



DISINFECTION & HYGIENE Guide



Gül Biyoloji Laboratuvarı
www.gbl.com.tr

HEMODIALYSIS
MACHINE DISINFECTANTS

MEDICO-SURGICAL
INSTRUMENT DISINFECTANTS

SKIN & HAND
DISINFECTANTS

FLOOR & SURFACE
DISINFECTANTS

Foreword

GBL Gül Biyoloji Laboratuvarı, founded 1990, specializes in hygiene and disinfection products. Our main products are: 1) hemodialysis machine disinfectants 2) skin and hand disinfectants 3) cleaning, pre-disinfection and maintenance products for medico-surgical instruments 04) high-level disinfectants 05) floor and surface disinfectants.

GBL Gül Biyoloji Laboratuvarı, as an ISO 9001: 2015, EN ISO 13485: 2016 and ISO 22716: 2007 (GMP) management system certified company, manages all its processes (design, research and development, supply chain, production, quality control, marketing and sales, foreign trade, delivery chain) according to the final, up-to-date quality standards.

The strict quality-control procedures used to test our disinfectants allow us access to objective scientific evidence as regards the efficacy of our products.

Quality control tests related to disinfectant products are being performed and published by our quality control laboratory for each batch. In addition, our products are periodically tested.

Our R&D laboratory surveys the new trends in our sector and constantly tries to add new products and packages to our portfolio. Every customer need and demand are evaluated separately and carefully to be met in the best way possible.

After many years of disinfection and hygiene products experience in the Turkish market, GBL Gül Biyoloji Laboratuvarı is now ready to meet with its target international partners and clientele.

By using GBL® branded disinfectants, you will easily meet the international standards at a reasonable cost, you will feel warm Turkish hospitality in our customer service, you will recognize the speed and flexibility of a SME (small medium size enterprise) in our export operations.

Eager to serve you in your disinfection and hygiene product needs!

Yours faithfully,

Mustafa Çetin Özbudun
General Manager

Index

Foreword

Company Profile

Certificates

Contact Information

Labelling

Our Technical Documents

Hemodialysis Machine Disinfection

Skin and Hand Disinfection

Cleaning, Maintenance and Pre-Disinfection

High Level Disinfection






Accessories



Company Profile

Our Scope of Activity






GBL Gül Biyoloji Laboratuvarı, founded 1990 by M.D. Sait Hulusi Özbudun, is an İstanbul Turkey based company manufacturing "medical device disinfectants" and "biocidal products". All our process (design, research and development, supply chain, production, quality control, marketing and sales, foreign trade, delivery chain) are certificated ISO 9001: 2015, EN ISO 13485: 2016 and ISO 22716: 2007. Our main product groups are stated below;

-  Hemodialysis machine disinfectants and decalcifiers (various formulae based on citric acid, peracetic acid).
-  Skin and hand disinfectants and disinfectant liquid soaps.
-  High-level disinfectants for endoscopes, medico-surgical instruments (various formulae based on glutaraldehyde, ortho-phtalaldehyde, peracetic acid and without aldehydes).
-  Enzymatic cleaners and maintenance products for medico-surgical instruments.
-  Floor and surface disinfectants.

Our Vision

Our vision is to supply hospitals with high-quality service and products for a reasonable price, to perform all kinds of design, research and development, supply chain, production, quality control, marketing and sales, foreign trade, delivery chain activities according to international standards, to be Turkey's most sustainably developing, innovative company in our scope of activity, who's products are preferred more than others.

Our Mission

-  To satisfy the needs and exceed the expectations of our customers with our products.
-  To create a working environment where our staff security, personal development and financial interests are held to the fore.
-  To build long-lasting, honest, principled business relations based on mutual interests.
-  To make sure our partners have steadily increasing company shares.
-  To help close our country's foreign trade deficit.

Certificates



ISO 9001:2015
Quality Management System
Certificate



EN ISO 13485:2016
Quality Management System
Certificate for Medical Device
Manufacturers



Quality Assurance System
According to MDD



ISO 22716:2007
GMP: Good Manufacturing
Practices

Our Certificates:

- Working Permission Certificate by Ministry of Labour
- Industrial Organisation Certificate by Ministry of Science, Industry and Technology
- First Class Non-Sanitary Organisation by Dudullu Organisation Industrial Zone Authority
- Working Permission Certificate by Ministry of Environment
- Capacity Report by Istanbul Chamber of Industry
- Quality Management System Certificate: ISO 9001:2015 (Kiwa Certification Services Inc.)
- Quality Management System Certificate: EN ISO 13485:2016 (Kiwa Certification Services Inc.)
- CE Certificate for Medical Devices (Kiwa Certification Services Inc.)
- Good Manufacturing Practices (GMP): ISO 22716:2007 (Inspecco Certification and Inspection Services)
- CE Declarations for IVD and MDD products
- Biocidal Products Certificates for type 1 and type 2 products
- Free Sales Certificates by Turkish Ministry of Health
- Certified and authorized technical staff by Turkish Standardisation Institute to prepare Safety Data Sheets.

Contact Information

ADDRESS

GBL Gül Biyoloji Laboratuvarı Sanayi ve Ticaret Limited Şirketi

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info@svet.com.tr

Labelling


13



1 GBL® CITRO PLUS™

**2 Hemodialysis Machine Disinfectant;
Citric Acid 21 %**

3 It is an invasive medical device disinfectant used for cleaning, thermochemical disinfection, decalcification, removal of inorganic and organic residues in hemodialysis devices, as well as the prevention of risks that may occur on behalf of patients.

4 Ingredients: Citric acid (Lemon acid) (21%), Lactic acid (2,5%), Malic acid (2,5%), buffers, preservatives and demineralised water.

5 Warning. Causes serious eye irritation. Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical advice/attention.

Product; should be stored in its original packaging, tightly closed, and in well-ventilated area at shade.

