

DEFENDERS OF HEALTH SECURITY

医疗安全的捍卫者



HOSPITAL INFECTION CONTROL SYSTEM SOLUTION







医院感染
控制系统解决方案

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LIRCON 利尔康

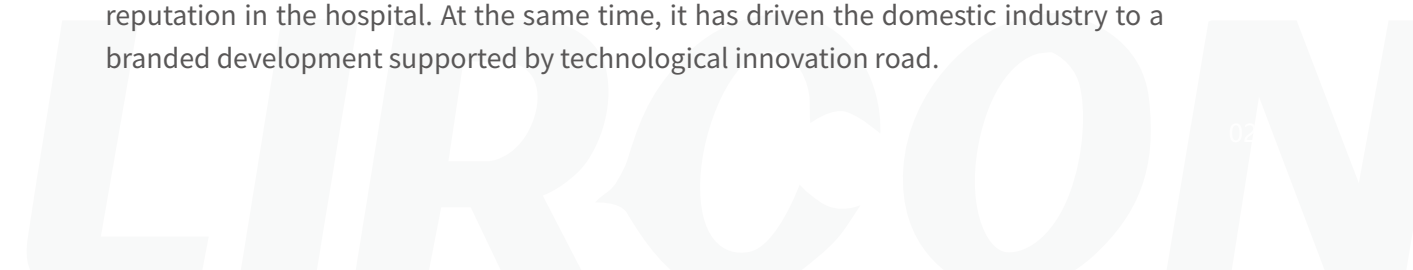
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Shandong LIRCON Medical Technology Co., Ltd. was established in 1997. It is an early professional research and development and manufacturing enterprise focusing on disinfection and related industries. It is also an early supplier of hospital sensor control system solutions. At present, the headquarters is located at No.1 Lierkang Road, Economic and Technological Development Zone, Dezhou City, Shandong Province, China. All key equipments of the headquarters production base have been automated. The important basic raw materials are provided by international and domestic well-known suppliers. Production scale and production capacity rank among the best in the domestic industry. In 2016, the company established a research and development center in Shanghai, together with the company headquarters research and development center to form a complete product development system.

The company has six series of nearly 200 varieties. It is used in many fields such as infection control, disease prevention, environmental disinfection, and prevention and control of major epidemics in hospitals at all levels. With the continuous development of the company's market, the company's products are now used in nearly a thousand Third-class hospital in China. At the same time, the company attaches great importance to the promotion of new technologies and new products in the clinic. It participates in more than 100 academic conferences every year, and has established a good reputation in the hospital. At the same time, it has driven the domestic industry to a branded development supported by technological innovation road.



Skin & Mucosa Disinfection

10% Povidone Iodine Solution (1% Available Iodine)

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Major Ingredients

Povidone Iodine : 9.0%-11.0%(W/V)

Features

- More disinfectant ingredients, higher disinfection, low irritation and easy to elute;
- Can be used directly on skin, mucous membranes and damaged skin, with a wide range of applications.



60ml*100

500ml*25



It could kill branches pathogens such as bacteria, viruses, phages, bacilli, protozoa, fungi



It is suitable for intact skin, mucosa and incision infections postoperatively disinfection, surface cleaning, etc.



Safe



Effective



Disinfection

Skin & Mucosa Disinfectant (5% Povidone Iodine)



【Major Ingredient】

Povidone Iodine : 4.5%-5.5%(W/V)

【Features】

- ⚙️ Rapid disinfection, continuous release of iodine ions, long-lasting antibacterial
- ⚙️ Wide range of disinfection, such as perineum, vagina, burn wounds, hot wounds, trauma wounds and oral mucosa, etc

60ml*100

500ml*25

Eriodine Skin Disinfectant



【Major Ingredient】

Available iodine : 2.4 g/L ± 0.24 g/L
Chlorhexidine acetate : 5.0 g/L ± 0.5 g/L
Alcohol : 65% ± 6% (V/V)

【Features】

- ⚙️ Complex of three ingredients for better disinfection
- ⚙️ 30s quick-drying, long-lasting antibacterial, light coloring
- ⚙️ First choice for skin disinfection and venipuncture disinfection before surgery

60ml*100

500ml*25

2% Povidone Iodine Solution (0.2% Available Iodine)



