

Surfaces | Special areas Instruments | Application aids



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# **GREEN&CLEAN**

#### GREEN&CLEAN WK | GREEN&CLEAN BR

GREEN&CLEAN WK - decontamination and protection against lime deposits in water-bearing lines GREEN&CLEAN BR - biofilm removal

#### **GREEN&CLEAN IK**

Disinfection of spray water and spray air channels of turbines, straight & contra-angle handpieces

Alcoholic surface disinfection for small surfaces, such as those of straight & contra-angle handpieces

**GREEN&CLEAN WD** 

#### GREEN&CLEAN M2 | GREEN&CLEAN CL N

GREEN&CLEAN M2 - cleaning, disinfection and deodorization of suction systems and amalgam separators GREEN&CLEAN CL N - cleaning of suction systems

#### **GREEN&CLEAN ID N**

Disinfecting pre-cleaning of invasive and non-invasive instruments

#### GREEN&CLEAN MB | GREEN&CLEAN AD

GREEN&CLEAN MB - spittoon bowl cleaner GREEN&CLEAN AD - impression disinfection

#### **GREEN&CLEAN SK | GREEN&CLEAN MK**

alcohol-free surface disinfection for alcohol-sensitive surfaces

#### **GREEN&CLEAN SD | GREEN&CLEAN MT**

Alcoholic surface disinfection for alcohol-insensitive surfaces

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Microorganisms are part of our daily lives. The risk of infection is usually not considered to be particularly high. In medical practices, however, the situation is different - the risk of infection is much higher here. The frequent change of patients and the nature of the work demand consistent hygiene measures. The responsibility of the physician towards his staff, the patient and himself calls for the use of highly effective cleaning and disinfecting agents.

With our GREEN&CLEAN products, METASYS offers you a comprehensive solution for all hygiene requirements and guidelines. Advanced active and conditioning agents ensure absolute safety and infection protection. Ensure optimal hygiene in all areas of the dental practice with GREEN&CLEAN!









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# **SURFACES**

### SURFACE DISINFECTION

After each treatment, surfaces that are near the patient and are contaminated by contact or aerosols, must be cleaned and disinfected. For aerosols, a dispersial radius of 2 meters must be taken into account. All surfaces farther away from the patient that have been visibly contaminated must also be disinfected immediately.

Once a working day, all other functional surfaces in the clinically used practice area must be treated with a surface disinfectant. For reasons of occupational safety, wipe disinfection is generally preferable to spray disinfection.





#### SPRAY DISINFECTION FOR LARGE SURFACES

Alcohol-free spray disinfection for alcohol-sensitive surfaces of medical devices

- > alcohol-free
- > short action time
- > ready-to-use disinfection solution
- > especially suitable for alcohol-sensitive surfaces of medical devices
- > aldehyde-, phenol- and phosphate-free
- > MD class IIa, CE 0044

#### Modern active agent combination

Quaternary ammonium compounds



Spectrum of efficacy	Standard	Test information	Action time
Bactericidal	EN 13727	low load	1 min
Levurocidal	EN 13624	low load	1 min
4-field test (bactericidal, levurocidal)	EN 16615	low load	5 min
Limited virucidal	EN 14476 EN 16777	low load	1 min

#### Order numbers GREEN&CLEAN SK

122000064	1 x spray bottle 750 ml, with foamer
122000050	6 x spray bottles 750 ml + 2 x foamer
122000051	1 x canister 5 l
121000001	Tap for canister 5 l



#### WIPE DISINFECTION FOR LARGE SURFACES

Wipes for alcohol-free wipe disinfection of alcohol-sensitive surfaces of medical devices

> extra large wipes (290 x 270 mm), for use with GREEN&CLEAN SK, for wipe disinfection of large surfaces of medical devices

#### Order numbers GREEN&CLEAN MK

122000040	$1  \mathrm{x}$ dispenser with 70 wipes + 5 x wipe rolls of 70 wipes each
	1 x GREEN&CLEAN SK canister 5 l
122000042	2 x wipe rolls, 70 wipes each
122000043	1  x dispenser with 70 wipes + 5 x wipe rolls of 70 wipes each
122000076	6 x wipe rolls, 70 wipes each



# **SURFACES**



#### SPRAY DISINFECTION FOR LARGE SURFACES

Alcohol-based spray disinfection for alcohol-insensitive surfaces of medical devices

- > short action time
- > ready-to-use disinfection solution
- > formaldehyde-free
- > MD class IIa, CE 0044