6 

7 

8  15°C - 25°C

9 

10 Rev. No: E-6106-05
Rev. Date: 10.10.2018 CE 1984

12 **MADE IN TURKEY**
GBL Göl Biyoloji Laboratuvarı Sanayi ve Ticaret Limited Şirketi
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14 LOT

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8 698619 761065

13 **REF 6106**

14 **LOT**

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**Hemodiyaliz Cihazı Dezenfektanı;
Sitrik Asit % 21**

Hemodiyaliz cihazlarında temizlik, termokimyasal dezenfeksiyon, dekalifikasyon, inorganik ve organik artıkların uzaklaştırılması, bununla birlikte hastalar adına oluşabilecek risklerin önlenmesi amacıyla kullanılan invaziv tıbbi cihaz dezenfektanıdır.

İçerik: Sitrik asit (Limon asidi) (%21), Laktik asit (%2,5), Malik asit (%2,5), tamponlar, preservative ve demineralize su.

Dikkat. Ciddi göz tahrişine yol açar. Koruyucu eldiven/koruyucu kıyafet/göz koruyucu/yüz koruyucu kullanın. GÖZ İLE TEMASI HALİNDE: Su ile birkaç dakika dikkatlice durulayın. Takılı ve yapması kolaysa, kontak lensleri çıkarın. Durulamaya devam edin. Göz tahrişi devam ederse: Tıbbi tavsiyeyi ardırm alınız.

Ürün; gölgede, orijinal ambalajında, ambalajı sıkı kapatılmış şekilde ve iyi havalandırılan ortamda muhafaza edilmelidir.

- ① Trademark
- ② Product Name
- ③ Intended Use
- ④ Ingredients
- ⑤ Hazards and Precautions
- ⑥ See User's Guide
- ⑦ Recycling Number
- ⑧ Storage Temperature
- ⑨ Shelf Life After First Opening
- ⑩ Revision Follow-up Information

- ⑪ Notified Body Number
- ⑫ Manufacturer Information
- ⑬ REF Number
- ⑭ Batch Number
- ⑮ Production Date
- ⑯ Expiration Date
- ⑰ Hazard Symbols
- ⑱ Product Volume
- ⑲ EAN Number

Our Technical Documents

Quality Management System: In our company, harmonized standards of 93/42/EEC, EN ISO 13485:2016, ISO 9001:2015 and ISO 22716:2007 (GMP) are applied with dedication. Risk management according to EN 14971:2016, clinical data evaluation, design, post market surveillance, customer satisfaction surveys, corrective and preventive actions, supplier evaluations are carried out periodically and actuality of these processes are checked periodically.

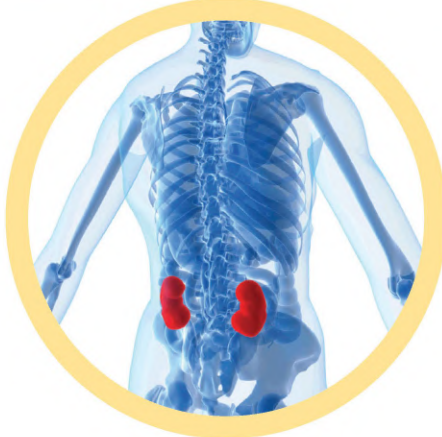
Technical Documents: Technical documents (IFU, risk analysis, clinical studies etc.) of Class IIa and Class IIb products according to 93/42/EEC are prepared by qualified personnel. Microbiological analyzes of the products are made and reported by accredited laboratories in the lights of current standards.

Certificate of Analysis: Certificates of analysis of GBL® products are available for each Batch No. Certificates of analysis include following information: product name, REF No, Batch No, Order No, production and expiration dates, description of the quality control tests (physical, chemical and microbiological analysis), units of measure, product specifications and test results for the specific Batch No.

Material Safety Data Sheet: Based on the new CLP classification system, GBL® products provide a material safety data sheet for each product in compliance with Article 31 of the REACH Regulation No. 1907/2006. All material safety data sheets are prepared by certified personnel by the accredited organization.

Packaging: Our products comply with the EC Regulation No. 1272/2008 and known as CLP (Classification, Labelling and Packaging).

HEMODIALYSIS MACHINE DISINFECTION



HEMODIALYSIS MACHINE DISINFECTION

GBL Gül Biyoloji Laboratuvarı offers a complete range of disinfectants for hemodialysis centers. We have been manufacturing disinfectants for hemodialysis machines for 20 years.

All processes (design, research and development, supply chain, production, quality control, marketing and sales, foreign trade, delivery chain) are managed and audited according to ISO 9001: 2015, EN ISO 13485: 2016 and ISO 22716: 2007 (GMP) management system standards. Moreover, strict quality control procedures, including tests of microbiological effectiveness according to European norms, are carried out in our laboratory.

Our canister mouth and cap are specially designed for hemodialysis machines adaptors (DIN 51).

Strong references for our products being used for many years in the Turkish and international market can be submitted upon request.

OUR TRADEMARKS

| | |
|--------------------------|--|
| CITRO PLUS | : Hemodialysis Machine Disinfectant; Citric Acid 21% |
| CITRO - GAM | : Hemodialysis Machine Disinfectant; Citric Acid 30% |
| CITRO - BRA | : Hemodialysis Machine Disinfectant; Citric Acid 50% |
| PEROXY PLUS LIGHT | : Hemodialysis Machine Disinfectant; Peracetic Acid 1,8% |
| PEROXY PLUS | : Hemodialysis Machine Disinfectant; Peracetic Acid 3,5% |
| PEROXY PLUS RP | : Cold Sterilant For Dialyzer Reprocessing |
| CITROTAL 100 | : Hemodialysis Machine Disinfectant; with Active Chlorinated |



6106 - CITRO PLUS

Hemodialysis Machine Disinfectant; Citric Acid 21%



INDICATION

Cleaning, thermochemical disinfection, decalcification, removal of inorganic and organic residues in hemodialysis machines.

COMPOSITION

Citric acid (21%), Lactic acid (2.5%), Malic acid (2.5%), buffers, preservatives and RO water.

MICROBIOLOGICAL PROPERTIES

Bactericide, fungicide, mycobactericide, virucide, sporicide.








PACKAGING

5 liter can with 51 mm cap

436106035000

INSTRUCTION

CITRO PLUS™ is a potent disinfectant solution because of its components synergistic effect. CITRO PLUS™ at 84°C has a broad spectrum of microbicidal activity. CITRO PLUS™ at 37°C decalcifies very effectively organic and inorganic residues. Product to be diluted 1/25 automatically by the machine. Please refer to the hemodialysis machine's "operating manual" for more details.

