.

Description	Unit	Value
Temperature limits for short-term storage (min. - max.)	[°C]	0 - 40 ¹⁾
Ambient temperature for long-term storage according to shelf life (min. - max.)	[°C]	20 - 25

¹⁾ Short term storage (max. 24 h) up to max. 40 °C has no effect on the effectiveness of the product.

Disposal

Disposal must be carried out in accordance with applicable national and local regulations. Please also note the information from the Material Safety Data Sheet.

Preparing of a working solution



Endo Star Neu



Instru Sept AF



Instru Extra



Instru Plus



Instru Suc



Instru Zym

The product is available as a concentrate for preparing a working solution.

Before use, the working solution is prepared taking into account the required concentration for the intended application.

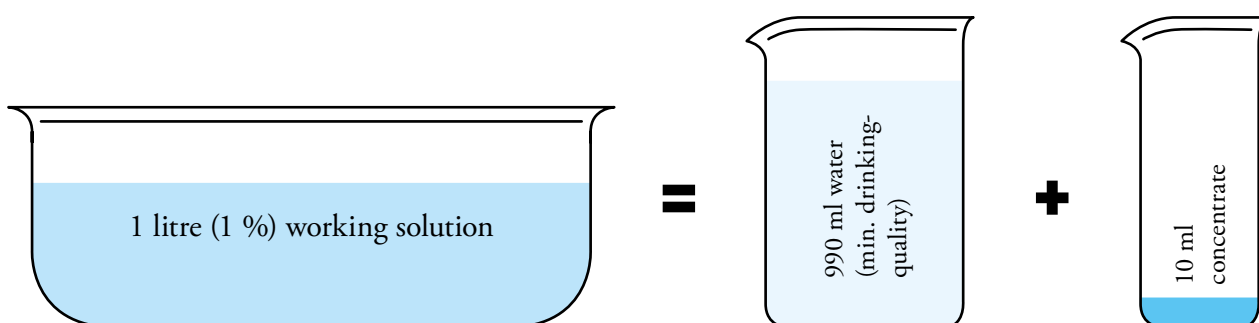
- 1.** Personal protective equipment: Wear chemical-resistant protective gloves, protective clothing, respiratory protection and tight-fitting safety goggles.
- 2.** Mix the concentrate to be used with water (drinking water quality) into a working solution (see table below). Application example: To manufacture 1 litres of a 1% working solution, mix 990 ml of water with 10 ml of concentrate.

Dosing table

for preparing a working solution

Total amount of working solution	Concentration								
	0,25 %	0,5 %	1,0 %	1,5 %	2,0 %	2,5 %	3,0 %	4,0 %	5,0 %
	Quantity of concentrate								
1 litre	2,5 ml	5 ml	10 ml	15 ml	20 ml	25 ml	30 ml	40 ml	50 ml
2 litres	5 ml	10 ml	20 ml	30 ml	40 ml	50 ml	60 ml	80 ml	100 ml
3 litres	7,5 ml	15 ml	30 ml	45 ml	60 ml	75 ml	90 ml	120 ml	150 ml
4 litres	10 ml	20 ml	40 ml	60 ml	80 ml	100 ml	120 ml	160 ml	200 ml
5 litres	12,5 ml	25 ml	50 ml	75 ml	100 ml	125 ml	150 ml	200 ml	250 ml
6 litres	15 ml	30 ml	60 ml	90 ml	120 ml	150 ml	180 ml	240 ml	300 ml
7 litres	17,5 ml	35 ml	70 ml	105 ml	140 ml	175 ml	210 ml	280 ml	350 ml
8 litres	20 ml	40 ml	80 ml	120 ml	160 ml	200 ml	240 ml	320 ml	400 ml
9 litres	22,5 ml	45 ml	90 ml	135 ml	180 ml	225 ml	270 ml	360 ml	450 ml
10 litres	25 ml	50 ml	100 ml	150 ml	200 ml	250 ml	300 ml	400 ml	500 ml

Appilcation example:



Please refer to the label or product information of the relevant product for the required concentration and exposure time. We recommend changing the disinfectant solution daily.