【Major Ingredient】

Povidone Iodine : 2.0%-2.2%(W/V)

【Features】

- ⚙️ Rapid disinfection, continuous release of iodine ions, long-term bacteriostasis, no irritation
- ⚙️ It can be used for disinfection of vagina, perineum, burns, scalds, wounds, oral mucosa and other parts

60ml*100

100ml*100

500ml*30

Eriodine Skin & Mucous Membrane Disinfectant Type II



【Major Ingredient】

Available iodine: 900 mg/L-1100 mg/L (W/V)

【Features】

- ⚙️ Low available iodine content, no irritation
- ⚙️ Suitable for newborn baby skin disinfection and mucosa disinfection

60ml*100

500ml*25

Eriodine Skin and Mucosa Disinfectant Type III



60ml*100 500ml*25

【Major Ingredient】

Available iodine 4.5 g/L-5.5 g/L (W/V) ,
Chlorhexidine gluconate 0.9 g/L-1.1 g/L(W/V).

【Features】

- ✿ New solution for mucosa disinfection, new experience of non feeling disinfection
- ✿ Synergistic sterilization, long-lasting antibacterial
- ✿ Suitable for skin and mucosa disinfection in various departments

Ethacridine Lactate Skin Cleansing Antibacterial Solution (Rivanol)



100ml*100 500ml*30

【Major Ingredient】

Ethacridine lactate : 0.22g/L \pm 0.022g/L (W/V)
Dodecyldimethylbenzyl ammonium chloride :
0.42g/L \pm 0.042g/L (W/V)

【Features】

- ✿ For rinsing, cleaning and sterilizing the entire skin surface.

2% Chlorhexidine Gluconate Disinfectant



30ml*100 60ml*100 500ml*25

【Major Ingredient】

Chlorhexidine gluconate : 1.80% -2.20% (W/ V)

【Features】

- ✿ Using biguanide materials, safe, non-toxic and no irritation
- ✿ Suitable for disinfection of preoperative bath and preoperative skin preparation area
- ✿ No staining after use

3% Hydrogen Peroxide Disinfectant



100ml*100 500ml*30

【Major Ingredient】

Hydrogen Peroxide : 2.7%-3.3% (W/V)

【Features】

- ✿ It can kill intestinal pathogens, pyogenic cocci, pathogen-ic yeasts and nosocomial infections
- ✿ Suitable for disinfection of surface and skin wounds

Disinfecting Medical Ultrasonic Coupling Agent



20g*360Pieces

【Major Ingredient】

Trichlorohydroxydiphenyl ether : 0.20%-0.30%

【Features】

- ✿ The operation is simple and the B-ultrasound imaging is clearer
- ✿ Avoid cross infection in ultrasonic examination, excellent performance and good disinfection effect

Isotonic Rinsing Solution



3000ml*4

【Major Ingredient】

This product is a sterile aqueous solution of sodium chloride. The content of sodium chloride is: 900mg of sodium chloride per 100ml of isotonic washing solution

【Features】

- ✿ Production in purification workshop and strict micropore detection
- ✿ Good quality, mainly used for washing the skin, mucous membrane and urinary tract

Cetylpyridinium Chloride Antibacterial Gargle



250ml*50

【Major Ingredient】

Cetylpyridinium Chloride 0.08% ± 0.12% (w/v)

【Features】

- ✿ Oral sputum, daily mouthwash
- ✿ Cetylpyridinium chloride is the main bactericidal ingredient, which has comfortable taste and remarkable antibacterial effect, and effectively prevents oral diseases such as oral ulcers
- ✿ Unique mint flavor, while sterilizing, keep fresh breath for a long time
- ✿ Effectively remove plaque, prevent yellow teeth, insect teeth



Hand Hygiene Disinfection

Surgical Instant Hand Sanitizer Gel Type II

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● Wash hands

Medical staff uses running water and hand sanitizer (soap) to remove dirt, debris and some microorganisms from the skin of the hands.

● Sanitary hand disinfection

Medical staff rubs hands with disinfectant to reduce hand transient bacteria.

● Surgical hand disinfection

The medical staff uses the running water and hand sanitizer to rub hands and forearm to lower 1/3 of upper arm, and then uses hand disinfectant to remove or kill transient bacteria, and reduces habitat bacteria of hands and forearm to lower 1/3 of upper arm before surgery.



