



Medalkan
HYGIENE & DISINFECTION

The Next Generation of Medical Disinfectants



Surfaces



Instruments



Special applications



Healthcare and Dental professionals product catalog

2023



MADE IN THE E.U.

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Medalkan

HYGIENE & DISINFECTION

The Next generation of Medical Disinfectants





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Our Company



MEDALKAN is a company specialized in the manufacture of hygiene and disinfectant products. Created in 2012, it enjoys a reputation for innovation in the health sector.

MEDALKAN range of products have been designed and developed by a team of Greek and French experts. They are manufactured in Greece using the latest technologies.

Our company enjoys a strategic geographical location on the Mediterranean basin in Athens, Greece. The Port of Piraeus, the main seaport of Athens is one of the largest in Europe. It is one of the top 10 European container ports and the busiest port platform in the Mediterranean basin.

This gives us quick response to deploy large supplies into Europe and via the Suez canal, Africa, the Middle East and the Far East.

MEDALKAN satisfies the requirements of ISO 9001:2015 and ISO 13485:2016 for the design and manufacture of medical devices.

Our products bear the CE mark in accordance with the 93/42/EEC directive and with the (MDR) 2017/745 regulation for medical devices.

MEDALKAN applies Good Manufacturing Practices (GMP) which guarantees the manufacture and control of products and thus ensure quality.

MEDALKAN offers a complete range of CE marked high-quality cleaning and disinfecting products and meets the most up-to-date requirements for the control of infectious risk.

This includes specialized medical devices for the cleaning and disinfection of surfaces, instruments, endoscopes as well as other specific applications and a hand hygiene product line.

Specifically developed for healthcare professionals, our products are used in hospitals, clinics, dental offices and examination centres. Particular attention was paid to their microbiological properties, efficiency, compatibility with sensitive materials and the environment.



The European standards for medical devices

ACTIVITY SPECTRUM	STANDARD PHASE & STEP	TEST CONDITIONS	STRAINS	CONTACT TIME	LOG
BACTERICIDAL*	EN 13727 Phase 2/ Step 1	Conditions: clean / dirty	Pseudomonas aeruginosa Staphylococcus aureus Enterococcus hirae	60 Min.	5 Log
	EN 14561 Phase 2/ Step 2 (Optional)	Conditions: clean / dirty	Pseudomonas aeruginosa Staphylococcus aureus Enterococcus hirae	60 Min.	5 Log
FUNGICIDAL	EN 13624 Phase 2/ Step 1	Conditions: clean / dirty	Candida albicans (yeastocidal) Aspergillus brasiliensis (fungicidal)	60 Min.	4 Log
	EN 14562 Phase 2/ Step 2 (Optional)	Conditions: clean / dirty	Candida albicans (yeastocidal) Aspergillus brasiliensis (fungicidal)	60 Min.	4 Log
TUBERCULOCIDAL / MYCOBACTERICIDAL	EN 14348 Phase 2/ Step 1	Conditions: clean / dirty	Mycobacterium terrae (Tuberculocidal) M. terrae + M. avium (Mycobactericidal)	60 Min.	4 Log
	EN 14563 Phase 2/ Step 2 (Optional)	Conditions: clean / dirty	Mycobacterium terrae (Tuberculocidal) M. terrae + M. avium (Mycobactericidal)	60 Min.	4 Log
VIRUCIDAL ** (AGAINST ENVELOPED VIRUSES)	DVV (1)/ RKI (2)(2014) Phase 2/ Step 1 Limited Virucidal	Conditions: clean / dirty	BVDV (Bovine viral Diarrhea virus) Vaccinia virus	60 Min.	4 Log
VIRUCIDAL **	EN 14476 Phase 2/ Step 1	Conditions: clean / dirty	Poliovirus Adenovirus Norovirus	60 Min.	4 Log
SPORICIDAL	EN 14347 Phase 1	Clean conditions	Bacillus subtilis Bacillus cereus (Optional) Clostridium difficile (Optional)	60 Min.	4 Log
	EN 17126 Phase 2/ Step 1	Clean conditions	Bacillus subtilis Bacillus cereus Clostridium difficile (Optional)	60 Min.	4 Log

* Including all the antibiotic resistant strains as MRSA, Klebsiella pneumoniae, Escherichia coli, streptococcus pneumoniae, etc.

** Included viruses: HIV, BVDV, Vaccinia Virus, HBV (Hepatitis B), HCV (Hepatitis C), Influenza H1N1, H5N1, H1N8, Zika virus, Herpes simplex, Ebola, Coronavirus.

(1) DVV: Deutsche Vereinigung zur Bekämpfung der Viruskrankheiten / German Association for the Control of Virus Diseases

(2) RKI: Robert Koch Institute - German Federal Health Authority

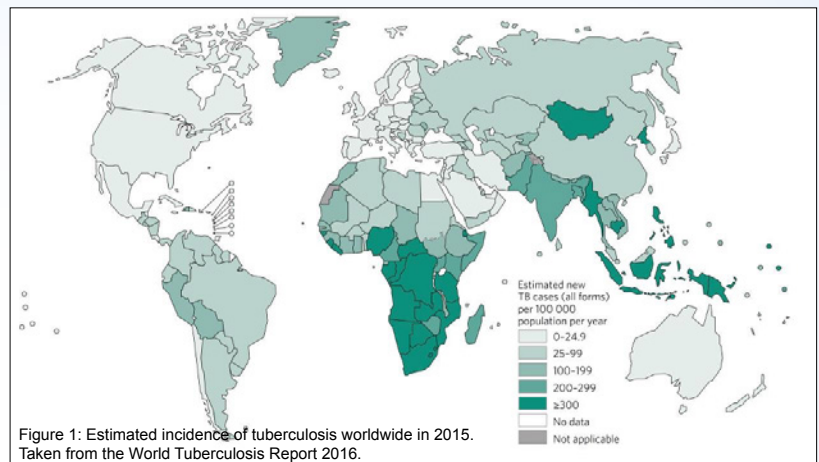
Mycobacteria - Situation and spread

World situation

According to a 2015 World Health Organization (WHO) report, tuberculosis remains one of the top 10 causes of death worldwide.

Despite tremendous efforts by the United Nations to eradicate the disease by 2030, a global epidemic of tuberculosis persists.

Another challenge that we have to face is the effect of globalization, that is, the dramatic increase in the movement of people and individuals that encompasses tourism activities, refugee diasporas and, soon, migrants climatic.



This ongoing maelstrom has multiple consequences, such as an increasing number of patients infected by nonendemic strains, the spread of multidrug-resistant (MDR) strains from health care-deficient countries, and the frightening specter of the expansion of totally drug-resistant (TDR) strains.

