



RAMAN & WEIL PVT LTD

Advanced Disinfectants for Instruments & Endoscopes Product Range

J.S. ANAND
GENERAL MANAGER
RAMAN & WEIL PVT. LTD.

Since 1989





Excellence In Infection Control







31 years of association with **Bode Chemie, Germany**, R&W has more than **44 products**, covering the entire spectrum of Hi Tech Disinfection and Antiseptic needs of all Medical spheres: Hospitals, Nursing Homes, Dental Clinics, Pathological laboratories & Pharmaceutical Sterile Sections.





Excellence in Infection Control In technical collaboration with BODE CHEMIE, Germany



- DIN ISO 13485
- DIN ISO 9001
- DIN ISO 14001
- GMP Certificate
- EC Certificate of Conformity
- Manufacturer's Authorization
- Certificate Environmental Partnership Program
- WHO GMP Certificate in all 3 units







The number 1 trusted name in Hand Disinfection:



Sterillium

The International Gold Std.







EXCELLENCE IN INFECTION CONTROL

Sterillium

The International Gold Std.

Passes EN 1500, EN 12791, EN 13727, EN 13624, EN 14348, EN 1040, EN 1275 Brand of the Century, Europe

International Gold Standard for alcohol hand rubs

Approved & used in 57 countries

As per World Health Organization, recommendation

2016 – 4 Billion hand disinfection procedures conducted, 9000 tonnes

0.2 micron filtration conducted under GMP conditions

Manufactured as per European Pharmacopeia, highest purity of alcohol

Skin Hydration increases up to 30%

Highly efficient formula





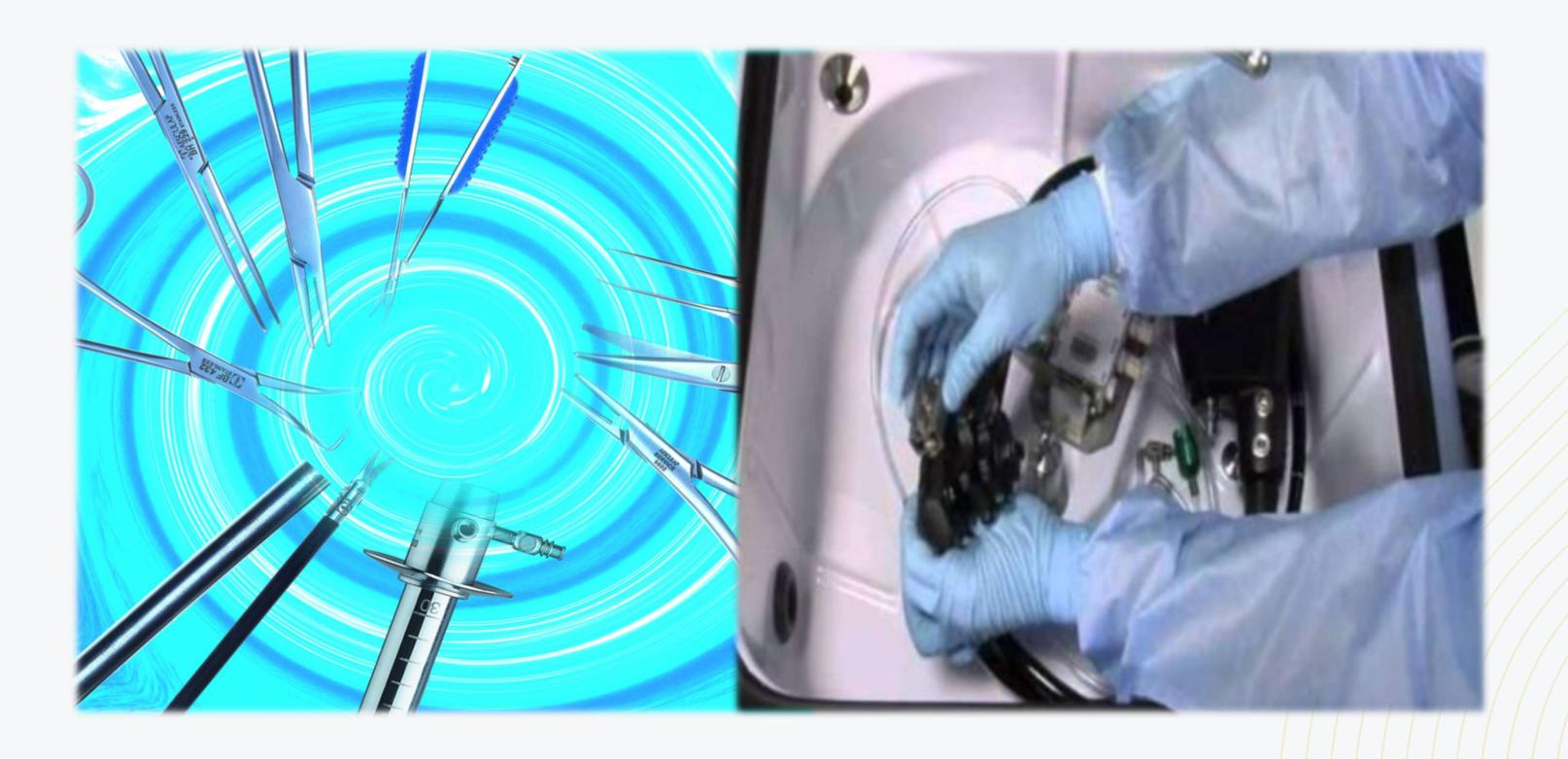


Range of Effective Instrument & Endoscope Disinfectants

RAMAN & WEIL Pvt. Ltd.

EXCELLENCE IN INFECTION CONTROL







KORSOLEX PLUS

- Aldehyde free instrument disinfectant (Conc.)
- Ideal for heat sensitive and heat resistance instruments
- With powerful cleaning effect, corrosion inhibitors, pH regulators and fragrance.
- Very safe, as this product, will not disturb the lens cement which holds the lenses, so the focus remains accurate, in spite of frequent use.
- STANDARD SOLUTION- Use 2% only
- STABILITY
 Diluted solution can be used up to 7 days, including high protein loads
 Shelf life of the concentrate is 3 yrs.

Excellence in Infection Control



Korsolex® Plus