-  Dissolves blood residue.
-  Perfectly removes CaCO_3 .
-  Disinfection and decalcification in one process.
-  Biodegradable, non-toxic.
-  Active ingredients composed of natural substances.
-  Colorless; almost odorless.
-  Safe for health and environment.



6102 - CITRO-BRA

Hemodialysis Machine Disinfectant; Citric Acid 50%



INDICATION

Cleaning, thermochemical disinfection, decalcification, removal of inorganic and organic residues in hemodialysis devices. CITRO-BRA is a liquid concentrate for a highly efficient citro-thermal disinfection, cleaning and decalcification of dialysis machine.

COMPOSITION

Citric acid 50%, buffers, preservatives and RO water.

MICROBIOLOGICAL PROPERTIES

Bactericide, fungicide, mycobactericide, virucide, sporicide.

PACKAGING

5 liter can with 51 mm cap

436102035000

INSTRUCTION

CITRO-BRA at 83°C has a broad spectrum of microbicidal activity. The concentrate CITRO-BRA is used at 83°C in accordance with the machine manufacturer's instructions. Product to be diluted automatically by the machine. Please refer to the hemodialysis machine's "operating manual" for more details.

- Outstanding disinfectant activities.
- Dissolves blood residue. Perfectly removes CaCO_3 .
- Disinfection and decalcification in one process.
- Biodegradable, non-toxic.
- Safe for health and environment.
- Very high material compatibility.
- Economical: low concentrations and quantities enough.



6105 - CITRO-GAM

Hemodialysis Machine Disinfectant; Citric Acid 30%



INDICATION

Cleaning, thermochemical disinfection, decalcification, removal of inorganic and organic residues in hemodialysis devices. CITRO-GAM is a liquid concentrate for a highly efficient citro-thermal disinfection, cleaning and decalcification of dialysis machines.

COMPOSITION

Citric acid 30%, buffers, preservatives and RO water.

MICROBIOLOGICAL PROPERTIES

Bactericide, fungicide, mycobactericide, virucide, sporicide.








PACKAGING

5 liter can with 51 mm cap

436105035000

INSTRUCTION

CITRO-GAM has a broad spectrum of microbicidal activity. The concentrate CITRO-GAM should be used in accordance with the machine manufacturer's instructions. Product to be diluted automatically by the machine. Please refer to the hemodialysis machine's "operating manual" for more details.

-  Outstanding disinfectant activities.
-  Dissolves blood residue. Perfectly removes CaCO_3 .
-  Disinfection and decalcification in one process.
-  Biodegradable, non-toxic.
-  Safe for health and environment.
-  Very high material compatibility.
-  Economical: low concentrations and quantities enough.



6126 - PEROXY PLUS LIGHT

Hemodialysis Machine Disinfectant; Peracetic Acid 1,8%



INDICATION

PEROXY PLUS™ LIGHT is a disinfectant with its main ingredients of peracetic acid and hydrogen peroxide. It has fast disinfection rate, excellent disinfection power and cleaning power. It is environmentally friendly and completely biodegradable. It has long lasting removal power. PEROXY PLUS™ LIGHT is economical: reduces the consumption of electricity, water and time because no need to use extra chemicals. Last but not the least, PEROXY PLUS™ LIGHT is also convenient and safe for the users.

COMPOSITION

Peracetic acid solution (1,8%), hydrogen peroxide, acetic acid, stabilizing agents, corrosion inhibitors and RO water.

MICROBIOLOGICAL PROPERTIES

Bactericide, fungicide, mycobactericide, virucide, sporicide.

PACKAGING

5 liter can with 51 mm cap

436126045000

INSTRUCTION

PEROXY PLUS™ LIGHT is designed for hemodialysis machines which could use peracetic disinfectant. Hemodialysis machines can adjust the dilution ratio. The dilution ratio and cleaning period should be followed machine manual. Please refer to the hemodialysis machine's "operating manual" for more details. Do the residual test of peracetic acid with test strips after each disinfection session and confirm the result is less than 0.5 ppm. General recommended dilution rate is 1/20 - 1/35. Contact time is 30-60 minutes.

- Broad spectrum of microbiological activity at low concentrations and with a short exposure time.
- Biodegradable. Non-toxic decomposition.
- After using, easily removed by rinsing with water.
- The absence of PEROXY PLUS™ LIGHT must be detected by test strips to be sure that no residue is left behind.
- Safe for health and environment.



6123 - PEROXY PLUS

Hemodialysis Machine Disinfectant; Peracetic Acid 3,5%



INDICATION

Cold disinfectant for hemodialysis machines with proportional mixing system and recirculation function. PEROXY PLUS™ can also be used as cold disinfectant for water treatment devices and circuit pipes. PEROXY PLUS™ has a broad spectrum of microbiological activity at low concentrations and with a short exposure time.

COMPOSITION

Peracetic acid solution (3,5%), stabilizing agents, corrosion inhibitors and RO water.

MICROBIOLOGICAL PROPERTIES

Bactericide, fungicide, mycobactericide, virucide, sporicide.







PACKAGING

5 liter can with 51 mm cap

436123045000

INSTRUCTION

Mechanism of antimicrobial action: Damage of the cell wall through oxidation of membrane proteins, resulting in oxidation of liberated fatty acids, proteins, DNA, etc. Damage of the envelope of enveloped viruses as well as oxidation of the coat proteins. Product to be diluted 1/25 automatically by the machine. Please refer to the hemodialysis machine's "operating manual" for more details.

-  Broad spectrum of microbiological activity at low concentrations and with a short exposure time.
-  Biodegradable. Non-toxic decomposition.
-  Low pH easily achieves decalcification.
-  After using, easily removed by rinsing with water.
-  The absence of PEROXY PLUS™ must be detected by test strips to be sure that no residue is left behind.
-  Safe for health and environment.