Disposal of disinfectants

General indications:

In general, large residual quantities or unopened containers of disinfectants must be disposed of properly. Disposal should be carried out by an appropriate disposal company. For this purpose, the respective product safety data sheet must be made available to the disposal company concerned.

Residual amounts of disinfection concentrates:

Small quantities, such as residues from used containers, can be added to the regular waste water after thoroughly diluting with cold tap water in a ratio of 1:20.

When handling undiluted disinfectants, always observe the warning and safety instructions on the product label or in the product information and take protective measures if necessary.

Residual quantities of working solutions from the daily demand:

Residues of prepared ready-to-use solutions can be added under running water to the regular waste water.

Residual quantities of ready-to-use disinfectants: residues and small quantities of ready-to-use disinfectants can be added under running water to the regular waste water.

When handling undiluted disinfectants, always observe the warning and safety instructions on the product label or in the product information and take protective measures if necessary.

Legend, definition and efficacy



Instrument disinfection and -cleaner



Disinfectant is listed at **Verband für Angewandte Hygiene e.V.**
(www.vah-online.de)









Disinfectant is listed at **Industrieverband Hygiene und Oberflächenschutz für industrielle und institutionelle Anwendung e. V.** (www.desinfektionsmittelliste.de)






Activity spectrum	Efficacy against	Test organisms/ test viruses
bactericidal	bacteria	i.a. <i>S. aureus</i> , <i>P. aeruginosa</i> , <i>E. coli</i> , <i>E. hirae</i>
yeasticidal	yeast-like fungi	<i>Candida albicans</i>
fungicidal	all fungi and spores	<i>Candida albicans</i> , spores of <i>Aspergillus brasiliensis</i>
tuberculocidal	<i>Mycobacterium tuberculosis</i>	<i>Mycobacterium terrae</i>
mycobactericidal	all mycobacteria	<i>Mycobacterium terrae</i> and <i>Mycobacterium avium</i>
active against enveloped viruses	enveloped viruses (i.a. SARS-CoV-2, influenza viruses, hepatitis C viruses)	Vacciniavirus Elstree, Modified Vaccinia-virus Ankara (MVA), Bovine Viral Diarrhea Virus (BVDV)
limited spectrum of virucidal activity	enveloped and non-enveloped viruses Adeno-, Noro- and Rotaviruses	Adenovirus, Murine Norovirus (MNV)
virucidal	enveloped and non-enveloped viruses (i.a. Polioviruses, Human Papillomaviruses, Polyomaviruses)	Adenovirus, Murine Norovirus, Poliovirus, Murines Parvovirus (for chemo-thermal disinfection), SV 40

Product overview

Instrument disinfection

Item	Item code	Container size	Container type	Packaging unit	Pharmacy product number (PZN) / single item
Instru Sept AF 	601492	5 L	canister	2 x 5 L	18313320
	601491	2 L	canister	6 x 2 L	18313337
Instru Star rfu 	600071	10 L	canister	1 x 10 L	18313343
	600091	5 L	canister	2 x 5 L	18313366
	601490	2 L	canister	6 x 2 L	18313372
Instru Extra 	600041	5 L	canister	2 x 5 L	18313248
	601477	2 L	canister	6 x 2 L	18313254
Instru Plus 	601327	5 L	canister	2 x 5 L	18313283
	601397	2 L	canister	6 x 2 L	18313308
Endo Star Neu 	600080	5 L	canister	2 x 5 L	18313225
	601486	2 L	canister	6 x 2 L	18313231
Instru Suc 	600047	5 L	canister	2 x 5 L	18313395
	601489	2 L	canister	6 x 2 L	18313389

Instrument cleaner

Item	Item code	Container size	Container type	Packaging unit	Pharmacy product number (PZN) / single item
Instru Zym 	600001	5 L	canister	1 x 5 L	18313426
	601488	2 L	canister	6 x 2 L	18313449
	600002	1 L	bottle	10 x 1 L	18313432
Labomat MA 	600037	5 L	flat canister	3 x 5 L	18312415
Labomat SPM 	600650	5 L	flat canister	3 x 5 L	18313478
Labomat E 	600020	5 L	flat canister	3 x 5 L	18313461
Labomat KS 	600021	5 L	flat canister	3 x 5 L	18312421