Aldehyde - free instrument disinfectant for heat-sensitive and heat-resistant instruments. Powerful cleaning effect.



(Rem magnification

KORSOLEX PLUS

CHEMICAL COMPOSITION

- 5TH Generation QAC
- With very powerful cleanser
- Manufactured as per European Pharmacopeia
- Listed in the German Association for Applied Hygiene
- CE Labeling in accordance with the Medical Device Directive.

MATERIAL COMPATIBILITY

 Excellent material compatibility on glass, ceramic, stainless steel, non-ferrous metals, aluminum, hard rubber, hard plastic, silicone, Makrolone, & Plexiglas.

Endorsed by







Korsolex® Plus

of a product for a specific

for prophylactic instrumen

Association for Applied Hygiene (VAH); Based or

suspension and practica

ests; tested under clean

Appraised efficacy agains

pacteria (in accordance wit

(i.e. cleaned instruments

dirty instruments)

the German Society for Hygiene and Microbiolo [DGHM]); within the certifie

Efficacy against viruses

ppraised efficacy again:

cordance with DVV)

Appraised efficacy agains

100 g concentrate contain:

Dodecylbispropylene triamine - 9.2 g

regulators, pH regulators, fragrance

Didecyldimethyl ammonium Chloride 13.0 g

ccordance with DVV)

Composition

Aldehyde - free instrument disinfectant for heat-sensitive and heat-resistant instruments. Powerful cleaning effect.

Bactericidal / Yeasticidal / Tuberculocidal / Virucidal against enveloped viruses (incl. HBV, HIV, - dirty conditions HCV) &non-eveloped viruses (Rota) Yeasticidal (EN 14562) Areas of application 0.5% 0.25% Step 2 (practical tests) - dirty conditions Korsolex® plus can be used clean / dirty conditions for the cleaning disinfection of heat-resistant and heatsensitive instruments in the Phase 2 / Step 1 Efficacy according to 0.25% 0.1% Bactericidal (EN 13727) manual treatment circulation EN Phase 2 / - dirty conditions procedures as well as in the Yeasticidal (EN 13624) ultrasonic bath. 0.25% 0.1% Safe for cleaning disinfection of - dirty conditions CO2 incubators, Laminar flow hoods Ultrasound probes, etc. present in 5 mins IVF Clinics and Laboratories. 0.05% (EN 1040) Appraised efficacy Bactericidal ccording to EN Yeasticidal (EN 1275) Phase 1 (Basic tests ontamination does not define the applicabili