6127 - PEROXY PLUS RP Cold Sterilant For Dialyzer Reprocessing



INDICATION

PEROXY PLUS™ RP is a mixture of peracetic acid, hydrogen peroxide and acetic acid. It is designed as a cold sterilant for dialyzer reprocessing machines. It cleans and disinfects dialysis equipment (e.g. kidney machines) and materials (e.g. port caps) for reusing hollow fiber type dialyzers. GBL PEROXY PLUS™ RP is a single solution which replaces formaldehyde, hydrogen peroxide, and/or bleach when used for dialyzer reprocessing. PEROXY PLUS™ RP leaves no toxic residues and after reacting with organic material, it decomposes into oxygen and acetic acid. This cold sterilant destroys viruses, bacteria, spores and fungi.

COMPOSITION

Peracetic acid solution (>5%), hydrogen peroxide, acetic acid, stabilizing agents, corrosion inhibitors and RO water.

MICROBIOLOGICAL PROPERTIES

Bactericide, fungicide, mycobactericide, virucide, sporicide.

PACKAGING

5 liter can with 51 mm cap

436127045000

INSTRUCTION

PEROXY PLUS™ RP is a cold sterilant that increases your reprocessing efficiency. It provides proven performance of cleaning and sterilization. It does not require manual dilution and uses minimal storage space. PEROXY PLUS™ RP and "automated reprocessing machine" combination requires no premixing, eliminating the possibility of human error during PEROXY PLUS™ RP usage. Just follow the simple installation instructions and you are ready to reprocess with PEROXY PLUS™ RP.

In case of you need help, please consult your technical service or supplier. Automatically diluted by the dialyzer reprocessor machine. Product can be diluted up to 1:100.

- Microbiological activity at low concentrations.
- Less storage spaces.
- No predilution. No labor and resources spent for predilution.
- Reduces reprocessing waste.
- Biodegradable. Non-toxic decomposition.
- Safe for health and environment.
- The absence of PEROXY PLUS™ RP must be detected by test strips to be sure that no residue is left behind.



6338 - CITROTAL 100

Hemodialysis Machine Disinfectant; with Active Chlorinated



INDICATION

CITROTAL™ 100 is a fast-acting cleansing agent for removal of biofilms in hemodialysis machines and in water distributing systems. It contains sodium hypochlorite which acts also antibacterial agent. Therefore, it is also a disinfectant. CITROTAL™ 100 reduces biofilms; cleans and degreases. CITROTAL™ 100 removes fast and safely obstinate contaminations like biofilms, algae, protein deposits and blood residues. Parts that are usually difficult to access can also be cleaned easily because of the strong cleansing power of CITROTAL™ 100. Mechanism of antimicrobial action: released chlorine reacts with organic substances (with the cell wall and cell proteins). In aqueous solutions hypochlorous acid (HOCl) is formed which has an oxidizing effect through the release of oxygen.

COMPOSITION

Sodium hypochlorite (%5 active chlorine), potassium hydroxide and RO water.

MICROBIOLOGICAL PROPERTIES

Bactericide, fungicide, mycobactericide.






PACKAGING

5 liter can with 51 mm cap

436338045000

INSTRUCTION

CITROTAL™ 100 is used as a cold disinfectant at 37°C and automatically diluted by the hemodialysis machine with a 1/35 ratio. High-flux dialysis treatments form organic deposits. A weekly cleaning procedure with the alkaline CITROTAL™ 100 is strongly advised to remove these organic residues. Filters can be treated approximately eleven times with CITROTAL™ 100 during their operating life cycle. CITROTAL™ 100 is aspirated with the acid concentrate hose. For the dosage of CITROTAL™ 100 follow the instructions provided by the machine manufacturer. To remove CITROTAL™ 100 after cleansing, rinse the hemodialysis machine with water until residues are no longer detected with test strips.

-  Cold disinfectant at 37°C.
-  Active chlorinated.
-  Fast acting alkali product.
-  Excellent cleaning effect.
-  Reduces biofilms, cleans and degreases.

SKIN AND HAND DISINFECTION



SKIN AND HAND DISINFECTION

In clinical routine, the human hand is the most important instrument to keep clean. Medical professionals who are continuously in contact with equipment and patients require adequate and ongoing antiseptic protection.

In most cases, nosocomial infections are transmitted via our hands. Therefore, hand hygiene is the most important preventative tool. Hand hygiene products have been designed and formulated to care for and protect the natural moisture of fragile skin. It is internationally agreed that alcohol-based disinfectants are the most efficient formula against pathogens transmitted by our hands. There are many studies proving that hydroalcoholic products decrease the MRSA level in hospitals. GBL Gül Biyoloji Laboratuvarı offers various skin and hand disinfectant for this most complex and important hygiene area.

OUR TRADEMARKS

MANOHEX SOAP : Disinfectant Liquid Soap; Chlorhexidine 4%

MANOCHOL EP-70 : Skin and Hand Disinfectant; Alcohol 70%

MANOGEL : Skin and hand disinfectant; Gel



6085 - MANOGEL

Skin and Hand Disinfectant; Gel



INDICATION

MANOGEL™ is a non-rinse hygienic hand rub. MANOGEL™ is recommended for hands that are lightly soiled. You will need neither water nor towels needed to eliminate cross contamination. You will feel great to use MANOGEL™ as a hygienic hand rub because it is skin friendly. MANOGEL™ is used undiluted to rapidly disinfect the hands. MANOGEL™ is easy and convenient to use.

COMPOSITION

Ethyl alcohol (60%), isopropyl alcohol (10%), emollients, other skin-care agents, excipients and RO water.

MICROBIOLOGICAL PROPERTIES

Hygienic Handwash: EN 1500. Surgical Handwash: EN 12791.

PACKAGING

| | |
|-----------------------------|--------------|
| 50 ml bottle with flip-top | 436085180050 |
| 100 ml bottle with flip-top | 436085190100 |
| 250 ml bottle with pump | 436085200250 |
| 500 ml bottle with pump | 436085210500 |
| 1 liter bottle with pump | 436085221000 |

INSTRUCTION

Hygienic hand disinfection; 3 ml/30 seconds Surgical hand disinfection; 6 ml/3 minutes. Use undiluted. Dispense enough MANOGEL™ to completely wet the surface of both hands. Allow to dry without wiping. For soiled hands, wash with MANOHEX™ SOAP before using.