60ml*100

248ml*40

500ml*25

Major Ingredients

Ethanol :75% ± 7.5% (V/V)

Features

- ✿ Food-grade alcohol raw materials, low irritation;
- ✿ Quick-drying in 30s, improve clinical efficiency;
- ✿ Add skin care factor to disinfect and protect user's hands.

Surgical Instant Hand Sanitizer Gel



【Major Ingredients】

Ethanol : 60% ± 6% (V/V)
CHG: 1% ± 0.1% (W/W)

【Features】

- High stability and good sterilization effect
- Long-lasting bacteriostasis, delicate and gentle
- Best choice for operating room

60g*100

248ml*40

500ml*25

1L*12

Compound Alcohol Instant Hand Sanitizer Gel



【Major Ingredient】

Ethanol : 60% ± 6% (V/V)
N-propanol : 10% ± 1% (V/V)

【Features】

- Compound ingredients, synergistic sterilization, it has unique sterilization effect for high-risk environment
- Wash-free, quick-drying in 30s
- Suitable for various departments, easy to operate
- Equipped with liquid dispenser, more convenient to use

60g*100

248ml*40

500ml*25

1L*12

Surgical Instant Hand Sanitizer Gel Skin-Care Type



【Major Ingredients】

Ethanol: 66% ± 6.6% (V/V)
CHG: 1g/kg ± 0.1g/kg (W/W)

【Features】

- Add natural skin care factors, delicate and gentle;
- Quick-drying in 30s, long-lasting bacteriostasis.

60ml*100

248ml*40

500ml*25

Quick-drying Instant Skin Disinfectant



【Major Ingredients】

Ethanol : 70% ± 7% (V/V)
CHG : 0.5% ± 0.05% (W/V)

【Features】

- Rapid drying
- The long-acting bacteriostatic time is up to 6-8 hours
- It can kill intestinal pathogenic bacteria, pyogenic cocci, pathogenic yeasts and common bacteria of nosocomial infection, and inactivate coronavirus (HCoV-229E)
- After opening, the service life is 90 days

85ml*100

100ml*100

248ml*40

500ml*25

1L*12

Alcohol-free Instant Hand Sanitizer

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Major Ingredients

Polyhexamethylene biguanide hydrochloride :
0.5%±0.05% (w/w)

Features

- ✿ High stability and good disinfection effect
- ✿ Spray design, comfortable handle
- ✿ Neutral formula with little irritation
- ✿ The best choice for medical staff and patients with alcohol allergy
- ✿ After opening, the service life is 90 days

85ml*100 100ml*100 248ml*40 500ml*25 1L*12



Dedicated Hand Disinfectant



【Major Ingredients】

Ethanol : 80%±5% (V/V)
Hydrogen peroxide : 0.13%±0.013% (W/V)

【Features】

- ✿ Inactivate adenovirus, enterovirus, etc. within 1 minute
- ✿ Quick-drying in 20 seconds, refreshing feel
- ✿ Hand disinfectant sanitizer for viruses

85ml*100 100ml*100 248ml*40 500ml*25 1L*12

Benzalkonium Bromide Alcohol Disinfectant



【Major Ingredients】

Benzalkonium bromide: 0.1%±0.01% (W/V)
Alcohol: 70%±7% (V/V)

【Features】

- ✿ Contains unique skin care factors, moisturizes and cares the skin
- ✿ Strong sterilization effect and fast penetration

85ml*100 100ml*100 248ml*40 500ml*25 1L*12

Natural Soap Solution



248ml*40

500ml*25

1L*15

【Major Ingredients】

Pure natural plant saponifiers, etc

【Features】

- High-tech phosphorus-free formula, contain natural skin care factor
- Delicate foam, easy to rinse, high efficiency sterilization without residue, strong decontamination
- No added fragrances and preservatives
- It is suitable for daily skin cleaning and first hand washing in surgery

Plant Sterilizing Hand Liquid Soap



500ml*25

【Features】

- Add natural plant cleansing and skin care ingredients, such as vitamin B5 and sodium lauryl ether sulfate, which are safe, hygienic, mild and non irritating
- Add sterilizing factor to clean and sterilize in one step
- Easy to use. After washing your hands, take an appropriate amount of soap, rub it fully, and rinse it with clean water