Bactericidal / Yeasticidal

+ Antibiotic resistant bacteria

Helicobacteria pylori

enveloped viruses

Vaccinia virus

Rota virus

Other ingredients: Surfactants, corrosion inhibitors, foan

Test conditions - instrument disinfection:

Products tested under clean conditions only are

recommended for pre-cleaned instruments and/or

Clean conditions (following EN standards):

organic and / or inorganic substances

(incl. HBV. HIV. HCV)

Herpes - simplex virus

Directions for use Immersion bath procedure Korsolex® plus is supplied as concentrate. Open or take instruments and devices apart as far as possible. Make sure the instruments are completely covered by Korsolex plus solution without any hollows or bubbles.

Product properties Virucidal against enveloped viruses (incl. HBV, HIV, HCV) exceptional cleaning power high material compatibility pleasant smell and disinfection

Listing Certification / list issued by the German Association for Applied Hygiene (VAH) CE labelling in accordance with the Medical Device

Stability

 After opening in tightly closed container 12 months

· Stability of fresh working solution in closed containers: 4 weeks

 Standing time of the used working solution : The use-solution can be utilized for 7 days of including low to high protein loads. This is also applicable for ultrasonic baths

Endorsed by

FUJINON

OLYMPUS WOLF

Dirty conditions (following EN standards) In case you cannot rule out contamination with blood, only use products with proven activity

Exclusively Manufactured & Marketed by:

Organic loads for testing instrument disinfectants

RAMAN & WEIL PVT. LTD.

Registered Office: 15, Chateau Marine, B-Rd., Churchgate, Mumbai - 20. Administrative Office: Room No. 36/37, 3rd Floor, Mittal Chamber Opp. Inox Theatre, Nariman Point, Mumbai - 400 021. India Phone: 22049527, 22856397 Email: sales@ramanweil.com



In technical collaboration with **BODE Chemie GmbH** Melanchthonstraße 27

D-22525 Hamburg, Germany Must Visit : www.bode-science-center.com Recipient : ISO 9001, ISO 14001, ISO 13485



Ultrasonic bath

Rinse phase

Korsolex® plus can be used in

all stainless steel ultrasonic baths

Follow the sonication time stated

in the instruments manufacturer's

exposure time has to be followed

After disinfection, adequate rinsing

shall be carried out. In practice.

rinse times of 10 minutes have

The material compatibility of the

instrument disinfectant extends

non-ferrous metals, aluminium,

e.g. glass, ceramic, stainless steel

rubber (including latex and silicone)

Standard Solution : Use 2% only

Korsolex® Plus

100 ml

40 ml

50 bottles / Carton

4.900

1.960 L

Always prepare the solution with

max room temperature water

to a wide range of materials,

hard rubber and hard plastic.

and also plastics (including

Makrolon and Plexidlas

proved most appropriate. The

water should be of at least

drinking water quality.

Compatibility

instructions and make sure the

solution is not heated, the



RAMAN & WEIL Pvt. Ltd.





- EN 1040 Bactericidal, including antibiotic resistant bacteria
- EN 1275 Yeasticidal & Fungicidal
- EN 13727 Bactericidal (incl. diff. MRSA strains)
- EN 13624 Yeasticidal & Fungicidal
- EN 14561 Bactericidal, including Helicobacter Pylori
- EN 14562 Yeasticidal
- EN 14348 Mycobactericidal & Tuberculocidal
- EN 14563 Mycobactericidal & Tuberculocidal
- EN 14476 Viricidal (Enveloped & Non Enveloped including Coronavirus)



100ml



KORSOLEX RAPID

- Aldehyde based sterilizer concentrate
- For Thermolabile and Thermostable instruments
- Rust Inhibitors and High-Tech Cleansers
- Very safe, as this product, will not disturb the lens cement which holds the lenses, so the focus remains accurate, in spite of frequent use.
- STANDARD SOLUTION- Use 5% only

	STRENGTH OF SOLUTION	IMMERSION TIME
STD./ EMERGENCY DISINFECTION (under clean conditions)	5%	5 mins only
STD./ EMERGENCY DISINFECTION (under dirty conditions)	5%	10-15 mins only
TOTAL STERILIZATION	5%	4 hrs

STABILITY

Diluted solution can be used up to 7 days, including high protein loads.