#### Modern active agent combination

Ethanol, 2-propanol, quaternary ammonium compounds, glyoxal



Spectrum of efficacy	Standard	Test information	Action time
Bactericidal	EN 13727	high load	15 s
Levurocidal	EN 13624	high load	15 s
Tuberculocidal	EN 14348	high load	1 min
4-field test (bactericidal, levurocidal)	EN 16615	high load	1 min
Limited virucidal	EN 14476 EN 16777	low load	1 min

#### Order numbers GREEN&CLEAN SD

122000047	5 x bottles 750 ml + 2 x spray heads
122000045	6 x bottles 750 ml
122000048	1 x canister 5 l
122000046	2 x bottles 750 ml + 1 xspray head
121000001	Tap for canister 5 ml



#### WIPE DISINFECTION FOR LARGE SURFACES

Alcohol-based wipe disinfection for alcohol-insensitive surfaces of medical devices

> extra large wipes (290 x 270 mm), for use with GREEN&CLEAN SD, for wipe disinfection of large surfaces of medical devices

#### Order numbers GREEN&CLEAN MT

122000044	1x dispenser with 70 wipes + 5 x wipe rolls with 70 wipes each
	1 x 5 I GREEN&CLEAN SD canister
122000042	2 x wipe rolls of 70 wipes each
122000043	1  x dispenser with 70 wipes + 5 x wipe rolls of 70 wipes each
122000076	6 x wipe rolls, 70 wipes each





#### WIPE DISINFECTION FOR SMALL SURFACES

Alcohol-based disinfection wipes made of tear-resistant fleece for disinfection of surfaces of medical devices (e.g. outer surfaces of handpieces & contra-angles)

- > short action time
- > formaldehyde-free
- > with hygienic safety seal
- > MD class IIa, CE 0044

# 

#### Modern active agent combination

Ethanol, 2-propanol, quaternary ammonium compounds, glyoxal

Spectrum of efficacy	Standard	Test information	Action time
Bactericidal	EN 13727	high load	30 s
Levurocidal	EN 13624	high load	30 s
Tuberculocidal	EN 14348	high load	30 s
4-field test (bactericidal, levurocidal)	EN 16615	high load	1 min
Limited virucidal	EN 14476 EN 16777	high load	30 s

122000052	1 x dispenser with 120 wipes
122000053	1x dispenser with 120 wipes + 3 x bags of 120 wipes each
122000055	6 x bags of 120 wipes each
121000012	GREEN&CLEAN WD dispenser, empty





#### SUCTION SYSTEM DISINFECTION

Dual, active defoaming concentrate for the daily cleaning, disinfection and deodorization of suction systems and amalgam separators

- > dual system (red / green)
- > excellent active defoaming
- > easy handling through well-designed dispenser
- > enzymatic product with excellent protein dissolving power
- > ideal for all amalgam separators and water-air separations
- > MD class IIa, CE 0044



#### Modern active agent combination

Alkylamine, quaternary ammonium compounds, enzymes

GREEN&CLEAN M2 green   Spectrum of efficacy	Standard	Test information	Action time	solution
Bactericidal	EN 13727	high load	10 min	1% solution
Levurocidal	EN 13624	high load	10 min	1% solution
Tuberculocidal	EN 14348	high load	240 min	1% solution
Germ carrier test - bactericidal	EN 14561	high load	15 min	1% solution
Germ carrier test - levurocidal	EN 14562	high load	15 min	1% solution
Limited virucidal	EN 14476	high load	60 min	1% solution

GREEN&CLEAN M2 red   Spectrum of efficacy	Standard	Test information	Action time	solution
Bactericidal	EN 13727	high load	10 min	1% solution
Levurocidal	EN 13624	high load	10 min	1% solution
Tuberculocidal	EN 14348	high load	240 min	1% solution
Germ carrier test - bactericidal	EN 14561	high load	15 min	1% solution
Germ carrier test - levurocidal	EN 14562	high load	15 min	1% solution
Limited virucidal	EN 14476	high load	60 min	1% solution



122000026	2 x bottles 500 ml (1 x red, 1 x green) + dispenser
122000027	4 x bottles 500 ml (2 x red, 2 x green)
122000028	2 x bottles 500 ml (1 x red, 1 x green)
122000031	GREEN&CLEAN M2 red, 25 x bottles 500 ml
122000030	GREEN&CLEAN M2 green, 25 x bottles 500 ml
121000009	Dispenser for GREEN&CLEAN M2

# **DISINFECTION** OF THE SUCTION SYSTEM

SIMPLY EXPLAINED!



- Rinse the suction system with cold water after every treatment!
- Change colour after 83 applications (1 bottle).
- Observe dosage and exposure time exactly!
- Mixed solution is intended for immediate use.
- Please follow the manufacturer's instructions!