Laboratorium Dr. Deppe GmbH – General Terms and Conditions of Sale and Delivery

I. General

The following General Terms and Conditions of Sale and Delivery become the contents of contracts which we (the seller) conclude with entrepreneurs within the meaning of Section 14 of the German Civil Code [Bürgerliches Gesetzbuch, BGB] (customers). These General Terms and Conditions also apply to all future business relations with the customer even if they have not been expressly agreed a second time. We expressly rebut any General Terms and Conditions of our customers.

II. Effective date of a contract, adjustment of the scope of delivery, and cancellation

1. A contract becomes effective once the customer has received our confirmation of order in text form. Our offers are to be understood as a request to the customer to submit its own offer, which we accept with the confirmation of order.
2. In the case of doubt, the contents of the contract are based on the confirmation of order.
3. Confirmed prices are in principle binding, unless we reserve the right in the confirmation of order to adjust the prices.
4. We reserve the right to exceed or fall short of the quantity of the lot to be delivered to you by 10%. You will pay for the quantity that is actually delivered. We may exercise this right if we ourselves are supplied with excess quantities or short shipments by the sub-supplier despite a purchase order adjusted for your order.
5. We offer cancellation of a contract in exceptional cases and only against a cancellation fee, which we base on the costs incurred by us up to the processing of the customer's cancellation request. The customer has no legal claim to an offer of cancellation. We will only notify the customer of the cancellation offer in writing. The cancellation shall only become effective upon receipt of the cancellation fee within the payment period specified to the customer in the notification, provided that, in said notification, we do not offer the option of written acceptance of the offer and a payment period beyond this.

III. Delivery

1. Delivery dates or delivery periods are binding only

if we confirm them in writing. Any delivery times stated are approximate.

2. Subject to any other individual agreement, we shall deliver the properly packed goods (obligation to perform at the place of despatch). We always deliver EXW, Incoterms 2010, unless we confirm a different procedure.
3. The timing of despatch ex works is decisive for compliance with delivery periods and dates. If the goods cannot be despatched in a timely manner through no fault on our part, we are deemed to have satisfied our obligations by notifying the customer that the goods are ready for despatch.
4. Delivery periods commence from the date of our confirmation of order. Delivery periods and delivery dates are postponed or extended until our customer has performed its own required contribution for the execution of the order (e.g. obtaining all official certificates, providing guarantees and letters of credit, making advance payments, printing and product approval certificates, delivery of primary or intermediate products/packing).
5. In the case of delay, the customer may withdraw from the contract upon expiry of a reasonable period of at least two weeks – set by us – if the goods have not been despatched by expiry of the period. Further claims, especially claims for damages, are precluded.
6. Delivery obligations may be deferred or suspended completely in the following cases; we shall definitely inform the customer immediately of any delay and, if the delivery obligation is suspended or ceases, payments received shall be refunded immediately.
 - a. Our delivery obligation is subject to correct and timely delivery on the part of our suppliers, unless we are at fault for the wrong or delayed delivery. Part-deliveries are permissible insofar as the customer can reasonably be expected to accept them.
 - b. In events of force majeure, we may postpone delivery by the duration of the hindrance and a reasonable start-up time. This also applies if such events occur during an existing delay. Force majeure is deemed to include monetary, trade and other governmental measures (in particular pandemic-related measures), strikes,

lock-outs, operational disturbances for which we are not responsible (e.g. fire, shortage of raw materials or energy), transportation obstructions, delays at customs, and all other circumstances for which we are not responsible that make delivery considerably more difficult or impossible. It is irrelevant whether these circumstances occur on our premises or those of a sub-supplier. If the aforementioned events, especially a delay of more than three months in performing the contract in substantial parts, mean either party to the agreement cannot reasonably be expected to perform the contract, this party may completely or partly withdraw from the contract. This may not form the basis of any claims for damages. The seller may rely on the above-mentioned circumstances only if it notifies the customer immediately thereof.