Shelf life of the concentrate is 3 yrs.

Excellence in Infection Control



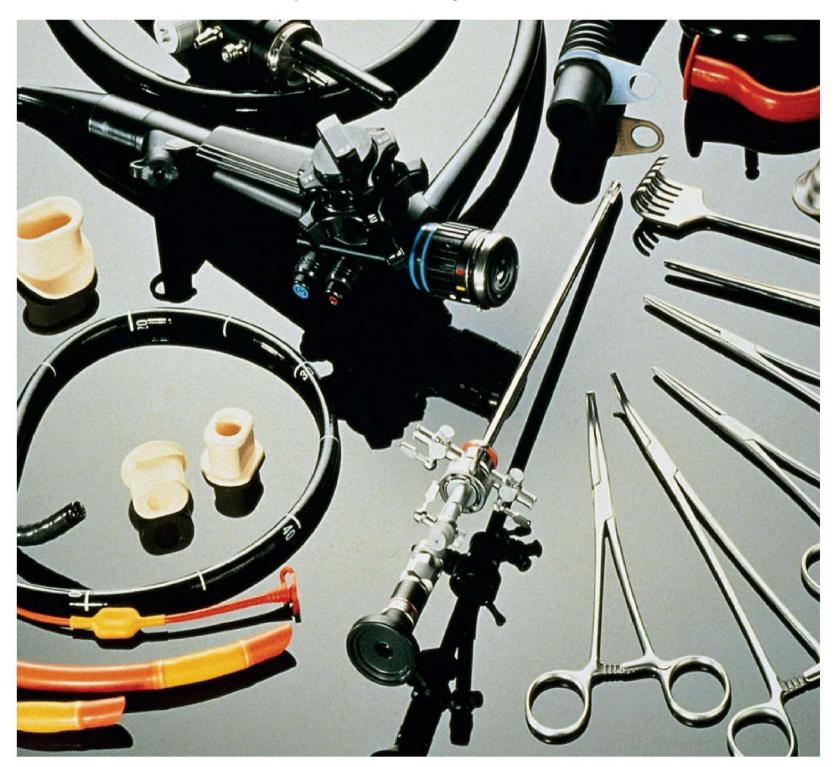






Korsolex® Rapid

Aldehyde-based sterilizer, for heat-sensitive and heat-resistant instruments. Virucidal & Sporicidal activity. Economical concentration.



KORSOLEX RAPID

CHEMICAL COMPOSITION

- Complex combination of 2 types of Aldehydes based formulation Concentrate
- With very powerful cleanser
- Manufactured as per European Pharmacopeia
- Listed in the German Association for Applied Hygiene
- CE Labeling in accordance with the Medical Device Directive.

MATERIAL COMPATIBILITY

• Excellent material compatibility on glass, ceramic, stainless steel, non-ferrous metals, aluminum, hard rubber, hard plastic, silicone, Makrolone, & Plexiglas