- Increased skin compatibility; pH 5,50 SKIN FRIENDLY. Dermatologically tested.
- Hypoallergenic. Suitable for frequent use.
- Formulated for surgical and hygienic hand disinfection.
- No-rinse hygienic hand rub.
- Conforms to CEN standards; EN 13727, EN 1500 (3ml/30 seconds hygienic treatment) and EN 12791 (2x3ml/1,50 minutes surgical disinfection).
- Dosage and application time acc. to new DGHM guidelines; Hygienic hand disinfection 30 seconds, surgical hand disinfection 3 minutes.
- Very good efficacy; effective against bacteria (Tb, MRSA, VRE), fungi and viruses (incl. HBV, HCV, HIV, polio, herpes simplex, adeno, rota, noro and vaccinia).



6163 - MANOHEX SOAP

Disinfectant Liquid Soap; Chlorhexidine 4%



INDICATION

MANOHEX SOAP has been formulated to meet the standards of a surgical hand scrub in medical applications. MANOHEX SOAP is topical antiseptic solution. MANOHEX SOAP is suitable for surgical hand washing. MANOHEX SOAP is enriched with emollients and moisturizers.

COMPOSITION

Chlorhexidine gluconate 4%, surfactants, antioxidants, lubricants, moisturizers and RO water.

MICROBIOLOGICAL PROPERTIES

Hygienic Handwash: EN 1499. Surgical Handwash: EN 12791.






PACKAGING

500 ml bottle with pump
1 liter bottle with pump

436163210500
436163221000

INSTRUCTION

Hygienic hand disinfection; 3 ml/30 seconds.
Surgical hand disinfection; 6 ml/5 minutes.

-  Chlorhexidine based formula.
-  Strong antimicrobial activity.
-  Immediate, cumulative & residual activity.
-  Contains emollients & moisturizers for skin care.
-  Hypoallergenic.



6215 - MANOCHOL EP-70

Skin and Hand Disinfectant; Alcohol 70%

INDICATION

Alcohol-based hygienic treatment and surgical disinfection of hands. MANOCHOL EP-70 is used undiluted to rapidly disinfect the hands. MANOCHOL EP-70 is easy and convenient to use. MANOCHOL EP-70 is a popular choice if you prefer a liquid alcohol-based hand rub.

COMPOSITION

Ethyl alcohol (96%) 45%, isopropyl alcohol (25%), antioxidants, surfactants, lubricants, moisturizers and RO water.

MICROBIOLOGICAL PROPERTIES

hygienic hand disinfection; 30 seconds. Surgical hand disinfection; 3 minutes.

PACKAGING

| | |
|----------------------------|--------------|
| 50 ml bottle with flip-top | 436215180050 |
| 100 ml bottle with spray | 436215190100 |
| 250 ml bottle with spray | 436215200250 |
| 500 ml bottle with pump | 436215210500 |
| 1 liter bottle with pump | 436215221000 |



INSTRUCTION

Hygienic hand disinfection; 3 ml/30 seconds. Surgical hand disinfection; 6 ml/3 minutes. Use undiluted. Dispense enough MANOCHOL™ EP-70 to completely wet the surface of both hands.

- Increased skin compatibility; pH 5,50 SKIN FRIENDLY. Dermatologically tested.
- Formulated for surgical and hygienic hand disinfection.
- Very good efficacy; effective against bacteria (Tb, MRSA, VRE), fungi and viruses (incl. HBV, HCV, HIV, polio, herpes simplex, adeno, rota, noro and vaccinia).
- Hypoallergenic. Suitable for frequent use.
- Fast drying for quicker donning of gloves.
- Neither water nor towels needed to eliminate cross contamination.
- Meets CDC Guideline for Hand Hygiene in Healthcare Settings.
- Conforms to CEN standards; EN 13727, EN 1500 (3ml/30 seconds hygienic treatment) and EN 12791 (2x3ml/1,50 minutes surgical disinfection).
- Dosage and application time acc. to new DGHM guidelines; Hygienic hand disinfection 30 seconds, surgical hand disinfection 3 minutes.

CLEANING, PRE-DISINFECTION AND MAINTENANCE



CLEANING, MAINTENANCE AND PRE-DISINFECTION

Using a pre-disinfectant product (a detergent with disinfectant properties or vice versa) helps reduce the micro-organism population (bacteria, yeast, mold, virus and mycobacteria), during medical device treatment. Using a pre-disinfectant is necessary for improved disinfection activity. It helps to facilitate the disinfectant action of later sterilization and high-level disinfection steps. Moreover, using a pre-disinfectant product reduces cross-contamination risks ("instrument/instrument" direct contamination or "instrument/user/instrument" indirect contamination). Final benefit of using a pre-disinfectant product is that it reduces the risk of contaminated product disposal into the natural environment.

Our formulas reduce substances hazardous for humans and excludes the use of CMR (carcinogenic, mutagenic and reprotoxic) classified substances.

The combination of surfactants and enzymes makes far high-performance detergents.

GBL® branded products contain corrosion inhibitors, they are non-corrosive when used according to protocol. Protocols and posters are available on request.

OUR TRADEMARKS

| | |
|--------------------------------|--|
| WARECLEAN EC | : Enzymatic Cleaner; Concentrated |
| LIQUISEPT QAS CON | : Instrument Cleaner; Concentrated |
| WARECLEAN RC | : Rust, Blood and Stain Remover; Concentrated |
| LUBRISERVE | : Medico-Surgical Instrument Lubricator |
| LIQUISEPT ASPIRATION SA | : Concentrated Cleaner for Treatment of Aspiration Systems |
| LIQUISEPT PLUS | : Instrument Disinfectant Super Cleaner; Concentrated |
| WARECLEAN ALK | : Alkaline Cleaner |
| PURICIDE CR | : Cleaner for Lab Glassware |

6160 - WARECLEAN EC

Enzymatic Cleaner; Concentrated



INDICATION

Cleaning of medico-surgical instruments, medical devices, thermosensitive instruments and endoscopes.

COMPOSITION









Glycerol, isopropanol, ethanol 96% (2,5%), EDTA tetrasodium salt, urea, trisodium phosphate, linear alkyl benzene sulfonic acid, sodium lauryl ether sulphate, sodium hydroxide, enzymatic complex (protease, amylase, lipase), defoamer, RO water.