IV. Packing

We pack the goods for despatch on pallets. The packing is not intended or suitable for delivery to the end customer or for storage of the goods.

V. Prices and payment

1. All prices exclude the applicable statutory rate of VAT.
2. In the case of master agreements or supply quotas, we reserve the right to set minimum order quantities. Failure to order the minimum quantity agreed in a single order on call and/or in a single order leads to a minimum order surcharge of 10% being added to the agreed product price.
3. Regardless of minimum order quantities, we charge a handling fee of €50.00 per shipment on orders worth less than €750.00 net (sales price of the goods excluding insurance, packing, transport and VAT).
4. If goods not destined for the territory of the Federal Republic of Germany are collected by the customer or its representative, the customer shall provide us with the export certificate (entry certificate) required for tax purposes. Otherwise the customer shall pay us an amount corresponding to the respective applicable rate of VAT for domestic supplies in addition to the invoice amount.
5. Unless individually agreed otherwise, we supply only upon full payment of the relevant invoice and all other invoices owed by the customer (customer's advance payment obligation).
6. In the case of goods supplied abroad (including to EU states), we may – regardless of the advance

payment obligation – make the supply contingent upon the customer's provision of security for payment (bank guarantee).

7. The customer may set off only those claims which are uncontested and have been finally settled.
8. Claims are due upon receipt of the invoice, no later than 14 days after delivery of the goods, unless otherwise agreed in an individual contract. It is sufficient if the customer has received the invoice by fax or by email.

VI. Warranty and notice of defects

1. On the goods we sell, we provide a warranty of one year after arrival of the goods at the customer's premises or, in the case of sales shipment, at the place of destination. The regulations on the sale of consumer goods remain unaffected by this.
2. Notice of defects shall be given immediately in writing, but no later than seven days after arrival of the goods at the place of destination. In the case of drop shipments, the period commences upon arrival of the goods at the place of destination. The customer shall, in the case of drop shipments, ensure that it is able to satisfy its obligation to inspect and report defects upon arrival of the goods at the place of destination. Defects which cannot be identified within this period, even with meticulous examination, shall be reported immediately upon discovery, and all further work or processing shall cease at once. The warranty period remains unaffected.
3. If the customer accepts the goods in the manner agreed, notice of defects ascertainable using the agreed manner is precluded.
4. In the event of a claim for defects under warranty, we will replace or rework at our own discretion. After two unsuccessful attempts at subsequent performance, the customer may withdraw from the contract or reduce the purchase price.
5. If the customer does not immediately give us, for reasons attributable to it, the opportunity to convince ourselves of the defect (e.g. by returning samples/parts of the goods) despite being requested to do so, the warranty claims lapse in respect of the defect.
6. Responsibility for the application, use and processing of the goods purchased lies exclusively with the customer. Our technical advice, whether given verbally or in writing, is provided only as non-binding information – also in relation to any property rights of third parties – and does not relieve the customer of its own obligation to examine the

products for their suitability for the processes and purposes intended. Nevertheless, any liability on the part of the seller is limited to the value of the goods supplied by us.

VII. Exclusion of liability

1. Unless otherwise stated in this agreement, including the following provisions, we are liable for breach of contractual and non-contractual obligations under the relevant statutory provisions.
2. We are liable for damages – for whatever legal reason – in the cases of intent and gross negligence. With other types of negligence, we are liable only for losses resulting from
 - a. injuries to life, limb or health,
 - b. breach of a material contractual obligation (obligation whose fulfilment is of eminent importance for the proper performance of the contract and on whose compliance the contracting party regularly relies and may rely); in this case, liability is, however, limited to the remedy of the foreseeable, typical loss.
3. The limitations of liability from subsection 2 do not apply if we fraudulently conceal a defect or give a quality guarantee for the goods. The same applies to a customer's claims under the German Product Liability Act (Produkthaftungsgesetz).
4. The customer may withdraw from, or terminate, the contract due to a breach of obligation which is not a defect only if we are responsible for the breach of obligation. A customer's free right of termination (especially under sections 651, 649 BGB) is precluded. Otherwise the statutory prerequisites and legal consequences apply.
5. In particular with reference to Article 74 of the United Nations Convention on Contracts for the International Sale of Goods, CISG, any liability for damages on the part of our company requires that it be possible to accuse the management or employees of at least slight negligence to the extent no more serious fault is the case under these General Terms and Conditions, a contract or the law.