Globally, tuberculosis would affect between 2 and 3 billion people asymptotically.

Among these, only 5 to 15% will develop the disease during their lifetime, with an increased probability in immunocompromised patients, weakened by age or in a state of malnutrition.

In 2015, according to the World Tuberculosis Report 2016 (WHO), the main figures for the disease are as follows:

- In 2015, tuberculosis remained one of the ten leading causes of death worldwide, ahead of HIV, despite a decline in the number of new cases of 1.5% compared to 2014.
- 10.4 million new cases in 2015 for a total of 6.1 million cases notified and reported to WHO (Figure 1).
- In 2020, a total of 1.5 million people died from TB (214,000 of whom also had HIV infection). Globally, tuberculosis is the 13th leading cause of death and the second due to an infectious disease, behind COVID-19 (and before AIDS).

Spread of Mycobacteria

Unlike Tuberculosis, which spreads mainly through air and is not known to replicate outside human or animal hosts, atypical mycobacteria are classic opportunistic pathogens with a very wide distribution in biofilms and in natural and engineered environments. They are inherently more resistant to microbicides and many chemotherapeutic agents as well.

Unlike Tuberculosis, mycobacteria may survive on environmental surfaces for days to months. Water and soil are the main reservoirs for environmental mycobacteria, with the nose and mouth as well as damaged soft tissue and skin being major portals of entry.

Environmental mycobacteria in biofilms in rinse water or inside automated endoscope reprocessors themselves can contaminate semicritical medical devices, leading to iatrogenic infections, pseudo-outbreaks or misdiagnoses.

Improperly reprocessed semicritical devices such as gastroscopes and bronchoscopes can be iatrogenic means of spread.



Microbiological testing (EN 13438 tested with Mycobacterium Terrae and Mycobacterium Avium) ensures that **our complete range of disinfectants for healthcare professionals** provide the best possible safety against Mycobacterium tuberculosis as well as atypical Mycobacteria.

Hand Hygiene

Hands are a very important vector of microbial transmission. Hand hygiene can significantly reduce the risk of cross-transmission of infection in healthcare facilities if properly set up.

For this reason, an antiseptis protocol with precise consecutive actions should be scrupulously observed and applied.

Alcohol-based hand sanitizers (with at least 60% alcohol) are largely used in medical areas but are now also recommended for the general public.

Many situations in a hospital require repeated use of antimicrobial agents (e.g., before invasive procedures, when caring for immunocompromised patients, critical care areas, intensive care nurseries, etc.). These should be chosen carefully based on their active ingredients and characteristics.



MEDALKAN has developed two alcohol-based antiseptic gels, **NOSODERM GEL 70** and **NOSODERM GEL 80**. Their compositions have been prepared with a particular attention to combine efficiency and protection of the skin. Considering damaged skin is an open door to microorganisms, an effective antiseptic gel should prevent dryness by optimizing the hydration of the skin.

Standard hand rubbing procedure



Step 1
Palm to palm



Step 2
Right palm over left dorsum and left palm over right dorsum (five times)



Step 3
Palm to palm with fingers interlaced (five times)



Step 4
Back of fingers to opposing palms with fingers interlocked (five times)



Step 5
Rotational rubbing of right thumb clasped in left palm and vice versa (five times)



Step 6
Rotational rubbing, backwards and forwards with clasped fingers of right hand in left palm and vice versa (five times)

NOSODERM® GEL

Hydroalcoholic Hand Cleansing and Antiseptic Gels

Non sticky
and non greasy formulations

Leaves the skin clean,
fresh and silky



NOSODERM GEL 70 and NOSODERM GEL 80
have a neutral pH and have been dermatologically tested on
sensitive skin.

NOSODERM GEL 80 Antiseptic Hydroalcoholic Hand Gel

NOSODERM GEL 80 is an antiseptic gel with a broad antimicrobial spectrum. It contains 80% ethyl alcohol. Enriched with moisturizing active ingredients, it preserves the skin hydrolipidic film and thus allows repeated use.

It is recommended for antiseptis:

- Pre and post operative
- Before and after direct contact with a patient or his immediate environment
- After contact with blood, body fluids or contaminated surfaces
- Before an aseptic or invasive procedure (samples, injections, venous passages, dressings, etc.)

Composition

Alcohol denat, Aqua (Water), Propanediol, Glycerin, Acrylates/C10-30 Alkyl acrylate cross polymer, Myristyl alcohol, Panthenol.

NOSODERM GEL 80 is a biocide.

Use biocidal products with caution.

Before use, read the label and the product information.

NOSODERM GEL 70 Hydroalcoholic Hand Cleansing Gel

NOSODERM GEL 70 is a hand cleansing gel with a mild antiseptic action. It contains 70% ethyl alcohol. Its moisturizing composition prevents skin dryness and provides a pleasant feeling of freshness and cleanliness.

Properties

- Contains 70% (v/v) of Ethanol
- Dermatologically tested on sensitive skins
- Neutral pH
- Protects the integrity of the hydrolipidic film and limits moisture loss
- Leaves the skin clean, fresh and silky

Disinfecting properties

ACTIVITY SPECTRUM	STANDARD	STRAINS	CONTACT TIME
BACTERICIDAL*	EN 13727	Pseudomonas aeruginosa Staphylococcus aureus Escherichia coli Enterococcus hirae	15 sec.
FONGICIDAL	EN 13624	Candida Albicans	15 sec.
VIRUCIDAL**	EN 14476	Adenovirus, Norovirus Polyovirus	30 sec. 60 sec.
TUBERCULOCIDAL	EN 14348	Mycobacterium Terrae (Surrogate. M. tuberculosis)	30 sec.
MYCOBACTERICIDAL	EN 14348	Mycobacterium Terrae Mycobacterium Avium	30 sec.
HYGIENIC HANDRUB - Efficacy test carried out under real conditions	EN 1500 (Phase 2 / Step 2)	Escherichia coli	30 sec.
SURGICAL HAND DISINFECTION - Efficacy test carried out under real conditions	EN 12791 (Phase 2 / Step 2)	Resident microbial flora	2 x 60 sec.

* Including all antibiotic resistant bacteria such as MRSA, Escherichia coli, Klebsiella pneumoniae, Streptococcus pneumoniae, etc.)