Concentrate for the daily cleaning of suction systems

- > improved defoaming due to modern combination of active ingredients
- > excellent protein dissolving power due to special enzyme mixture
- > pleasant scent in the treatment rooms
- > simple dosing thanks to double-neck bottle
- > pH-neutral user solution
- > MD class I, CE

#### Modern active agent combination

Alkyl ether carboxylic acid, subtilisin

#### Order numbers

1220000042 x bottles 1000 ml121000005Mixing container for GREEN&CLEAN CL N

#### SUCTION SYSTEM CLEANING





# **CLEANING** OF THE SUCTION SYSTEM

### SIMPLY EXPLAINED!



- Allow GREEN&CLEAN CL N to work overnight and over the weekend. If necessary (e.g. in case of high soiling), we recommend an additional application at noon.
- Wear protective gloves!

- Rinse the suction system with cold water after every treatment.
- Observe dosage and exposure time exactly!
- Mixed solution is intended for immediate use.
- Please follow the manufacturer's instructions!



#### IMPRESSION DISINFECTION

Ready-to-use solution for immersion disinfection of dental prosthetics, worn denture and dental impressions

- > short action time
- > suitable for alginates, silicones, polyethers and polysulfide
- > high material compatibility
- > formaldehyde and phenol free
- > standing time: 7 days
- > MD class IIa, CE 0044

#### Modern active agent combination

Quaternary ammonium compounds, alkylamine, tensides



Active agent	Test germ	Standard	Test information	Action time
Bactericidal	S. aureus, E. hirae, P. aeruginosa	EN 13727	high load <sup>1</sup>	2 min
Levurocidal	C. albicans	EN 13624	high load <sup>1</sup>	2 min
Germ carrier test - bactericidal	S. aureus, E. hirae, P. aeruginosa	EN 14561	high load <sup>1</sup>	5 min
Germ carrier test - levurocidal	C. albicans	EN 14562	high load <sup>1</sup>	5 min
	.,	EN 14476	low load <sup>2</sup>	15 sec
Limited virucidal	Vacciniavirus	EN 16777	low load <sup>2</sup>	1 min

<sup>1</sup> Bovine albumin 3g/l + sheep erythrocytes 3ml/l

<sup>2</sup> Bovine albumin 0.3g/l

122000001	1 x canister 5 l
121000003	Disinfection tray 1.25 I with cover and strainer
121000001	Tap for 5 l canister



# **DISINFECTION** OF IMPRESSIONS

### SIMPLY EXPLAINED!







# A

- If the denture or prosthesis is reinserted into the patient's mouth, a fresh disinfectant solution must be used!
- Perform a hygienic mouth rinse on the patient before taking the impression.
- Observe the instructions of both manufacturers (impression material and disinfectant) regarding exposure time and material compatibility.
- Use a suitable tray for impression disinfection: instrument disinfection trays often have a large capacity and therefore consume large quantities of disinfectant.
- The exposure time should not exceed 5 minutes (form stability)!
- Make a written agreement with the laboratory to avoid double disinfection.
- Wear protective gloves!
- Please observe the manufacturer's instructions!



#### SPITTOON BOWL CLEANING

Spittoon bowl cleaner based on citric acid and enzymes, with integrated brush

> excellent protein dissolving power due to enzymatic ingredients

- > with special defoamer
- > MD class I, CE

#### Modern active agent combination

Quaternary ammonium compounds, tensides, enzymes

122000035	Dispenser bottle 180 ml, with brush
122000032	2 x bottles 500 ml + 2 empty dispenser bottles + 2 brushes
122000033	4 x bottles 500 ml + 4 brushes
122000034	4 x bottles 500 ml
122000037	4 x spare brushes
122000036	Dispenser bottle with brush, empty





### **CLEANING** OF THE SPITTOON BOWL

### SIMPLY EXPLAINED!



- Use GREEN&CLEAN MB undiluted!
- Disinfect the brush head regularly in an ultrasonic or instrument bath (do not autoclave!)
- Replace the brush heads regularly!
- Wear personal protective equipment during use!
- Please follow the manufacturer's instructions!