VIII. Retention of title:

We supply exclusively subject to the following extended and expanded right to retain title:

1. Until full settlement of all the seller's current and future claims arising from a contract of sale and an ongoing business relationship (secured claims), the seller reserves the right vis-à-vis the buyer to retain title to the items sold.
2. The goods subject to retention of title (reserved

goods) may be neither pledged nor assigned as security to third parties until full settlement of the secured claims. The customer shall immediately notify the seller in writing if and to the extent third parties seize goods belonging to the seller.

3. If the customer breaches the contract, for example, by failing to pay the purchase price due, the seller may, under the statutory provisions, withdraw from the contract and/or, based on its right to retain title to the goods, demand they be handed over. This demand does not simultaneously constitute a declaration of withdrawal; instead, the seller may simply demand the handover of the goods and reserve the right to withdraw from the contract. If the customer fails to pay the purchase price, the seller may assert these rights only if the customer had previously been set a reasonable deadline for payment or such deadline is dispensable under the statutory provisions.
4. The customer may resell and/or process, combine or mix the reserved goods (entitlements). In this case, the following applies:
 - a. The retention of title to the goods extends to the products – at their full value – arising from the processing, mixing or combining of our goods, with the seller being deemed as the manufacturer. If, in the processing, mixing or combining with third-party goods, third-party ownership rights remain in existence, the seller acquires joint title in proportion to the accounting value of the processed, mixed or combined goods. Otherwise the same applies to the products arising as for the reserved goods supplied.
 - b. As security, the customer now, already, assigns to the seller in full or in the amount of any portion of joint title to the claims against the buyer's customer arising from the sale of the items, as per the foregoing subsection. The seller accepts this assignment of title. The customer's obligations stipulated in subsection 2 also apply in respect of the assigned claims.
 - c. The customer may resell, process, mix and combine, and collect the claim as long as it itself is neither overindebted under insolvency law nor insolvent, or threatening to become so. These entitlements and the right of collection definitely end if the customer fails to satisfy its payment obligations to the seller when due, the seller has therefore set the customer a deadline and the customer has not paid the claims owed within the period stipulated.
 - d. The customer shall disclose to the seller at its

request the assigned claims and the debtor thereof (third-party debtor) before delivery to the third-party debtor. At the seller's request, it shall provide all information necessary for collection, hand over the relevant documents and notify the debtors of the assigned claims.

- e. If the realizable value of the securities exceeds the seller's claims by more than 10%, the seller will, at the customer's request, release the securities at its own discretion.

IX. Place of jurisdiction, applicable law, arbitration clause

1. The place of jurisdiction is that of the registered office of the seller.
2. Exclusively German law shall apply. The only sales contracts which are based on this agreement follow the English version of United Nations Convention on Contracts for the International Sale of Goods, CISG dated 11 April 1980.

X. Final provisions

1. Should individual provisions of these Terms and Conditions be invalid or unenforceable, or become invalid or unenforceable after a contract has come into effect, the validity of the contract and the General Terms and Conditions of Sale remain unaffected. The invalid or unenforceable provision shall be replaced by a valid and enforceable provision whose effects come closest to the economic objective pursued by the contractual parties with the invalid and unenforceable provision. The foregoing provisions apply by analogy in the event of omissions.
2. Amendments and additions to the relevant contract shall be in writing.

**Laboratorium Dr. Deppe GmbH,
Kempen, 1.3.2022**

**DrDeppe**



Laboratorium Dr. Deppe GmbH
Hooghe Weg 35 · 47906 Kempen
P +49 (0) 2152 5565-0 **W** www.drdeppe.de

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 **DrDeppe**

Laboratorium Dr. Deppe GmbH
Hooghe Weg 35 · 47906 Kempen
T +49 (0) 2152 5565-0 **W** www.drdeppe.de