

**Dosing table
for free**

Instrument disinfection and intensive cleaning

STAMMOPUR DR 8

Disinfects and cleans medical instruments like MIS-instruments, endoscopic instruments, devices etc.

- very high cleaning efficiency
- high blood dissolution
- thorough removal of incrustated secretions
- concentrate
- neutral scent
- very high material compatibility, suitable for all materials
- with corrosion protection
- **solution applicable under strain for 3 days**
- active against bacteria (incl. Tb.-B., helicobacter pylori), fungi, viruses (HBV/HIV)

**DGHM-certified: 1 % - 60 minutes
CE 0124 according MDD**

main active agents: amines, propionates
mildly alkaline, pH 9.4 at 1 %

application in the ultrasonic bath
2 % - 5 minutes
1.5 % - 10 minutes / 1 % - 15 minutes

DGHM-values, agents in 100 g, expertises, labelling
see page 19

STAMMOSEPT

Disinfects and cleans general instruments and thermo-sensitive medical instruments and devices etc.

- high cleaning efficiency
- high blood dissolution
- thorough removal of incrustated secretions
- due to the **complex virucidal efficacy** also suitable for final disinfection
- powder
- very high material compatibility, suitable for all materials
- active against bacteria (incl. Tb.-B.), fungi, viruses (Polio, Adeno, Vakzinia, Papova)

**tested according DGHM-Guidelines
(12.07.1991): 5 % - 60 minutes
CE 0124 according MDD**

main active agents: active oxygen
mildly alkaline, pH 8.9 at 1 %

application in the ultrasonic bath
5 % - 15 minutes
2 % - 60 minutes

DGHM-values, agents in 100 g, expertises, labelling
see page 19

BANDELIN
Dosing Table
for the preparation of solutions ready for use

Dilution	1 %	2 %	3 %	4 %	5 %	6 %	7 %	8 %
1 liter	100 ml	200 ml	300 ml	400 ml	500 ml	600 ml	700 ml	800 ml
2 liter	200 ml	400 ml	600 ml	800 ml	1000 ml	1200 ml	1400 ml	1600 ml
3 liter	300 ml	600 ml	900 ml	1200 ml	1500 ml	1800 ml	2100 ml	2400 ml
4 liter	400 ml	800 ml	1200 ml	1600 ml	2000 ml	2400 ml	2800 ml	3200 ml
5 liter	500 ml	1000 ml	1500 ml	2000 ml	2500 ml	3000 ml	3500 ml	4000 ml
6 liter	600 ml	1200 ml	1800 ml	2400 ml	3000 ml	3600 ml	4200 ml	4800 ml
7 liter	700 ml	1400 ml	2100 ml	2800 ml	3500 ml	4200 ml	4900 ml	5600 ml
8 liter	800 ml	1600 ml	2400 ml	3200 ml	4000 ml	4800 ml	5600 ml	6400 ml

BANDELIN
Dosing Table for STAMMOSEPT-Ultrasonic Cleaners

Dilution	1 %	2 %	3 %	4 %	5 %	6 %	7 %	8 %
1 liter	100 ml	200 ml	300 ml	400 ml	500 ml	600 ml	700 ml	800 ml
2 liter	200 ml	400 ml	600 ml	800 ml	1000 ml	1200 ml	1400 ml	1600 ml
3 liter	300 ml	600 ml	900 ml	1200 ml	1500 ml	1800 ml	2100 ml	2400 ml
4 liter	400 ml	800 ml	1200 ml	1600 ml	2000 ml	2400 ml	2800 ml	3200 ml
5 liter	500 ml	1000 ml	1500 ml	2000 ml	2500 ml	3000 ml	3500 ml	4000 ml
6 liter	600 ml	1200 ml	1800 ml	2400 ml	3000 ml	3600 ml	4200 ml	4800 ml
7 liter	700 ml	1400 ml	2100 ml	2800 ml	3500 ml	4200 ml	4900 ml	5600 ml
8 liter	800 ml	1600 ml	2400 ml	3200 ml	4000 ml	4800 ml	5600 ml	6400 ml

**Please ask for
free dosing table
Also see page 18**

Wet deposit and final disinfection

STAMMOPUR DR

Disinfects and cleans instruments and devices in medicine and occupational medicine etc.