#### WATER DECONTAMINATION

2% solution based on hydrogen peroxide for decontamination and protection against lime deposits in the water-bearing lines in a treatment unit

- > wide spectrum of action
- > also suitable for bottle systems
- > prevention of lime deposits
- > MD class IIa, CE 0044

#### Active agent

Hydrogen peroxide

#### GREEN&CLEAN WK test strips

- > Test strips for the visual inspection of the functionality and effectiveness of the water decontamination device
- > the color scale on the test strip indicates the concentration of GREEN&CLEAN WK in the process water

#### dosing aid for bottle systems

> suitable for GREEN&CLEAN WK 750 ml

122000057	4 x bottles 750 ml	121000016	WK test strips, 5 pcs.
122000056	6 x bottles 1000 ml	121000014	Dosing aid for bottle systems
121000015	WK test strips, 25 pcs.		(for 750 ml bottle)







# USE OF THE **DOSING AID**

### SIMPLY EXPLAINED!



- For continuous decontamination, GREEN&CLEAN WK must be added each time the bottle is refilled.
- When the contents of the GREEN&CLEAN WK bottle have been used up, remove the dosing aid from the empty bottle and attach it directly to the new bottle.
- The dosing aid is not suitable for reprocessing!
- The dosing aid must be replaced every 6 months and when heavily soiled.
- Wear protective gloves and goggles!

\* The dosing aid is only suitable for 750 ml GREEN&CLEAN WK bottles. A measuring cup must be used for 1 liter bottles.



Decontamination concentrate for the METASYS H1 Hygiene System

> for the continuous cleaning of the entire suction system

- > active defoaming
- > MD class I, CE

Modern active agent combination Quaternary ammonium compounds, special tensides, enzymes

#### Order number

122000005 4 x pouches 500 ml



4% solution based on hydrogen peroxide for the removal of biofilm from water-bearing lines of the treatment unit with the BR System or bottle systems

- > effective biofilm removal in only 30 minutes
- > recommended for the refurbishment of dental units as well as before the installation of a water disinfection system
- > simple application due to colored solution
- > MD class IIa, CE 0044

#### Active agent

Hydrogen peroxide

#### Order number

122000002 2 x bottles 1000 ml



1.41% solution based on hydrogen peroxide for disinfecting the treatment water in dental treatment units

- > suitable for Dentsply Sirona treatment units
- > broad spectrum of efficacy
- > MD class IIa, CE 0044

Active agent Hydrogen peroxide

**Order numbers** 122000059 6 x bottles 1000 ml

#### CLEANING OF THE H1 HYGIENE SYSTEM



#### **BIOFILM REMOVAL**



#### WATER DECONTAMINATION



# INSTRUMENTS



#### DISINFECTION OF STRAIGHT & CONTRA-ANGLE HANDPIECES

Ready-to-use, alcohol-based disinfectant spray for the spray water and spray air channels of turbines, straight & contra-angle handpieces

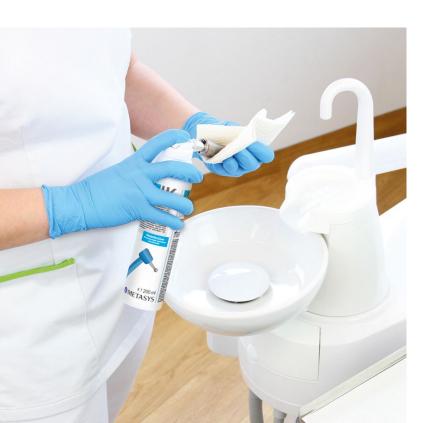
- > short action time
- > increased application safety due to fixed adapters
- > one spray can is sufficient for approx. 300 applications at approx. 2 seconds spraying time
- > one universal adapter for all straight and contra-angle couplings and own turbine couplings
- > does not replace oil spray recommended by the manufacturer!
- > MD class IIa, CE 0044

#### Modern active agent combination

1-propanol, 2-propanol, 2-butanol, quaternary ammonium compounds



Spectrum of efficacy	Standard	Test information	Action time
Bactericidal	EN 13727	high load	1 min
Levurocidal	EN 13624	high load	1 min
Levurocidal	EN 14348	high load	1 min
Germ carrier test - bactericidal	EN 14561	high load	2 min
Germ carrier test - levurocidal	EN 14562	high load	1 min
Germ carrier test - tuberculocidal	EN14563	high load	1 min
Limited virucidal	EN 14476 EN 16777	high load	30 s



#### Order numbers

2 x 200 ml spray cans incl. pre-assembled adapter:

122000017	Hand pieces & contra-angles (universal)
122000025	Turbine coupling W&H
122000021	Turbine coupling Bien Air
122000023	Turbine coupling KaVo
122000024	Turbine coupling Dentsply Sirona
122000022	Turbine coupling Castellini
122000018	Turbine coupling NSK
122000020	Handpieces & contra-angles (universal) Dentsply Sirona T1 Classic
122000019	Turbine coupling NSK Quick