** Including enveloped viruses such as BVDV, Vaccinia, HBV, HIV, HCV, Ebola, Herpes, Influenza H1N1, H5N1, Coronavirus

NOSODERM GEL 80 - Packaging

- 500 ml. bottle with pump (Ref. 20053)
- 1 litre bottle with flip top cap (Ref. 20055)
- 5 litre canister (Ref. 20054)

NOSODERM GEL 70 - Packaging

- 80 ml. bottle with flip top cap (Ref. 20044)
- 500 ml. bottle with pump (Ref. 20040)
- 1 litre bottle with flip top cap (Ref. 20041)
- 5 litre canister (Ref. 20045)

Optional dispensers (available for both gels)

- Dosing pump for 1 litre bottle (Ref. 20046)
- 500 ml. touchless dispenser for desk or wall (Ref. 20047)
- Elbow dispenser with lock and wall mount (Ref. 20048)

Composition

Alcohol denat, Aqua (Water), Propanediol, Glycerin, Acrylates/C10-30 Alkyl acrylate cross polymer, Myristyl alcohol, Dicaprylyl carbonate, Tetrahydroxypropyl ethylenediamine, Bisabolol, Panthenol, Dimethicone.

NOSODERM GEL 70 is registered as a cosmetic product.
C.P.N.P Registration number: 3642922.

MEDASEPT® 100

Fast acting broad spectrum surface disinfectant



MEDASEPT 100 is a fast acting, broad spectrum antimicrobial cleaning and disinfectant spray specially designed for the surfaces of medical equipment. Its repeated use between each consultation prevents the transmission of germs by cross-contamination within the medical or dental office.

It is recommended for the disinfection of surfaces (bench, examination table, dental unit, handles, spittoon, etc.) in direct contact with patients and medical personnel.

MEDASEPT 100 combines speed and excellent detergency and disinfecting efficiency. Its fresh and mild fragrance allows a pleasant use.

Properties

- Bactericidal, fungicidal, tuberculocidal, mycobactericidal
- Virucidal (HBV, HIV, HCV, Herpes, Vaccinia, BVDV, Influenza, Ebola, Coronavirus...)
- Active in 30 seconds
- Does not affect the medical equipment
- Leaves no residue after drying
- Does not contain phenols, aldehydes, chlorine or EDTA

Disinfecting properties

ACTIVITY SPECTRUM	STANDARD	STRAINS	CONTACT TIME
BACTERICIDAL* (Dirty conditions)	EN 13727	Pseudomonas aeruginosa Staphylococcus aureus Enterococcus hirae	30 sec.
FUNGICIDAL (Dirty conditions)	EN 13624	Candida Albicans Aspergillus Brasiliensis (Fungicidal)	30 sec. 5 min.
VIRUCIDAL (Dirty conditions)	DVV ⁽¹⁾ /RKI ⁽²⁾ 2014 EN 14476	BVDV, Vaccinia, HBV, HIV, HCV, Ebola, Herpes, Influenza H1N1, H5N1, Coronavirus Rotavirus	30 sec.
TUBERCULOCIDAL (Dirty conditions)	EN 14348	Mycobacterium Terrae (Surrogate M. tuberculosis)	3 min.
MYCOBACTERICIDAL (Dirty conditions)	EN 14348	Mycobacterium Terrae Mycobacterium Avium	3 min.

* Including all antibiotic resistant bacteria such as MRSA, Escherichia coli, Klebsiella pneumoniae, Streptococcus pneumoniae, etc.

(1) DVV: Deutsche Vereinigung zur Bekämpfung der Viruskrankheiten (German Association for the Control of Virus Diseases)

(2) RKI: Robert Koch Institute - German Federal Health Authority

Certifications

- CE mark according to the medical devices Directive (Directive 93/42/EEC)
- Medical device class IIa



Packaging

- One litre spray bottle (Ref. 20001)
- 5 litre canister (Ref. 20002)

Physical properties

- Appearance: Transparent solution
- Density: 0.97 g/cm³ at 20 °C
- pH: 9.0-9.6 at 20 °C
- Odour: Mild (alcohol and eucalyptus)
- Storage: 5 °C - 35 °C
- Stability: 3 Years
- Biodegradability: According to OCDE 301D

Composition

Isopropyl alcohol, didecyl-dimethyl ammonium chloride, N-(3-aminopropyl)-N dodecylpropano-1,3-diamine, excipients.

Compatibility

Due to its low alcohol content, MEDASEPT 100 is friendly to sensitive surfaces while simultaneously providing extremely rapid disinfection times.

NOSOFAST TB[®]

Foaming disinfectant spray
for medical equipment surfaces



NOSOFAST TB is a foaming disinfectant spray with a broad antimicrobial spectrum of activity. It combines excellent cleaning and disinfecting properties and ensures the protection of patients and staff.

Its alcohol-free formulation is ideal for the rapid disinfection of sensitive medical equipment surfaces, such as incubators, monitors, plexiglass, etc.

It is also suitable for all surfaces of medical equipment such as beds, stretchers, work benches and all other medical devices.

NOSOFAST TB does not leave any residue after drying, is odorless and does not affect the medical equipment.



Properties

- Leaves no residue after drying
- Does not affect the medical equipment
- Virucidal (HBV, HIV, HCV, Herpes, Vaccinia, BVDV, Influenza H1N1, H5N1, Ebola, Coronavirus...)
- Bactericidal, fungicidal, tuberculocidal, mycobactericidal
- Does not contain phenols, aldehydes, chlorine or EDTA

Disinfecting properties

ACTIVITY SPECTRUM	STANDARD	STRAINS	CONTACT TIME
BACTERICIDAL* (Dirty conditions)	EN 13727	Pseudomonas aeruginosa Staphylococcus aureus Enterococcus hirae	30 sec.
FUNGICIDAL (Dirty conditions)	EN 13624	Candida Albicans	30 sec.
VIRUCIDAL (Dirty conditions)	DVV ⁽¹⁾ /RKI ⁽²⁾ 2014	BVDV, Vaccinia, HBV, HIV, HCV, Ebola, Herpes, Influenza H1N1, H5N1, Coronavirus	2 min.
TUBERCULOCIDAL (Dirty conditions)	EN 14348	Mycobacterium Terrae (Surrogate M. tuberculosis)	15 min.
MYCOBACTERICIDAL (Dirty conditions)	EN 14348	Mycobacterium Terrae Mycobacterium Avium	15 min.

* Including all resistant bacteria such as MRSA, Escherichia coli, Klebsiella pneumoniae, Streptococcus pneumoniae, etc.