- disinfection with pre-cleaning
- due to the **complex virucidal efficacy** especially suitable for final disinfection
- concentrate
- with corrosion protection
- very high material compatibility, suitable for all materials
- active against bacteria (incl. Tb.-B.), fungi, viruses (HBV/HIV, Polio, Adeno, Vakzinia, Papova)

**tested according DGHM-Guidelines
(12.07.1991): 3 % - 60 minutes
CE 0124 according MDD**

main active agents: glutaraldehyd, quats
neutral, pH 7.0 at 1 %

application in the ultrasonic bath
5 % - 15 minutes

DGHM-values, agents in 100 g, expertises, labelling
see page 19

Intensive instrument cleaning

STAMMOPUR R

Cleans medical instruments and devices etc. after wet deposit

- very high cleaning efficiency
- high blood dissolution
- thorough removal of obstinate, incrustated residues like blood and secretions etc.
- concentrate
- pleasant odour
- with corrosion protection
- very high material compatibility, suitable for all materials
- recommended as contact liquid for basic cleaning with STAMMOPUR GR

CE according MDD

main active agents: tensides
mildly alkaline, pH 9.6 at 1 %

application in the ultrasonic bath
2 % - 3-10 minutes

Basic instrument cleaning

STAMMOPUR GR

Basic cleaning of spotted, incrustated and ugly looking medical instruments, devices in occupational safety and health and diving gears

made of stainless steel, precious metal, plastics

- Removes coloured fog, metal oxides, rust, mineral residues like lime, burned-in residues after sterilisation
- concentrate
- free from acetic and hydrochloric acid
- caution with damaged chrome-plated parts
- not for light metals, tin and zinc
- application only in plastic insert tubs (indirect sonication, contact liquid STAMMOPUR R at 50-60 °C)

CE according MDD

main active agents: phosphoric acid, tensides
acid, pH 1.9 at 1 %

application in the ultrasonic bath
5 % - 2-15 minutes

All agents are marked C € according to Medical Device Directive (except for R 33, technical product)

- applicable
- conditionally applicable
- not applicable

Medicine					Dentistry						Hygiene			
STAMMOPUR DR 8	STAMMOSEPT	STAMMOPUR DR	STAMMOPUR R	STAMMOPUR GR	STAMMOPUR DR 8	STAMMOPUR DB	STAMMOFORM D	TICKOMED 1	STAMMOPUR RD 5	STAMMOPUR AG	STAMMOPUR Z	STAMMOPUR 24	TICKOPUR R 33	STAMMOPUR DR 2

Disinfection

DGHM*-certified
DGHM*-tested, as of 12.7.1991
bactericidal (incl. Tb.-B.)
Helicobacter pylori
fungicidal
virucidal (HBV/HIV)
virucidal (Polio, Adeno, Vakzinia, Papova)

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●	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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Cleaning

Intensive cleaning
Pre-cleaning
Basic cleaning

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Characteristics

without formaldehyde
without aldehydes
without phenols
without chlorine

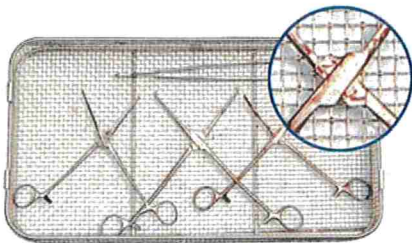
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Material compatibility

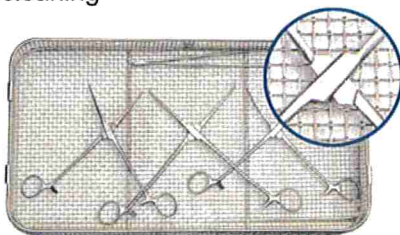
steel, stainless steel, precious metal
light metal
plastic
acrylic glass
rubber

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* = DGHM Deutsche Gesellschaft für Hygiene und Mikrobiologie (German Society for Hygiene and Microbiology)



prior to ultrasonic cleaning



after ultrasonic cleaning



Product data

Active agents and expertises

STAMMOFORM D: Active agents in 100 g: 24.0 g acetylsalicylic acid, 37.5 g sodium percarbonate, complexing agents, <5 % anionic tensides, citrates, carbonates. Expertises: Bacteria, fungi according DGHM* (12.07.1991); Prof. Dr. Hartmann, 9/93 Berlin; Viruses: (Polio, Adeno, Papova, Vakzinia); Prof. Dr. Hartmann, 9/94 Berlin.