Endorsed by







Korsolex® Rapid

Aldehyde-based disinfectant for heat-sensitive and heat-resistant instruments

Proven efficacy

Bacteria and Fungi		
EN Phase 2 / Step 2 Efficacy according to EN Phase 2 / Step 2 (Practical tests) tested under clean / dirty conditions	Bactericidal (EN 14561) - clean conditions Yeasticidal (EN 14562) - clean conditions Tuberculocidal - clean conditions Mycobactericidal (EN 14563) - clean conditions	4% - 5 mins 4% - 15 mins
EN Phase 2 / Step 1 Efficacy according to EN Phase 2 / Step 1 (Suspension tests) tested under clean / dirty conditions	Bactericidal (EN 13727) - clean conditions Yeasticidal (EN 13624) - clean conditions Fungicidal (EN 13624) - clean conditions Tuberculocidal (EN 14348) - clean conditions Mycobactericidal (EN 14348) - clean conditions	3% - 5 mins 5% - 15 mins
EN Phase 1 / Basic test Appraised efficacy according to EN Phase 1 (basic tests / suspension tests) without contamination does not define the applicability of a product for a specific purpose	Bactericidal (EN 1040) Yeasticidal (EN 1275) Fungicidal (EN 1275)	1% - 1 mins 2% - 1 mins 2% - 5 mins
VAH Certified application recommendation for prophylactic instrument disinfection from the Association for Applied Hygiene (VAH); Based on suspension and practical tests; tested under clean (i.e. cleaned instruments) / dirty conditons (i.e. used / dirty instruments)	Bactericidal / Yeasticidal - clean conditions Fungicidal - clean conditions Tuberculocidal - clean conditions Mycobactericidal - clean conditions	5% - 15 mins
RKI Recognised substance for decontamination acc. to §18 IfSG (Robert Koch-Institut-RKI) Area B - see "Viruses"	Area A - vegetative bacteria; incl. Mycobacteria, fungi and fungi-spores	4% - 15 mins
Bacterial spores		
Efficacy against bacterial spores	Sporicidal B. subtilis	5% - 4 hrs
Viruses		
EN Phase 2 / Step 1 Appraised efficacy according to EN Phase 2/Step 1 (suspension tests) tested under clean / dirty conditions	Virucidal (EN 14476) - clean conditions Adenovirus (EN 14476) - clean conditions	
Efficacy against viruses (acc. to German Society for the Control of Viral Diseases -DVV)	Virucidal against enveloped viruses (incl. HBV, HIV, HCV) Virucidal	1% - 2% 5 mins-15mins
Appraised efficacy against non-enveloped viruses (DVV) Appraised efficacy against	Adenovirus Polyomavirus	
Appraised efficacy against non-enveloped viruses (in accordance with DVV)	Rotavirus	
Recognised substance for decontamination acc. to §18 IfSG (RKI) Area A-see "Bacteria and Fungi"	Area B - enveloped and non-enveloped viruses	3% - 15 min





Supported by Comprehensive proofs of efficacy and scientific - based research and development, Our hygiene and disinfection products ensure best quality. www.bode-science-center.com



5mins only

10-15mins only

4 hrs

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Each 100 gms contain

Glutaraldehyde: 15.2 g

1, 6-Dihydroxy 2, 5-Dioxahexane:19.7g Rust Inhibitors and Hi-Tech Cleansors 4% solution : pH-value approx. 7

tuberculocidal, mycobactericidal sporicidal, virucidal against enveloped viruses (incl. HBV, HIV, HCV), virucidal

product of choice in endoscopy.

Areas of Application

endoscopes

Shelf Life:

Std. / Emergency

Total Sterilizatio

500 ml : 20 bottles / Carton

3 years in conc. form prepared solution 7 days

bactericidal (including Helicobacteria Pylori EHEC / MRSA), yeasticidal, fungicidal

Korsolex Rapid® displays excellent material compatibility with heat-resistant and

heat-sensitive instruments, and is therefore a

Korsolex Rapid® is suitable for all common manual and semi-automatic (cold disinfection) procedure. Korsolex Rapid® is supplied as a concentrate. also suitable for Immersion bath

procedure. Circulation process. Ultrasonic bath Chemo-thermal reprocessing of

> **BODE Chemie GmbH** elanchthonstraße 27

D-22525 Hamburg, Germany Must Visit: www.bode-science-center.com www.sterillium.com

Recipient : ISO 9001, ISO 14001, ISO 13485





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EXCELLENCE IN INFECTION CONTROL



KORSOLEX RAPID

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- EN 14347 Sporicidal
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- EN 14563 Mycobactericidal & Tuberculocidal
- EN 14476 Viricidal (Enveloped & Non Enveloped including Coronavirus)







BODEDEX FORTE

- pH-neutral cleaner for heat sensitive and heat resistant instruments.
- Patented self-acting liquid cleaner
- Reliable and gentle in removal of stubborn residues of blood, proteins, secretions, grease, biofilms and X-ray contrast media.
- Very safe, as this product, will not disturb the lens cement which holds the lenses, so the focus remains accurate, in spite of frequent use.

PRODUCT PROPERTIES

- Contains special complexing agents to remove water hardness
- Ideal for pre-cleaning and cleaning of instruments having narrow lumen (specialized endoscopes)/ Duodenoscopes that are heavily contaminated with residues of contrast media.
- Can be used in Semi-automatic circulation machine/ Ultrasonic Bath/ Removal of contrast media residues
- Used for cleaning of anesthetic instruments like masks, tubes, etc.