(1) DVV: Deutsche Vereinigung zur Bekämpfung der Viruskrankheiten (German Association for the Control of Virus Diseases)

(2) RKI: Robert Koch Institute - German Federal Health Authority

Certifications

- CE mark according to the medical devices Directive (Directive 93/42/EEC)
- Medical device class IIa

Packaging

- One litre bottle with spray (Ref. 20042)
- 5 litre refill canister (Ref. 20043)

Physical properties

- Appearance: Transparent solution
- Density: 0.99 g/cm³ at 20°C
- pH: 9.5-10.5 at 20°C
- Odour: Neutral
- Storage: 5°C - 35°C
- Stability: 3 years
- Biodegradability: According to OCDE 301D

Composition

N-(3-aminopropyl)-N-dodecylpropano-1,3-diamine, non ionic surfactants <5%, corrosion inhibitor, pH regulator, excipients

Compatibility

NOSOFAST TB is compatible with most materials such as stainless steel, aluminum, glass, ceramics, hard plastics, ebonite, plexiglass, etc.

NOSOFLOOR®

Highly concentrated disinfectant for medical equipment surfaces

NOSOFLOOR is a high efficacy concentrated solution for the daily cleaning and disinfection of medical device surfaces in hospitals, clinics and other health institutions. It is used for the routine disinfection in operating rooms, intensive care units, patient-near areas, etc.

NOSOFLOOR combines a broad spectrum of antimicrobial activity and a very good cleaning power.

Its tuberculocidal and mycobactericidal properties are particularly indicated for daily use in dental clinics where saliva projections are numerous and represent a high risk of contamination.

NOSOFLOOR has an excellent compatibility with most materials.

Properties

- Bactericidal, fungicidal, tuberculocidal, mycobactericidal
- Virucidal (HBV, HIV, HCV, Herpes, Vaccinia, BVDV, Influenza, Ebola, Coronavirus...)
- Excellent cleaning properties
- Very economical: from 0,25% to 1% dilution
- Does not affect the medical equipment
- Leaves no residue after drying
- Does not contain phenols, aldehydes, chlorine or EDTA

Disinfecting properties

ACTIVITY SPECTRUM	STANDARD	STRAINS	DOSAGE ml/l - (%)	CONTACT TIME
BACTERICIDAL* (Dirty conditions)	EN 13727	Pseudomonas aeruginosa Staphylococcus aureus Enterococcus hirae	2,5 ml/l - 0.25%	5 Min.
FUNGICIDAL (Dirty conditions)	EN 13624	Candida Albicans	2,5 ml/l - 0.25%	5 Min.
VIRUCIDAL (Dirty conditions)	DVV ⁽¹⁾ /RKI ⁽²⁾ 2014	BVDV, Vaccinia, HBV, HIV, HCV, Ebola, Herpes, Influenza H1N1, H5N1, Coronavirus	10 ml/l - 1%	15 Min.
			7,5 ml/l - 0.75%	30 Min.
TUBERCULOCIDAL (Dirty conditions)	EN 14348	Mycobacterium Terrae (Surrogate M. tuberculosis)	20 ml/l - 2%	15 Min.
			10 ml/l - 1%	60 Min.
MYCOBACTERICIDAL (Dirty conditions)	EN 14348	Mycobacterium Terrae Mycobacterium Avium	10 ml/l - 1%	60 Min.

* Including all antibiotic resistant bacteria such as MRSA, Escherichia coli, Klebsiella pneumoniae, Streptococcus pneumoniae, etc.

(1) DVV: Deutsche Vereinigung zur Bekämpfung der Viruskrankheiten (German Association for the Control of Virus Diseases)

(2) RKI: Robert Koch Institute - German Federal Health Authority

Certifications

- CE mark according to the medical devices Directive (Directive 93/42/EEC)
- Medical device class IIa



Packaging

- 5 litre canister (Ref. 20025)
- 20 ml dosing pump (Ref. 20023)

Physical properties

- Appearance: Transparent light pink solution
- Density: 0.99 g/cm³ at 20 °C
- pH: 12.0-12.8 at 20 °C
- pH (1%): 9.5-10.5 at 20 °C
- Odour: Natural eucalyptus essence
- Storage: 5 °C - 35 °C
- Stability: 3 Years
- Biodegradability: According to OCDE 301D

Composition

N-(3-aminopropyl)-N-dodecylpropano-1,3-diamine, didecyl-dimethyl ammonium chloride, <5% non-ionic surfactants, isopropyl alcohol, corrosion inhibitor, excipients.

Compatibility

NOSOFLOOR is compatible with most materials such as stainless steel, aluminum, glass, ceramics, hard plastics, linoleum, ebonite, etc.

Instrument cleaning & disinfection

Cleaning, disinfection and sterilization of the instrumentation require to be scrupulously observed in order to avoid cross-contamination between patients and thus reduce the infectious risk in medical and dental offices.

Medical and surgical instruments should be cleaned and decontaminated before sterilization.

A pre-disinfection procedure is highly recommended for reusable and immersible medical devices prior to sterilization. It consists of immersing soiled surgical instruments in a detergent and disinfectant solution like **MEDAPROTECT** before sterilisation.



MEDALKAN has developed a complete range of detergents and disinfectants for healthcare professionals which have been adapted to the needs of contemporary medical and dental practices.

MEDALKAN recommends the immediate use of **NOSOPROTECT 100** on soiled instruments after each session. **NOSOPROTECT 100** is a disinfecting foaming spray with a high detergency efficacy. It avoids organic residues such as blood or proteins from drying while keeping the instruments moist. It makes the reprocessing of instruments significantly safer and easier.

MEDALKAN has developed **MEDAZYM**, a concentrated tri-enzymatic detergent for the cleaning of medical, surgical instruments and endoscopes. **MEDAZYM** is able to remove the most stubborn organic residues and can be used in immersion or ultrasonic bath, prior to disinfection or sterilization. Thanks to the synergy of 3 enzymes (protease, lipase, amylase), **MEDAZYM** ensures a very powerful cleaning action. The enzymes break down the soil into tiny fragments, making it water soluble and thus easier to remove by rinsing.



For a rapid pre-disinfection, MEDALKAN has developed **MEDABUR**, ready-to-use disinfectant for burs and rotative instruments and **MEDAPROTECT**, very concentrated mycobactericidal disinfectant for all types of surgical instruments.

They both combine a very powerful detergency and a broad spectrum of antimicrobial activity to ensure permanent control of the risk of infection.

They protect materials from corrosion and discoloration and are adapted to prolonged immersion.

As they are very low foaming, they are perfectly compatible for a use in ultrasonic baths.

NOSOPROTECT 100®

Foaming disinfectant spray
for instrument pre-treatment

NOSOPROTECT 100 is a disinfecting foaming spray with a high detergency efficacy for the rapid pre-disinfection of surgical instruments immediately after use.

NOSOPROTECT 100 keeps the instruments moist, protects from corrosion and avoids organic residues deposits such as blood or proteins from drying.