PACKAGING

| | |
|-----------------------|--------------|
| 500 ml dosing bottle | 436160140500 |
| 1 liter dosing bottle | 436160131000 |
| 5 liter can with pump | 436160025000 |

INSTRUCTION

Concentrated product. Dilute between 1/400-1/100. Immerse the instruments into a soaking tray filled with diluted, ready-to-use WARECLEAN EC. Wait for 5-15 minutes. Scrub the instruments gently with a soft brush. Rinse thoroughly with distilled water. Wipe thoroughly with absorbent cleaning pad.

-  High level detergency with 3 enzymes-based formula: protease, lipase, amylase.
-  Effective between 5-15 minutes.
-  Suitable for soaking baths and ultrasonic bins.
-  Broad material compatibility.
-  Free of chlorine, phenol and aldehyde.
-  Effective in all qualities of water.
-  Neutral pH at dilution of use.
-  Recommended with GBL® high-level disinfectants.



6018 - LIQUISEPT QAS CON

Instrument Cleaner; Concentrated



INDICATION

Cleaning and Pre-disinfection of medico-surgical instruments, medical devices, thermosensitive instruments and endoscopes. LIQUISEPT QAS CON is suitable for soaking baths, ultrasonic bins and automatic endoscope reprocessor. LIQUISEPT QAS CON is a high-level disinfectant while performing detergency.

COMPOSITION

Didecyl dimethyl ammonium chloride (6%), alkyl dimethyl benzyl ammonium chloride (5%), isopropanol (5%), detergents, chelating agents, defoamer, thickening agents, emulsion agents, enzymatic complex, buffers, corrosion inhibitors, stabilizing agents and RO water.

MICROBIOLOGICAL PROPERTIES







Bactericide, fungicide.

PACKAGING

| | |
|-----------------------|--------------|
| 500 ml dosing bottle | 436018140500 |
| 1 liter dosing bottle | 436018131000 |
| 5 liter can with pump | 436018025000 |

INSTRUCTION

Concentrated product. Dilute 1/100 with tap or distilled water. Immerse the instruments into a soaking tray filled with diluted, ready-to-use LIQUISEPT™ QAS CON. Wait for 15 minutes. Rinse with sterile RO water.

-  High level cleaning and disinfection .
-  Effective within 15 minutes.
-  Broad material compatibility.
-  Free of chlorine, phenol and aldehyde.
-  Effective in all qualities of water.
-  Neutral pH at dilution of use.

6170 - WARECLEAN RC

Rust, Blood and Stain Remover; Concentrated



INDICATION

WARECLEAN™ RC removes very well rust, blood, stains and corrosions on the medico surgical instruments. WARECLEAN RC eliminates rust pitting, protein traces, iron oxide and mineral deposits and other oxide stains.

COMPOSITION





Non-ionic detergents, auxiliary agents, preservative agents, antioxidant agents, stabilizing agents, defoamer and RO water.

PACKAGING

| | |
|-----------------------|--------------|
| 500 ml dosing bottle | 436170140500 |
| 1 liter dosing bottle | 436170131000 |
| 5 liter can with pump | 436170025000 |

INSTRUCTION

Concentrated product. Dilute 1/50 with tap or distilled water. Immerse the instruments into a soaking tray filled with diluted, ready-to-use WARECLEAN™ RC. Wait for 15-30 minutes. Brush the instruments with a gentle brush. Rinse thoroughly with RO water.

-  Non-corrosive.
-  Usable in ultrasonic bin.
-  Compatible with any quality of dilution water.
-  Effective between 15-30 minutes.



6130 - LUBRISERVE

Medico-Surgical Instrument Lubricator



INDICATION

LUBRISERVE is a non-sticky, non-toxic, silicone free mineral oil lubricant. LUBRISERVE forms a protective barrier on surgical instruments. LUBRISERVE protects from corrosion the precious medico-surgical instruments made of steel after cleaning and disinfection procedures. LUBRISERVE does not become gummy in autoclave high temperatures. LUBRISERVE™ prevents medico-surgical instruments made of steel from rusting, staining, spotting. LUBRISERVE™ helps to restore articulation joints. If you use routinely, LUBRISERVE will greatly reduce repair and replacement costs.

COMPOSITION

Liquid paraffin, preservative agents, butyl glycol.







PACKAGING

1 liter sprayer bottle

436130051000

INSTRUCTION

Spray onto the precious medico-surgical instruments joints after the cleaning and disinfection process. Ready to use product, do not dilute.

-  High-grade mineral oil lubricant and rust inhibitor.
-  Non-sticky, non-toxic and silicone free.
-  Prevents rust, spots, stains, and corrosion, prolonging the life of the instrument.
-  Prevents damage, reduces repair and replacement costs.
-  Steam penetrable, steam sterilizable.
-  Prolonged lifecycle and enhanced efficiency of instruments.

6818 - LIQUISEPT ASPIRATION SA

Concentrated Cleaner for Treatment of Aspiration Systems



INDICATION

Liquisept Aspiration SA is a concentrated disinfecting detergent solution for the daily treatment of all types of suction systems, amalgam separators and spittoons.






COMPOSITION

Didecyl dimethyl ammonium chloride (6%), alkyl dimethyl benzyl ammonium chloride (5%), isopropanol (5%), detergents, chelating agents, defoamer, thickening agents, emulsion agents, enzymatic complex (amylase, lipase, protease), buffers, corrosion inhibitors, stabilizing agents and lemon scent. Without aldehyde and phenol.

PACKAGING

| | |
|-----------------------|--------------|
| 500 ml dosing bottle | 436818140500 |
| 1 liter dosing bottle | 436818131000 |
| 5 liter can with pump | 436818025000 |

INSTRUCTION

-  Triple action – cleaning, disinfection and deodorizing
-  Excellent microbiological properties: Bactericide, Yeasticide and Fungicide.
-  Non-foaming
-  Contains detergents.
-  Very economical 1 % dilution – 1 liter provides 100 liters of in-use solution



6118 - LIQUISEPT PLUS

Instrument Disinfectant Super Cleaner; Concentrated



INDICATION

LIQUISEPT PLUS is designed for pre-disinfection of medico-surgical instruments, medical devices, thermosensitive instruments and endoscopic material in soaking trays, ultrasonic baths, automatic washing machines and washing tunnels. LIQUISEPT PLUS is a high-level disinfectant while performing detergency. LIQUISEPT PLUS, with its 5 enzymes (amylase, cellulase, lipase, mannanase and protease), It provides broad spectrum performance in all kinds of dirtiness.