Excellence in Infection Control







Bodedex[®] forte

pH-neutral cleaner for heat sensitive and heat resistant instruments. Patented self-acting liquid cleaner



Disinfecting cleaning of instruments



introduced to the cleaning process as quick as possible. Using a cleaning disinfectant – active



BODEDEX FORTE

CHEMICAL COMPOSITION

- Non-ionic and amphoteric surfactants, solvents, complexing agents, corrosion inhibitors, anti-foaming agents, preservatives
- Fragrance, colorant and foam free
- Neutral pH value of diluted solution
- CE Labeling in accordance with the Medical Device Directive

MATERIAL COMPATIBILITY

Excellent material compatibility on glass, ceramic, stainless steel, non-ferrous metals, aluminum, hard rubber, hard plastic, silicone, Makrolone, & Plexiglas.

Endorsed by







Bodedex® forte

pH-neutral cleaner for heat sensitive and heat resistant instruments. Patented self-acting liquid cleaner

Product properties

- self acting, strong cleaning effect even with stubborn soiling
- dissolves contrast media residues and biofilms
- special material protectors
- · easy to rinse off without leaving
- little foaming
- fragrance and colourant free

Non-ionic and amphoteric surfactants, solvents, complexing agents, corrosion inhibitors. anti-foaming agents, preservatives

Immersion bath procedure Bodedex® forte is used for the pre-cleaning and cleaning of instruments (even of particularly narrow lumen) to optimize the subsequent disinfection and sterilization success Dissemble or open the instruments respectively and immerge them in Bodedex® forte

solution. The channels have to be filled without any bubbles. Make sure the instruments are completely covered by the solution. After cleaning rinse all parts with water of at least drinking quality and forward the instruments to further reprocessing

Circulation procedure

Bodedex® forte can be used in all common semi-automatic circulation procedures for the cleaning process

Ultrasonic bath

Bodedex® forte can be used in all stainless steel ultrasonic baths

Standing time

The solution should be renewed daily

Areas of Application

in hospitals, primary

Bodedex® forte can be used for self acting cleaning of instruments and equipment

healthcare and the laboratory Removal of contrast media

Instruments and devices like duodenoscopes that are contaminated with residues of contrast media.

Anaesthesia and intensive care Patient related items such as pharyngeal tubes, masks, laryngoscope spatulas, etc. Surgery

Instruments, surgical equipment / tools, blood aspirators, etc.

Endoscopes

Gastroscopes, duodenoscopes colonoscopes, bronchoscopes, biopsy snares and attachments, etc.

Laboratories

Glass and porcelain containers. devices, tubing systems, etc.

Urology

Cold light endoscopes (optics) and accessories, rectoscopes,

Ophthalmologic instruments **Dental instruments**

CE labelling in accordance with the Medical Device Directive (MDD) 1 % soultion pH-value approx. 7

Diluted solution is stable for one day.

Characteristics

Bodedex® forte is a modern powerful instrument cleaner which is exceptionally suitable for cleaning of medicinal heat-sensitive and heatresistant instruments as well as laboratory

Bodedex® forte has a neutral pH-

Contains also special system of complexing agents, which compensates

Reliable and gentle removal of stubborn residues of blood, proteins secretions, grease, biofilms and x-ray

Bodedex® forte assists superior disinfection of instruments and endocopes

degree of contamination	dilution of Bodedex [®] forte in water (drinking quality)	contact time
mild	0.5%	5 mins.
heavy	1.0%	10 mins

Endorsed by FUJINON

20 bottles / Carton

Comparison of success when cleaning duodenoscopes (in %)



When cleaning duodenoscopes with a competitive product, 69 % of the devices are free from contamination after complete reprocessing. Thanks to its special formula, Bodedex® forte vields a

Removing biofilm

Organic contamination and biofilm in particular pose a challenge when cleaning heat-sensitive endoscopes. On the one hand, the stubborn soils require high cleaning power; on the other hand, chemicals or too strong mechanical abrasion must not damage the endoscope's sensitive materia

A study shows that, for cleaning flexible endoscopes, the efficacy of a cleaner with neutral pH is superior to enzymatic products (1).

Additionally, according to surveys, the neutral cleaner reduces biofilm with Pseudomonas aeruginosa by 1.6 log10 steps at 40 ℃ and an exposure time of 5 minutes only, thus being assessed as highly effective

The cleaning success is based on a patented mechanism of action that increases the water solubility of deposits

Albrecht H. Infektionspotenzial Kontrastmittelreste: Neuartiges Wirksystem ist bei Duodenoskopen enzymatischen Reinigern überlegen. ENDO-Praxis; 2000; 2:18-20. 2 Gutachten zur Reinigungswirkung des Neutralreinigers Bodedex forte im manuelle Tauchverfahren gegenüber Biofilm von Pseudomonas aeruginosa. HSK, Dr. Horst-Schmidt-Kliniken GmbH, Hygiene-Institut, Wiesbaden, 29.06.2000.