It makes the reprocessing of instruments significantly safer, easier, and reduces the risk of infection between the operating room and the Central Sterile Services Department.

NOSOPROTECT 100 contains a complex of highly stabilized enzymes, surfactants, amines and corrosion inhibitors. This specific formulation has an increased efficiency while protecting sensitive materials.

It does not contain alcohol, quaternary ammonium compounds, phenols, aldehydes, chlorine, EDTA, fragrances or colorants.

Properties

- Ready-to-use sprayable foaming solution
- High efficiency cleaning and disinfection
- Keeps the instruments moisted
- Protects from corrosion and instrument discoloration
- Bactericidal, fungicidal, tuberculocidal, mycobactericidal
- Virucidal (HBV, HIV, HCV, Herpes, Vaccinia, BVDV, Influenza, Ebola, Coronavirus)
- Fully compatible even with sensitive materials

Disinfecting properties

ACTIVITY SPECTRUM	STANDARD	STRAINS	CONTACT TIME
BACTERICIDAL* (Dirty conditions)	EN 13727	Pseudomonas aeruginosa Staphylococcus aureus Enterococcus hirae	5 Min.
FUNGICIDAL (Dirty conditions)	EN 13624	Candida Albicans	5 Min.
VIRUCIDAL (Dirty conditions)	DVV ⁽¹⁾ /RKI ⁽²⁾ 2014	BVDV, Vaccinia, HBV, HIV, HCV, Ebola, Herpes, Influenza H1N1, H5N1, Coronavirus	2 Min.
TUBERCULOCIDAL (Dirty conditions)	EN 14348	Mycobacterium Terrae (Surrogate: M. tuberculosis)	15 Min.
MYCOBACTERICIDAL (Dirty conditions)	EN 14348	Mycobacterium Terrae Mycobacterium Avium	15 Min.

* Including all the antibiotic resistant strains as MRSA, Klebsiella pneumoniae, Escherichia coli, streptococcus pneumoniae, etc.

1) DVV: Deutsche Vereinigung zur Bekämpfung der Viruskrankheiten (German Association for the Control of Virus Diseases)

2) RKI: Robert Koch Institute - German Federal Health Authority



Packaging

- One litre bottle with spray (Ref. 20034)
- 5 litre refill canister (Ref. 20008)

Physical properties

- Appearance: Transparent foaming solution
- Density: 0.99 g/cm³ at 20°C
- pH: 9.5-10.5 at 20°C
- Odour: Neutral
- Storage: 5°C - 35°C
- Stability: 3 Years
- Biodegradability: According to OCDE 301D

Compatibility

NOSOPROTECT 100 is compatible with most materials such as stainless steel, aluminium, glass, ceramics, hard plastics, rubber, plexiglass, polycarbonate, ebonite, etc.

NOSOPROTECT 100 is not compatible with disinfecting preparations containing aldehydes.

Composition

Enzymes (protease, lipase, amylase), N-(3-aminopropyl)-N-dodecylpropano-1,3-diamine, non-ionic surfactants <5%, corrosion inhibitor, wetting agent, excipients.

Certifications

- CE mark according to the medical devices Directive (Directive 93/42/EEC)
- Medical device class IIb

MEDAZYM®

Tri-enzymatic detergent for surgical and medical instruments

MEDAZYM is a concentrated enzymatic detergent specially designed for the cleaning of surgical instruments and endoscopes prior to disinfection or sterilization.

Its concentrated formula combines the action of three enzymes (protease, lipase, amylase) which break down proteins, fats, starch and blood residues. The synergy of enzymes makes the removal of the most stubborn organic soils easier.

Non-irritant, MEDAZYM ensures a safe cleaning routine for the user. MEDAZYM can be used in ultrasonic baths or immersion baths.

Properties

- A combination of three enzymes for a triple cleaning action
- Effectively removes organic residues
- Very economical: 0.5 - 1% dilution
- Does not foam
- Prevents corrosion and instrument discoloration
- Neutral pH, non irritant formula
- Appropriate for heat-resistant as well as heat-sensitive instruments

Recommended dosage table

CLEANING METHOD	RECOMMENDED DOSAGE (%) *	RECOMMENDED DOSAGE (ml/l) *	WATER TEMP. (°C)	CONTACT TIME
IN IMMERSION BATH	0,5% - 1%	5 ml/l - 10 ml/l	20 - 60 °C	1 - 10 min
IN ULTRASONIC BATH	0,2% - 0,5%	2 ml/l - 5 ml/l	40 - 60 °C	1 - 5 min

* Always adjust the dosage and contact time depending on the degree of contamination and cleaning method you follow. Recommended dosages can be adjusted or exceeded according to the quality and temperature of the water and the type of washer used.

Certifications

- CE mark according to the medical devices MDR Regulation (EU) 2017/745
- Medical device class I



Packaging

- One litre bottle with dispenser (Ref. 20019)
- 5 litre canister (Ref. 20020)
- Dosing pump for 5 litre canister (Ref. 20023)

Physical properties

- Appearance: Light yellow solution
- Density: 1.02 g/cm³ at 20 °C
- pH: 7.0 - 8.0 (Neutral at 20 °C)
- pH (0.5% - 1%): 7.0 - 8.0 (Neutral at 20 °C)
- Odour: Neutral
- Storage: 5 °C - 35 °C
- Stability: 3 Years
- Biodegradability: According to OCDE 301D

Compatibility

MEDAZYM is compatible with most materials such as stainless steel, aluminum, glass, ceramics, hard plastics, ebonite, etc.

Ultrasonic bath

MEDAZYM can be used in all common types of ultrasonic baths. If the solution is heated, do not exceed 60 °C.

Composition

Protease, lipase, amylase, non ionic surfactants <5%, corrosion inhibitor, pH regulator, excipients.

MEDABUR®

Ready-to-use disinfectant
for rotary instruments and burs

MEDABUR is a ready-to-use detergent and disinfectant specifically designed to clean and disinfect rotary dental micro-instruments. It effectively removes organic soils such as blood, saliva, etc., and has excellent disinfection properties.

Specially formulated for rotary endodontic instruments such as burs, diamonds, polishers, etc., it is also suitable for all types of medical and surgical instruments such as forceps, mirror, curette, scaler, scalpel, scalpel, etc.

MEDABUR inhibits instrument corrosion and protects them from discoloration even with prolonged immersion.