# INSTRUMENTS



#### INSTRUMENT DISINFECTION

Highly effective concentrate for the disinfecting pre-cleaning of invasive and non-invasive instruments

- > 5 l concentrate yields up to 500 l working solution at 1% concentration
- > aldehyde and phenol free
- > standing time: 14 days
- > MD class IIa, CE 0044



#### Modern active agent combination

Quaternary ammonium compounds, alkylamine, corrosion inhibitors

Standard	Test information	Action time	solution
EN 13727	high load	5 min	2% solution
EN 13624	high load	5 min	1% solution
EN 14348	high load	60 min	1% solution
EN 14561	high load	15 min	1% solution
EN 14562	high load	15 min	1% solution
EN 14563	high load	60 min	0.5% solution
EN 14476	low load	15 min	0.5% solution
	EN 13727 EN 13624 EN 14348 EN 14561 EN 14562 EN 14563	EN 13727high loadEN 13624high loadEN 14348high loadEN 14561high loadEN 14562high loadEN 14563high load	EN 13727high load5 minEN 13624high load5 minEN 14348high load60 minEN 14561high load15 minEN 14562high load15 minEN 14563high load60 min



122000015	4 x bottles 500 ml + measuring beaker
122000016	1 x canister 5 l
121000007	Measuring beaker for GREEN&CLEAN ID N
121000001	Tap for canister 5 l

# **DISINFECTING PRE-CLEANING OF INSTRUMENTS**

### SIMPLY **EXPLAINED!**



- has been placed in the bath.
- Remove coarse soiling from instruments and disassemble if necessary.
- Be careful with pointed and sharp objects!
- Only prepare the solution with cold water.
- Adhere exactly to the dosage and exposure time!
- Please follow the instrument manufacturer's instructions!

# **PRODUCT OVERVIEW**

Product	Application	Properties			
Troudet		Cleaning	Disinfection	Alcoholic	Ready for use
SURFACES					
GREEN&CLEAN SK	Spray disinfection	-	-		-
GREEN&CLEAN MK	Wipe disinfection	-	•		
GREEN&CLEAN WD	Wipe disinfection	-	-	-	-
GREEN&CLEAN SD	Spray disinfection	•	•	•	-
GREEN&CLEAN MT	Wipe disinfection	-	-	-	
SPECIAL AREAS					
GREEN&CLEAN M2 green	Suction system disinfection	-	-		
GREEN&CLEAN M2 red	Suction system disinfection	-	-		
GREEN&CLEAN H1	Cleaning agent for H1 Hygiene System	-			-
GREEN&CLEAN CL N	Suction system cleaning	-			
GREEN&CLEAN MB	Spittoon bowl cleaning	-			-
GREEN&CLEAN WK	Water decontamination		•		
METASAN® P	Water decontamination		-		-
GREEN&CLEAN BR	Biofilm removal	-	-		-
GREEN&CLEAN AD	Impression disinfection	-	-		-
INSTRUMENTS					
GREEN&CLEAN IK	Disinfection of straight & contra-angle handpieces, turbines	-	-	-	-
GREEN&CLEAN ID N	Instrument disinfection	-	-		

		Tes	ted accord	ing to the fo	ollowing EN	l standards	:			Container
EN 13623	EN 13624	EN 13727	EN 14348	EN 14476	EN 14561	EN 14562	EN 14563	EN 16615	EN 16777	Available as
	•	•		•				•	•	750 ml, 5000 ml
										70 wipes
	•	•	•	•				•	•	120 wipes
	•	•	•	•				•	•	750 ml, 5000 ml
										70 wipes
	•	•	•	-	•	-				500 ml
	•	•	•	•	•	•				500 ml
										500 ml
										1000 ml
										180 ml, 500 ml
•										750 ml, 1000 ml
•										1000 ml
•										1000 ml
	•	•		-	•	•			•	5000 ml
	-	-	•	-	-	-	-		-	200 ml
	•	•	•	•	•	•	•			500 ml, 5000 ml

### **APPLICATION AIDS**





Disinfection tray 1.25 l

Order no. 121000003

#### Bur disinfection box 200 ml

Order no. 121000002

#### **META TOUCH**

Order no. 121000018

META TOUCHLESS Order no. 121000019

#### **Tap for canister 5 l** Order no. 121000001

#### **GREEN&CLEAN WK test strips**

Order no. 121000015 - WK test strips, half-year requirement, 25 pcs. Order no. 121000016 - WK test strips, 5 pcs.

#### Dosing aid for bottle systems

Order no. 121000014

#### **METASYS Medizintechnik GmbH**

**METASYS** logistics & collection GmbH

#### **METASYS** recycling & processing GmbH

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