Antibacterial Hand Sanitizer



248ml*40

500ml*25

1L*15

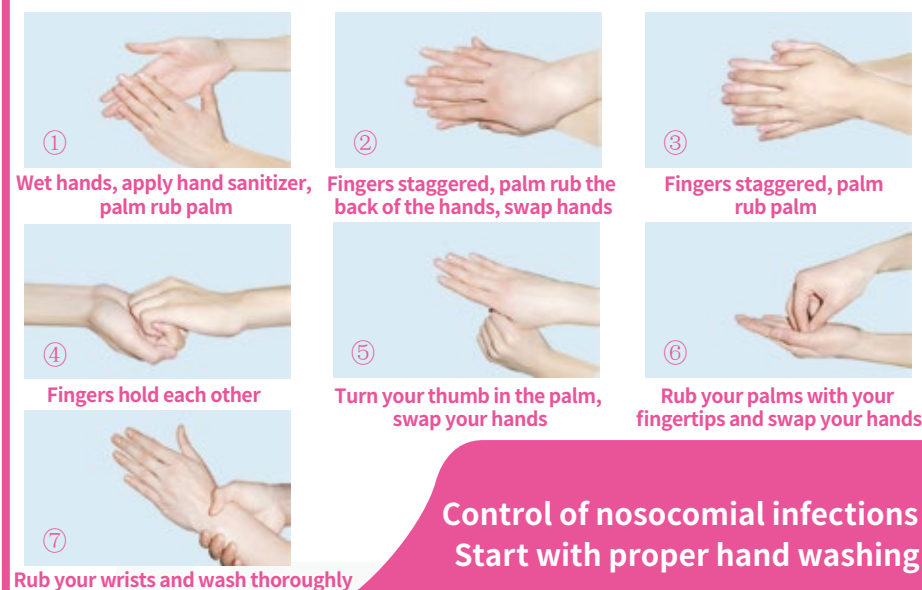
【Major Ingredient】

P-chloro-m-xyleneol : 0.3%±0.03%(W/W)

【Features】

- Strong decontamination and mild nature
- Delicate foam, easy to rinse and protect skin.
- The hand has the effect of pre disinfection

Seven-Step Hand-Washing Method



Control of nosocomial infections
Start with proper hand washing

Endoscope Cleaning & Disinfection

OPA O-phthalaldehyde Disinfectant ircon

Major Ingredients

O-Phthalaldehyde (OPA) 0.50%-0.60% (W/V)