Properties

- Ready-to-use
- Effectively removes organic residues
- Used in immersion bath or ultrasonic bath
- Prevents corrosion and instruments discoloration
- Fully compatible even with the most sensitive materials
- Bactericidal, fungicidal, tuberculocidal, mycobactericidal
- Virucidal (HBV, HIV, HCV, Herpes, Vaccinia, BVDV, Influenza, Ebola, Coronavirus)
- Does not contain phenols, aldehydes, chlore or EDTA

Disinfecting properties

ACTIVITY SPECTRUM	STANDARD	STRAINS	CONTACT TIME
BACTERICIDAL* (Dirty conditions)	EN 13727	Pseudomonas aeruginosa Staphylococcus aureus Enterococcus hirae	5 Min.
FUNGICIDAL (Dirty conditions)	EN 13624	Candida Albicans	5 Min.
VIRUCIDAL (Dirty conditions)	DVV ⁽¹⁾ /RKI ⁽²⁾ 2014	BVDV, Vaccinia, HBV, HIV, HCV, Ebola, Herpes, Influenza H1N1, H5N1, Coronavirus	2 Min.
TUBERCULOCIDAL (Dirty conditions)	EN 14348	Mycobacterium Terrae (Surrogate: M. tuberculosis)	15 Min.
MYCOBACTERICIDAL (Dirty conditions)	EN 14348	Mycobacterium Terrae Mycobacterium Avium	15 Min.

* Including all antibiotic resistant bacteria such as MRSA, Escherichia coli, Klebsiella pneumoniae, Streptococcus pneumoniae, etc.

(1) DVV: Deutsche Vereinigung zur Bekämpfung der Viruskrankheiten (German Association for the Control of Virus Diseases)

(2) RKI: Robert Koch Institute - German Federal Health Authority

Certifications

- CE mark according to the medical devices Directive (Directive 93/42/EEC)
- Medical device class IIb



Packaging

- 2.5 litre bottle (Ref. 20005)
- 5 litre canister (Ref. 20006)

Physical properties

- Appearance: Transparent solution
- Density: 0.99 g/cm³ at 20°C
- pH: 9.5-11.0 at 20°C
- Odour: Neutral
- Storage: 5°C - 35°C
- Stability: 3 Years
- Biodegradability: According to OCDE 301D

Ultrasonic bath

MEDABUR can be used in all common types of ultrasonic baths.

Compatibility

MEDABUR is compatible with most materials such as stainless steel, aluminium, glass, ceramics, hard plastics, ebonite, etc. MEDABUR is not compatible with disinfecting preparations containing aldehydes.

Composition

N- (3-aminopropyl) -N dodecylpropano-1,3-diamine, non ionic surfactants <5%, isopropyl alcohol, corrosion inhibitor, anti-foaming agent, excipients.

MEDAPROTECT®

Concentrated mycobactericidal disinfectant for medical and surgical instruments

MEDAPROTECT is a high-performance concentrated solution for the cleaning and disinfection of heat-resistant and heat-sensitive instruments.

Thanks to the powerful synergy of surfactants, it combines an excellent cleaning efficiency and a broad spectrum of antimicrobial activity which includes atypical mycobacteria.

It is recommended for all types of surgical and dental instruments such as scalpel, forceps, curette, mirror, scaler, etc. Its low foaming formulation is perfectly adapted to use in ultrasonic baths.

MEDAPROTECT inhibits corrosion and protects instrument from discoloration even with prolonged immersion

Properties

- Very economical: 0,25 - 1% dilution
- Effectively removes organic residues
- Used in immersion bath or ultrasonic bath
- Prevents corrosion and instruments discoloration
- Fully compatible even with the most sensitive materials
- Bactericidal, fungicidal, tuberculocidal, mycobactericidal
- Virucidal (HBV, HIV, HCV, Herpes, Vaccinia, BVDV, Influenza, Ebola, Coronavirus...)
- Does not contain phenols, aldehydes, chlorine or EDTA

Disinfecting properties

ACTIVITY SPECTRUM	STANDARD	STRAINS	DOSAGE ml/l - %	CONTACT TIME
BACTERICIDAL* (Dirty conditions)	EN 13727	Pseudomonas aeruginosa Staphylococcus aureus Enterococcus hirae	2,5 ml/l - 0.25%	5 Min.
FUNGICIDAL (Dirty conditions)	EN 13624	Candida Albicans	2,5 ml/l - 0.25%	5 Min.
VIRUCIDAL (Dirty conditions)	DVV ⁽¹⁾ /RKI ⁽²⁾ 2014	BVDV, Vaccinia, HBV, HIV, HCV, Ebola, Herpes, Influenza H1N1, H5N1, Coronavirus	10 ml/l - 1%	15 Min.
			7,5 ml/l - 0.75%	30 Min.
TUBERCULOCIDAL (Dirty conditions)	EN 14348	Mycobacterium Terrae (Surrogate M. tuberculosis)	20 ml/l - 2%	15 Min.
			10 ml/l - 1%	60 Min.
MYCOBACTERICIDAL (Dirty conditions)	EN 14348	Mycobacterium Terrae Mycobacterium Avium	10 ml/l - 1%	60 Min.

* Including all antibiotic resistant bacteria such as MRSA, Escherichia coli, Klebsiella pneumoniae, Streptococcus pneumoniae, etc.

(1) DVV: Deutsche Vereinigung zur Bekämpfung der Viruskrankheiten (German Association for the Control of Virus Diseases)

(2) RKI: Robert Koch Institute - German Federal Health Authority

Certifications

- CE mark according to the medical devices Directive (Directive 93/42/EEC)
- Medical device class IIb



Packaging

- One litre bottle with dispenser (Ref. 20009)
- 5 litre canister (Ref. 20010)
- Dosing pump for 5 litre canister (Ref. 20023)

Physical properties

- Appearance: Blue solution
- Density: 0.99 g/cm³ at 20°C
- pH: 12-12.8 at 20°C
- pH (1%): 9.5-10.5 at 20°C
- Odour: Mild eucalyptus scent
- Storage: 5°C - 35°C
- Stability: 3 Years
- Biodegradability: According to OCDE 301D

Ultrasonic bath

MEDAPROTECT can be used in all common types of ultrasonic baths.

Compatibility

MEDAPROTECT is compatible with most materials such as stainless steel, aluminum, glass, ceramics, hard plastics, ebonite, etc.

MEDAPROTECT is not compatible with disinfecting preparations containing aldehydes.

Composition

N-(3-aminopropyl)-N-dodecylpropano-1,3-diamine, didecyl-dimethyl ammonium chloride, isopropyl alcohol, non ionic surfactants <5%, corrosion inhibitor, anti-foaming agent, excipients.

Disinfection of specific Dental equipment

The suction systems



As it is in direct contact with patients and staff, the dental unit represents an important vector of pathogenic transmission.

The different parts composing the suction system, amalgam separator and spittoon, have to be carefully cleaned and decontaminated after use.