COMPOSITION




Surfactants, sequestering agent, stabilizing agent, enzymatic complex (amylase, cellulase, lipase, mannanase, protease), excipients and RO water.

PACKAGING

| | |
|-----------------------|--------------|
| 500 ml dosing bottle | 436118140500 |
| 1 liter dosing bottle | 436118131000 |
| 5 liter can with pump | 436118025000 |

INSTRUCTION

Concentrated product. Dilute 1/200 with tap or distilled water. Immerse the instruments into a soaking tray filled with diluted, ready-to-use LIQUISEPT PLUS. Wait for 15 minutes. Rinse with sterile RO water.

-  Non-corrosive.
-  Enriched ingredient with 5 enzymes.
-  It provides broad spectrum performance in all kinds of dirtiness.

6450 - WARECLEAN ALK

Alkaline Cleaner



INDICATION

Alkaline Cleaner can be used in washing machines for the processing of suitable medical devices, including surgical instruments as well as in dip and ultrasonic baths. Residues of dried and denatured blood are reliably removed. A redeposition of protein residues is prevented.

COMPOSITION

Sodium hydroxide (<5%), anionic surfactants (<10%), enzymes, corrosion inhibitors and RO water.

PACKAGING

| | |
|-----------------------|--------------|
| 500 ml dosing bottle | 436450140500 |
| 1 liter dosing bottle | 436450131000 |
| 5 liter can with pump | 436450025000 |

INSTRUCTION

Alkaline Cleaner can be diluted from 1% to 50%. The dosing amounts depends on the respective field of application and the individual degree of contamination of the instruments to be reprocessed. Always follow manufacturer's directions for the particular washer being used. Do not add bleach, detergents or any other chemical to this product. Added chemical may destroy the effectiveness of this cleaner.

 Non-corrosive.



6145 - PURICIDE CR

Cleaner for Lab Glassware



INDICATION

Cleaner for glassware; concentrated. PURICIDE CR removes rust, stains, spotting and corrosion.

COMPOSITION

Dichromate salts 100 g/l, sulfuric acid 250 ml/l.

PACKAGING

1 liter sprayer bottle

436145051000

INSTRUCTION

Two methods can be used: Immersion or individual washing. Immersion method: Prepare a container with full of PURICIDE CR. Leave dirty lab glassware 2 hours. Then wash the glassware under the tap water. You can use the same PURICIDE CR until the colour of the solution becomes green. For big laboratory glassware, instead of immersion method, you can wash individually every glassware. Pour some PURICIDE CR inside the glassware, fill it with plenty of water. Wait until the stains and residues remove. Then wash it gently under the tap water.

HIGH LEVEL DISINFECTION



HIGH LEVEL DISINFECTION

Our products are developed in accordance with the latest scientific findings and legal requirements. Our focus is patient and personnel safety as well as long-term maintenance of the instruments.

GBL® branded instrument disinfection products meet the quality and efficacy requirements of the European Standards. Efficacy tests against relevant organisms are being performed periodically.

Increased demands on decontamination make material compatibility just as important as broad-spectrum disinfection efficiency. GBL Gül Biyoloji Laboratuvarı offers reliable preparations with short contact times. The entire GBL Gül Biyoloji Laboratuvarı product portfolio is developed to meet the most up-to-date scientific principles and meets all legal requirements.

OUR BRANDS

| | |
|--------------------------|--|
| SANITAROSA OPA | :Endoscope Disinfectant; Ortho-Phtalaldehyde 0,55% |
| PEROXY HLD | :Surgical Instrument Disinfectant; Peracetic Acid, Concentrated |
| SANITAROSA GA | :Surgical Instrument Disinfectant; Glutaraldehyde 2%, Active |
| SANITAROSA GA ACT | :Surgical Instrument Disinfectant; Glutaraldehyde 2%, with Activator |

6026 - SANITAROSA OPA

Endoscope Disinfectant; Ortho-Phtalaldehyde 0,55%



INDICATION

SANITAROSA OPA solution is a convenient, ready-to-use, high-level disinfectant that provides a broad-spectrum microbiological activity. It can disinfect a wide range of endoscopes and other heat sensitive semi-critical medical devices. SANITAROSA OPA solution is ideal for both automated and manual instrument reprocessing. Noncorrosive SANITAROSA OPA solution offers excellent material compatibility which can significantly reduce instrument damage and repair costs.

COMPOSITION

Ortho-Phtalaldehyde (0,55%), benzotriazole, buffers, antioxidant, stabilizing agents and RO water.

MICROBIOLOGICAL PROPERTIES

Bactericide, fungicide, mycobactericide, virucide, sporicide.

PACKAGING

5 liter can 436026025000

ACCESSORIES

REF No: 7002
OPA MEC Test Strips














REF No: 6218
OPA neutralizer



INSTRUCTION

Ready to use product. Do not dilute. 5-minute soak time at 25°C in automatic endoscope reprocessor and 12-minute soak time at 20°C for manual reprocessing. The ortho-phtalaldehyde level of SANITAROSA OPA can be detected easily by test strips.

-  Does not contain quaternary ammonium salts, chlorine, phenol.
-  Requires no activation and mixing.
-  Ideal for both automated and manual instrument reprocessing.
-  Works within minutes and provides broad spectrum killing power, even in the presence of human serum.
-  5-minute soak time at 25°C in automatic endoscope reprocessor.
-  12-minute soak time at 20°C for manual reprocessing.
-  Compatible with the most widely used endoscopes.
-  2-year unopened shelf-life; 90-day shelf life after opening the bottle.
-  Minimizes exposure to fumes, odor or irritation.
-  Safe for patients, healthcare professionals, and instruments.
-  Substantial reductions in instrument repair and replacement cost.



6128 - PEROXY™ HLD

Surgical Instrument Disinfectant; Peracetic Acid, Concentrated



INDICATION

PEROXY™ HLD is a high-level disinfectant / cold sterilant of surgical, medical, endoscopic, thermosensitive equipment and medical devices. PEROXY™ HLD has a broad spectrum of microbiological activity at low concentrations and with a short exposure time.