STAMMOPUR 23: Active agents in 100 g: 6.0 g glutaraldehyde, 8.0 g didecylmethylammoniumchloride, <5 % non-ionic tensides, 2-propanole, corrosion inhibitors. Expertises: Bacteria, fungi according DGHM* (12.07.1991); Prof. Dr. Hartmann, 9/93 Berlin; Dr. Bernhard, Berlin 1/94 and 6/94; Viruses (HBV/HIV); Dr. Steinmann, Bremen 04/98; Viruses: (Polio, Adeno, Papova, Vakzinia); Prof. Dr. Hartmann, 09/92 Berlin; time reduction: Prof. Dr. Hartmann, 02/95 Berlin.

STAMMOPUR 24: Active agents in 100 g: 9.9 g Bis(3-aminopropyl)dodecylamine, 12.0 g Didecylmethylammoniumpropionate, 5-10 % non-ionic-tensides, 30-50 % solvents, complexing agents, pH-regulators, corrosion inhibitors. Expertises: Bacteria, fungi according DGHM*: Prof. Dr. Schubert, Frankfurt 06/99, Prof. Dr. Werner, Schwerin 12/98; HBV/HIV: Prof. Dr. Frösner, München 08/99; time durability: Prof. Dr. Werner, Schwerin 10/99; ultrasound time reduction: Dr. W. U. Färber, Gießen 08/02.

STAMMOPUR DB: Active agents in 100 g: 30 g 2-propanole, 0.1 g didecylmethylammoniumchloride, <0.5 g sodiumhydroxide, inhibitors, inorganic salts. Expertises: Bacteria, fungi according DGHM*: Prof. Dr. Hartmann, 06/93 Berlin; Prof. Dr. Gundermann 06/94 and 04/98 Kiel; Prof. Dr. Werner, Schwerin 02/98; Viruses (HBV/HIV): Dr. Steinmann, Bremen 03/98; ultrasound time reduction: Prof. Dr. Hartmann, 03/94 Berlin.

STAMMOPUR DR: Active agents in 100 g: 6.0 g glutaraldehyde, 8.0 g didecylmethylammoniumchloride, <5 % non-ionic tensides, 2-propanole, corrosion inhibitors. Expertises: Bacteria, fungi according DGHM* (12.07.1991); Prof. Dr. Hartmann, 09/93 Berlin; Dr. Bernhard, Berlin 01/94 and 06/94; Viruses (HBV/HIV): Dr. Steinmann, Bremen 04/98; Viruses: (Polio, Adeno, Papova, Vakzinia); Prof. Dr. Hartmann, 09/92 Berlin; ultrasound time reduction: Prof. Dr. Hartmann, 02/95 Berlin.

STAMMOPUR DR 8: Active agents in 100 g: 9.9 g Bis(3-aminopropyl)dodecylamine, 12.0 g Didecylmethylammoniumpropionate, 5-10 % non-ionic-tensides, 30-50 % solvents, complexing agents, pH-regulators, corrosion inhibitors. Expertises: Bacteria, fungi according DGHM*: Prof. Dr. Schubert, Frankfurt 06/99, Prof. Dr. Werner, Schwerin 12/98; Helicobacter pylori: Prof. Dr. Werner, Schwerin 08/00; HBV/HIV: Prof. Dr. Frösner, München 08/99; time durability: Prof. Dr. Werner, Schwerin 10/99; ultrasound time reduction: Dr. W. U. Färber, Gießen 08/02.

STAMMOSEPT: Active agents in 100 g: 24.0 g acetylsalicylic acid, 37.5 g sodium percarbonate, complexing agents, <5 % anionic tensides, citrates, carbonates. Expertises: Bacteria, fungi according DGHM*: Prof. Dr. Hartmann, 01/85 Berlin, Prof. Dr. Gundermann, Kiel 11/84; Viruses: (Polio, Adeno, Papova, Vakzinia); Prof. Dr. Hartmann, 11/84 Berlin; ultrasound time reduction: Prof. Dr. Hartmann, 10/95 Berlin.

The above mentioned expertises are available on request.

Marking according EC-Directives:



C, corrosive
R 20/22-34-42/43: STAMMOPUR DR, STAMMOPUR 23.
R 22-34: STAMMOPUR DR 8, STAMMOPUR 24.
R 22-35-41: STAMMOPUR DR 2.
R 34: STAMMOPUR Z, STAMMOPUR GR, TICKOPUR R 27, TICKOPUR R 61, TICKOPUR TR 13.
R 35: TICKOPUR R 60.