The organic matter (saliva, blood) and debris (e.g. tooth particles, dental calculus and dental amalgam) removed from the oral cavity during dental procedures are by nature a moist environment ideal for biofilm development.

Soiled water from organic and inorganic residues can remain in the drain pipes of the aspiration system and also cause bad odors.

MEDALKAN recommends the daily use of **MEDASPIR**, high efficiency disinfectant for all common types of vacuum systems, amalgam separators and spittoons. It combines 4 simultaneous actions: cleaning, disinfecting, removing limestone and perfuming. With an antimicrobial broad spectrum of 15 minutes and excellent cleaning properties, **MEDASPIR** ensures safety for both patients and personnel. Its powerful and non foaming formulation contributes to biofilm removal from drain pipes and does not deteriorate the suction systems.

The dental prints

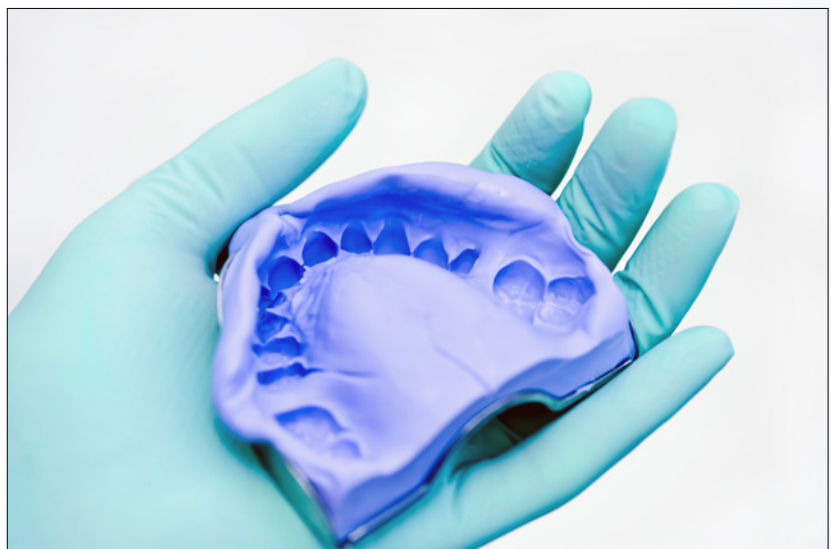
Another important part of the dentist's tasks is the taking of dental impressions. As dental impressions are in complete adherence with patient's mouth, they represent a high risk of cross-contamination. Therefore, it is essential to decontaminate dental impressions immediately after taking and prior to reaching the dental technician lab's.

MEDALKAN has developed two specific disinfectants for dental impressions:

- **MEDAPRINT**, very concentrated solution for a use in immersion bath (1% dilution).
- **MEDAPRINT FOAM**, disinfecting foam spray for a precise and easy application

They both combine excellent detergency and microbiological properties since they are tuberculocidal and mycobactericidal.

They are fully compatible with alginates, silicones, polyethers and hydrocolloides and do not affect the dimensionnal accuracy of impression materials.



MEDASPIR®

High efficiency disinfectant for suction systems

MEDASPIR is a high efficiency concentrated solution for the cleaning and disinfection of all common types of vacuum systems, amalgam separators and spittoons.

It removes all organic residues like saliva, blood, proteins and drilling dusts from drain pipes. It contributes to biofilm removal and leaves the walls of the pipes clean and disinfected.

MEDASPIR leaves a mild aromatic freshness and neutralizes bad smells. Its broad spectrum of antimicrobial activity and excellent cleaning power ensure patient and personnel safety.

The use of MEDASPIR is recommended as a daily routine at the end of the working day.



Properties

- Very economical: 2% dilution
- Quadruple action: cleans, disinfects, removes limestone, perfumes
- Does not foam
- Contact time: 15 minutes
- Protects from corrosion
- Bactericidal, fungicidal
- Virucidal (HBV, HIV, HCV, Herpes, Vaccinia, BVDV, Influenza, Ebola, Coronavirus...)
- Tuberculocidal
- Does not contain phenols, aldehydes or chlorine

Disinfecting properties

ACTIVITY SPECTRUM	STANDARD	STRAINS	CONTACT TIME
BACTERICIDAL* (Dirty conditions)	EN 13727	Pseudomonas aeruginosa Staphylococcus aureus Enterococcus hirae	5 Min.
FUNGICIDAL (Dirty conditions)	EN 13624	Candida Albicans Aspergillus Brasiliensis (Fungicidal)	5 Min. 60 Min.
VIRUCIDAL (Dirty conditions)	EN 14476	BVDV, Vaccinia, HBV, HIV, HCV, Ebola, Herpes, Influenza H1N1, H5N1, Coronavirus	15 Min.
TUBERCULOCIDAL (Dirty conditions)	EN 14348	Mycobacterium terrae (Surrogate M. Tuberculosis)	60 Min.

* Including all antibiotic resistant bacteria such as MRSA, Escherichia coli, Klebsiella pneumoniae, Streptococcus pneumoniae, etc.

Certifications

- CE mark according to the medical device Directive (Directive 93/42/EEC)
- Medical device class IIa

Packaging

- 2,5 litre bottle (Ref. 20013)
- 5 litre canister (Ref. 20014)
- Dosing pump for 5 litre canister (Ref. 20023)

Physical properties

- Appearance: Transparent yellow solution
- Density: 1.03 g/cm³ at 20°C
- pH: 12.30 - 12.80 at 20°C
- pH (2%): 10.40 - 10.80 at 20°C
- Odour: Mild aromatic (lemon)
- Storage: 5°C - 35°C
- Stability: 3 Years
- Biodegradability: According to the OCDE 301D

Compatibility

MEDASPIR is compatible with all common types of vacuum systems, amalgam separators and spittoons.

Composition

N-(3-aminopropyl)-N-dodecylpropano-1,3-diamine, quaternary ammonium salts, non ionic surfactants <5%, anti-foaming agent, corrosion inhibitor, perfume, excipients.

MEDAPRINT FOAM®

Foaming disinfectant for dental impressions

MEDAPRINT FOAM is a disinfecting spray especially developed for the quick and easy cleaning and disinfection of dental impressions. Its foaming action allows a precise and easier application on the dental prints.

MEDAPRINT FOAM has been formulated to ensure a broad antimicrobial activity spectrum without affecting the dimensional accuracy of the impression materials.

It is fully compatible with alginate, silicone, polyether and hydrocolloids.