COMPOSITION

Peracetic acid solution (>5%), stabilizing agents, corrosion inhibitors and RO water.

MICROBIOLOGICAL PROPERTIES

Bactericide, fungicide, mycobactericide, virucide, sporicide.

PACKAGING

5 liter can with 51 mm cap

436128045000

ACCESSORIES

REF No: 7004
Peracetic Acid MEC Test Strips



INSTRUCTION

Mechanism of antimicrobial action: Damage of the cell wall through oxidation of membrane proteins, resulting in oxidation of liberated fatty acids, proteins, DNA, etc. Damage of the envelope of enveloped viruses as well as oxidation of the coat proteins. PEROXY™ HLD is a concentrated product. PEROXY™ HLD must be diluted 1/50 manually by the user. Immerse pre-cleaned (preferably with a product like WARECLEAN™ EC) devices into the soaking tray filled with diluted PEROXY™ HLD. Only after 5 minutes, take out the instruments from the soaking tray and rinse them thoroughly with sterile RO water. The peracetic acid level of PEROXY™ HLD can be detected by test strips.

- Concentrated stabilized peracetic acid.
- Does not contain quaternary ammonium salts, chlorine, phenol.
- To be diluted; economic and affordable.
- Very short exposure time; provides broad spectrum killing power within 5 minutes.
- Safe for environment.
- Biodegradable. Non-toxic decomposition.

6071 - SANITAROSA™ GA

Surgical Instrument Disinfectant; Glutaraldehyde 2%, Active



INDICATION

SANITAROSA™ GA is designed for high level disinfection of endoscopes, medical devices, medico-surgical and heat sensitive equipment. SANITAROSA™ GA has high material compatibility with medico-surgical instruments made of aluminum, brass, copper, stainless steel, plastics and elastomers.

COMPOSITION

Glutaraldehyde solution (2%), corrosion inhibitors and RO water.

MICROBIOLOGICAL PROPERTIES

Bactericide, fungicide, mycobactericide, sporicide.

PACKAGING

5 liter can

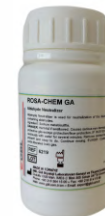
436071025000

ACCESSORIES

REF No: 7001
GA MEC Test Strips










REF No: 6219
GA neutralizer



INSTRUCTION

SANITAROSA™ GA is a ready to use product. Do not dilute. SANITAROSA™ GA does not require activation. Immerse pre-cleaned (preferably with a product like WARECLEAN™ EC) devices into the soaking tray filled with SANITAROSA™ GA. Only after 10 minutes (for sporicidal activity 3 hours), take out the instruments from the soaking tray and rinse them thoroughly with sterile RO water. The glutaraldehyde level of SANITAROSA™ GA can easily be detected by test strips.

-  Ready-to-use solution: absence of activator.
-  pH 6,0±0,4.
-  Active against bacteria, yeasts, moulds, viruses and mycobacteria in 10 minutes.
-  Active against spores of bacteria in 3 hours.
-  Stability of soaking bath: 14 days.
-  High material compatibility.
-  2-year unopened shelf-life; 90-day shelf life after opening the bottle.



6002 - SANITAROSA GA ACT

Surgical Instrument Disinfectant; Glutaraldehyde 2%, with Activator



INDICATION

SANITAROSA GA ACT is designed for high level disinfection of endoscopes, medical devices, surgical, medical and heat sensitive equipment. SANITAROSA GA ACT has high material compatibility with medico-surgical instruments made of aluminum, brass, copper, stainless steel, plastics and elastomers.

COMPOSITION

Glutaraldehyde solution (2%), corrosion inhibitors and RO water.

MICROBIOLOGICAL PROPERTIES

Bactericide, fungicide, mycobactericide, sporicide.

PACKAGING

5 liter can

436002025000

ACCESSORIES



REF No: 6016
Activator



REF No: 7001
GA MEC Test Strips



REF No: 6219
GA neutralizer

INSTRUCTION

SANITAROSA GA is a ready to use product after activation. Do not dilute. To activate SANITAROSA GA ACT, add 25 ml of glutaraldehyde activator (500 ml bottle, REF NO: 6016-500) for 1-liter disinfectant. Immerse pre-cleaned (preferably with a product like WARECLEAN EC) devices into the soaking tray filled with SANITAROSA GA ACT. Only after 10 minutes (for sporicidal activity 3 hours), take out the instruments from the soaking tray and rinse them thoroughly with sterile RO water. The glutaraldehyde level of SANITAROSA GA ACT can easily be detected by test strips.

- Ready-to-use solution after activation.
- pH 7,5-8,5 after activation.
- Active against bacteria, yeasts, moulds, viruses and mycobacteria in 10 minutes.
- Active against spores of bacteria in 3 hours.
- Stability of soaking bath: 14 days.
- High material compatibility.
- 2-year unopened shelf-life; 90-day shelf life after opening the bottle.

WALL HOLDERS FOR SKIN AND HAND DISINFECTANTS

4067- Stainless Steel Wall Holder; for 1 Liter Round Bottles



4070 - Plastic Wall Holder; for 1 Liter Square Bottles



4065 - Stainless Steel Wall Holder; for 500 ml Square Bottles

4066 - Stainless Steel Wall Holder; for 1 Liter Square Bottles



4069 - Plastic Wall Holder; for 1 Liter Pouch

PUMPS

4074- 1,5 ml Dosing Pump; for 500 ml, 1 Liter Round and Square Bottles



4073- 4 ml Dosing Pump; for 500 ml and 1 Liter Square Bottles with Stainless Steel Wall Holder



4072- 20 ml Dosing Pump; for Concentrated Products in 5 Liter Cans



SPRAYERS

4010 - Sprayer; for Ready-to-Use Surface Disinfectants in 1 Liter Round Bottle



4071- Foam Maker Sprayer; for Ready-to-Use Surface Disinfectants in 1 Liter Round Bottle



4081- Finger Sprayer; for Ready-to-Use Skin and Hand Disinfectants in 100 ml Bottle



FLIP-TOP CAP

4082 - Flip-top cap; for Ready-to-Use Skin and Hand Disinfectants in 100 ml Bottle



51 MM CAP OPENER

4083 - 5 Liter 51 mm cap opener





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