Xi, irritant
R 10-36/38: STAMMOPUR DB.
R 36/38: TICKOPUR R 32, TICKOPUR R 33, TICKOPUR R 36, TICKOPUR RW 77, TICKOPUR TR 2, TICKOPUR TR 3, TICKOPUR TR 14.
R 36/38-41: TICKOMED 1, STAMMOPUR RD 5



Xn, harmful
R 22-36/38: STAMMOFORM D, STAMMOSEPT.
R 40-52/53: TICKOPUR J 80 U.

Risk phrases

R 10: Flammable.
R 20/22: Harmful by inhalation and if swallowed.
R 22: Harmful if swallowed.
R 34: Causes burns.
R 35: Causes severe burns.
R 36/38: Irritating to eyes and skin.
R 40: Limited evidence of a carcinogenic effect.
R 41: Risk of serious damage to eyes.
R 42/43: May cause sensitisation by inhalation and skin contact.
R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

This information solely refers to the products in their state of delivery (concentrates). The watery solutions of the products in a concentration up to 5 % are not classified as hazardous products (except for STAMMOPUR DB, STAMMOPUR AG, TICKOPUR J 80 U and TICKOPUR R 60). The usual precautions with the handling of chemicals are to be observed. For detailed information please see corresponding safety data sheets.

DGHM*-values without ultrasound

STAMMOPUR DR 2: 3 % - 60 min; 4 % - 30 min; 5 % - 15 min.
STAMMOPUR DR 8: 1 % - 60 min; 2 % - 30 min; 3 % 15 min.
STAMMOPUR DB: undiluted 15 min.
STAMMOPUR DR: 3 % - 60 min; 4 % - 30 min.
STAMMOPUR 23: 3 % - 60 min; 4 % - 30 min.
STAMMOPUR 24: 1 % - 60 min; 2 % - 30 min, 3 % - 15 min.
STAMMOFORM D: 0.5 % - 60 min; 1.5 % - 15 min.
STAMMOSEPT: 3 % - 60 min (bacteria, fungi); 5 % - 60 min (Tb.-B.); 2 % - 60 min (viruses).

* = DGHM Deutsche Gesellschaft für Hygiene und Mikrobiologie (German Society for Hygiene and Microbiology)

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

Safety data sheets according EC-directives and product information available as PDF-download in the internet: www.dr-stamm.de

Disposal

The disposal of used solutions is done according to the specifications in the product information and the safety data sheet. All agents are miscible with water, produced in compliance with the German washing and cleaning agents law (WRMG), biodegradable and can be let into the sewerage without objection. Strongly acid and strongly alkaline liquids have to be neutralised before as specified in the data sheets. Disinfection and cleaning agents are classified as "waste" according to the German "disposal law" (AbfG Abfallgesetz) and cannot be taken back by the manufacturer. During the cleaning process all kinds of water polluting substances may be brought into the cleaning liquids, e.g. oil, heavy metal compounds etc. When exceeding the limit values, the cleaning solution has to be processed (removal of the pollutants) or disposed as special refuse. **In either case**, the legal regulations and the regulations of municipal sewage plants have to be observed. Information is provided by the municipal sewage plants and the environmental authorities of the region.

Empties

Bottles and jerry cans have to be emptied completely and rinsed. They can be recycled. The disposal of 200-litres-barrels can be done by local barrel trading companies. Packagings like foils and cardboards have to be disposed separately.

Storage

Products have to be stored upright, closed, dry and at room temperatures.

Shelf life

When stored properly, the products are durable for a long time. The disinfection agents have to be used according to the expiry dates on the labels.

Safety instructions

Different agents shall not be mixed among each other or with other liquids apart from water. The risk- and safety-phrases on the labels and in the safety data sheets have to be observed.

Note

The recommendations for our products are given to the best of our knowledge, without obligation and are not intended to guarantee any particular properties. We recommend doing your own tests regarding the material consistency and the process. In this respect, we do not assume any liability.

Please observe the dosing and application information for ultrasonic cleaning on the labels and in the product information.

Subject to alterations without notice.

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Do you still have questions regarding our product data? Any questions unanswered? Do not hesitate to call us. We will be glad to advise you.