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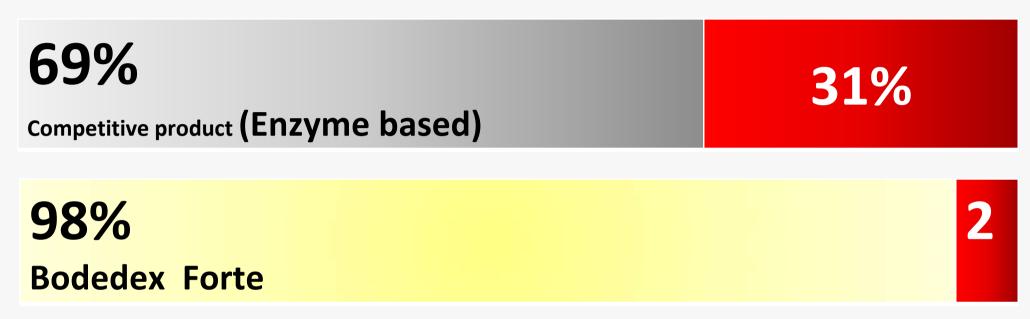
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Recipient : ISO 9001, ISO 14001, ISO 13485

BODEDEX FORTE

COMPARISON OF TWO PRODUCTS % of SUCCESS WHEN CLEANING CONTAMINATED DUODENOSCOPES



PUBLISHED STUDY AVAILABLE ON REQUEST

STANDARD SOLUTION- Use 0.5% to 1%

DEGREE OF CONTAMINATION	DILUTION OF BODEDEX FORTE	CONTACT TIME
MILD	0.5%	5 mins
HEAVY	1.0%	10 mins

STABILITY

Diluted solution can be used up to 1 day, **including high protein loads**Shelf life of the concentrate is 3 yrs.



500ml

ALL EFFICACY REPORTS, MATERIAL COMPATIBILITY REPORTS, ENDORSEMENTS AVAILABLE ON REQUEST.



AFNOR-NFT 72-170

Bactericidal

Fungicidal

Yeasticidal

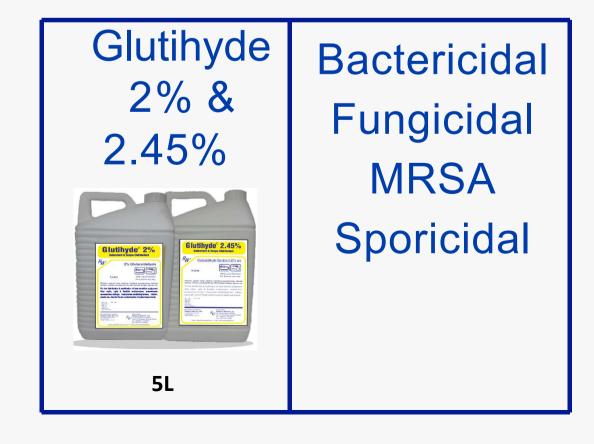
EN 1275

Viricidal

COVID-19✓















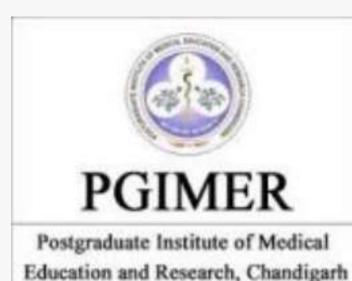


HOSPITALS YOU RELY ON,

RELY ON US



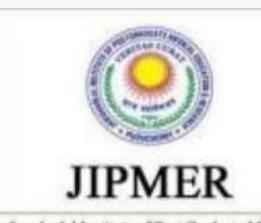






Christian Medical College, Vellore

Reliance



Jawaharlal Institute of Post Graduate Medical Education & Research, Puducherry







SRI RAMACHANDRA INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Category - I Deemed to be University) Porur, Chennai











HOSPITAL Catholic Health Association of India

























TRUST IN US

RAMAN & WEIL Pvt. Ltd.

EXCELLENCE IN INFECTION CONTROL