Properties

- Foam spray for easy and precise application
- Broad antimicrobial activity spectrum in 15 minutes
- Compatible with impressions made of alginate, silicone, polyether and hydrocolloids
- Effectively removes organic residues
- Bactericidal, fungicidal, tuberculocidal, mycobactericidal
- Virucidal (HBV, HIV, HCV, Herpes, Vaccinia, BVDV, influenza, Ebola, Coronavirus...)
- Does not contain phenols, aldehydes, chlorine or EDTA

Disinfecting properties

ACTIVITY SPECTRUM	STANDARD	STRAINS	CONTACT TIME
BACTERICIDAL* (Dirty conditions)	EN 13727	<i>Pseudomonas aeruginosa</i> <i>Staphylococcus aureus</i> <i>Enterococcus hirae</i>	5 Min.
FUNGICIDAL (Dirty conditions)	EN 13624	<i>Candida Albicans</i>	5 Min.
VIRUCIDAL (Dirty conditions)	DVV ⁽¹⁾ /RKI ⁽²⁾ 2014	BVDV, Vaccinia, HBV, HIV, HCV, Ebola, Herpes, Influenza H1N1, H5N1, Coronavirus	2 Min.
TUBERCULOCIDAL (Dirty conditions)	EN 14348	<i>Mycobacterium Terrae</i> (Surrogate <i>M. tuberculosis</i>)	15 Min.
MYCOBACTERICIDAL (Dirty conditions)	EN 14348	<i>Mycobacterium Terrae</i> <i>Mycobacterium Avium</i>	15 Min.

* Including all the antibiotic resistant strains as MRSA, *Klebsiella pneumoniae*, *Escherichia coli*, *Streptococcus pneumoniae*, etc.

(1) DVV: Deutsche Vereinigung zur Bekämpfung der Viruskrankheiten (German Association for the Control of Virus Diseases)

(2) RKI: Robert Koch Institute - German Federal Health Authority

Certifications

- CE mark according to the medical devices Directive (Directive 93/42/EEC)
- Medical device class IIb



Packaging

- One litre spray bottle (Ref. 20035)
- 5 litre canister (Ref. 20036)

Physical properties

- Appearance: Foaming transparent solution
- Density: 0.99 g/cm³ at 20°C
- pH: 9.5-10.5 at 20°C
- Odour: Neutral
- Storage: 5°C - 35°C
- Stability: 3 Years
- Biodegradability: According to OCDE 301D

Compatibility

MEDAPRINT FOAM is compatible with impressions from alginate, silicone, polyether and hydrocolloids.

MEDAPRINT FOAM is not compatible with disinfecting preparations containing aldehydes.

Composition

N- (3-aminopropyl) -N dodecylpropano-1,3-diamine, <5% non-ionic surfactants, corrosion inhibitors, moisturising agent, excipients

MEDAPRINT®

Concentrated disinfectant for dental impressions

MEDAPRINT is a concentrated disinfectant specially designed for the cleaning and disinfection of dental impressions. It has excellent microbiological properties which includes tuberculocidal and mycobactericidal activity.

Formulated without aldehydes, it ensures user' safety.

MEDAPRINT is to be used in immersion bath.

It does not affect the precision or dimensional stability of dental prints made of alginates, silicones, polyethers or hydrocolloids,

Its very concentrated formula (dilution at 1%) allows the preparation of 100 litre of ready-to-use solution.



Properties

- Very economical: 1% dilution
- Contact time: 15 minutes
- Compatible with impressions made of alginate, silicone, polyether and hydrocolloids
- Effectively removes organic residues
- Bactericidal, fungicidal, tuberculocidal, mycobactericidal
- Virucidal (HBV, HIV, HCV, Herpes, Vaccinia, BVDV, influenza, Ebola, Coronavirus...)
- Does not contain phenols, aldehydes, chlorine or EDTA

Disinfecting properties

ACTIVITY SPECTRUM (1% Dilution)	STANDARD	STRAINS	CONTACT TIME
BACTERICIDAL* (Dirty conditions)	EN 13727	Pseudomonas aeruginosa Staphylococcus aureus Enterococcus hirae	5 Min.
FUNGICIDAL (Dirty conditions)	EN 13624	Candida Albicans	5 Min.
VIRUCIDAL (Dirty conditions)	DVV ⁽¹⁾ /RKI ⁽²⁾ 2014	BVDV, Vaccinia, HBV, HIV, HCV, Ebola, Herpes, Influenza H1N1, H5N1, Coronavirus	15 Min.
TUBERCULOCIDAL (Dirty conditions)	EN 14348	Mycobacterium Terrae (Surrogate M. tuberculosis)	60 Min.
MYCOBACTERICIDAL (Dirty conditions)	EN 14348	Mycobacterium Terrae Mycobacterium Avium	60 Min.

* Including all antibiotic resistant bacteria such as MRSA, Escherichia coli, Klebsiella pneumoniae, Streptococcus pneumoniae, etc.

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(2) RKI: Robert Koch Institute - German Federal Health Authority

Certifications

- CE mark according to the medical devices Directive (Directive 93/42/EEC)
- Medical device class IIb

Packaging

- One litre bottle with dispenser (Ref. 20015)
- 5 litre canister (Ref. 20016)
- Dosing pump for 5 litre canister (Ref. 20023)

Physical properties

- Appearance: Transparent solution
- Density: 0.99 g/cm³ at 20°C
- pH: 12.0-12.8 at 20°C
- pH (1%): 9.5-10.5 at 20°C
- Odour: Neutral
- Storage: 5°C - 35°C
- Stability: 3 Years
- Biodegradability: According to OCDE 301D

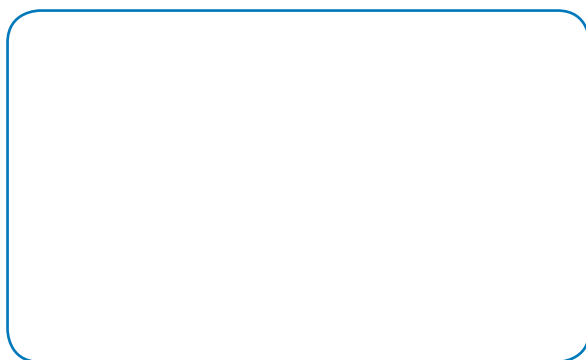
Compatibility

MEDAPRINT is compatible with impressions from alginate, silicone, polyether and hydrocolloids.

MEDAPRINT is not compatible with disinfecting preparations containing aldehydes.

Composition

N- (3-aminopropyl)- N- dodecylpropan - 1,3 diamine, didecyl-dimethyl ammonium chloride, isopropyl alcohol, 5-15% non-ionic surfactants , anti-foaming agent, excipients.



Your distributor



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For further information,
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