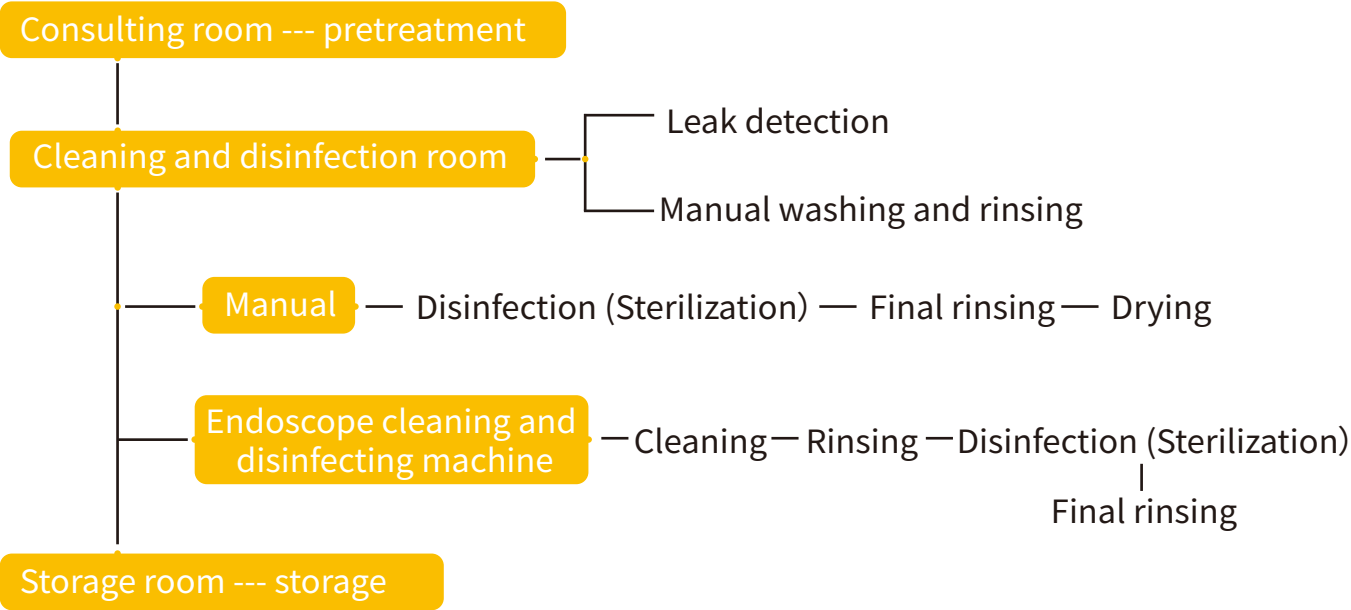
Features

- Efficient: 5 minutes high-level disinfection
- Safety: Practically non-toxic, no OSHA (Occupational Safety and Health Standard) allowable exposure limit requirements
- Stability: Use of stock solution, continuous use for 14 days and disinfection 210 times
- Wide application: Through reasonable formulation, it can not only be used for endoscope disinfection, and it can also be used for high-level disinfection of medical devices
- Professional o-benzene gray stain removal program



2.5L*6 4L*4 5L*3

Soft endoscope cleaning and disinfection process



2% Potentiated Glutaraldehyde Disinfectant



2.5L*6

4L*4

5L*3

【Major Ingredients】

Glutaraldehyde : 2.2%±0.2%(w/v)

【Features】

- Stable in nature, can be used continuously for 14 days
- Add PE to lock glutaraldehyde molecules and reduce irritation to the respiratory tract
- Add special defoamer to eliminate bubbles, suitable for machine use

Peracetic Acid Disinfectant



2.5L*6

4L*4

5L*3

【Major Ingredients】

Peracetic acid : 0.24%±0.036% (W/V)

【Features】

- High efficiency: 5 minutes of high water disinfection and 10 minutes of sterilization
- PH: PH 6.84, low odor
- Stability: high level disinfection for 14 days and sterilization for 7 days
- Safety & Environmental Protection: the decomposition products are water and carbon dioxide, non-toxic

Multi-Enzyme Cleaning Solution (Low Foam Type)

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Major Ingredients

Neutral proteolytic enzyme, Lipase, Amylase, Cellulase

Features

- Neutral protein hydrolase, lipase, amylase, cellulase and other multi enzyme complex, with mild effect
- It is fast and convenient, and pollutants can be quickly decomposed in 2 minutes
- No volatile organic matter, no phosphate, biodegradable, in line with ecological standards
- It has no corrosion and aging effect on all kinds of precision instruments and medical devices

Hand wash: 1: 100-1: 300

Machine wash: 1: 200-1: 400



600ml*20

1L*15

2.5L*3

4L*4

5L*3

Multi-Enzyme Cleaning Solution



【Major Ingredients】

Neutral proteolytic enzyme, Lipase, Amylase, Cellulase

【Features】

- Multiple enzyme complexes, fast and convenient
- Super concentrated, easy to clean
- Non-corrosive, mild action
- No volatile organic compounds, compound ecological standard

Hand wash: 1: 100-1: 300

600ml*20

1L*15

2.5L*3

4L*4

5L*3

Multi-Enzyme Cleaning Solution (No Foam Type)



【Major Ingredients】

Neutral protein hydrolase, lipase, amylase, cellulase, etc

【Features】

- Multi enzyme complex, fast and convenient
- Bubble free and easy to clean
- No corrosion, mild action
- There is no volatile organic matter and meets the ecological standard

Hand wash: 1: 100-1: 300

Machine wash: 1: 200-1: 400

600ml*20

1L*15

2.5L*3

4L*4

5L*3

Multi-Enzyme Cleaning Wipes



【Features】

- A variety of imported enzymes combined with non-woven fabrics, good cleaning effect, no flocking
- Sufficient liquid volume to avoid incomplete cleaning caused by complex organic environment
- Ready to use, easy to operate and improve clinical efficiency

60 Pre-Saturated Wipes*30

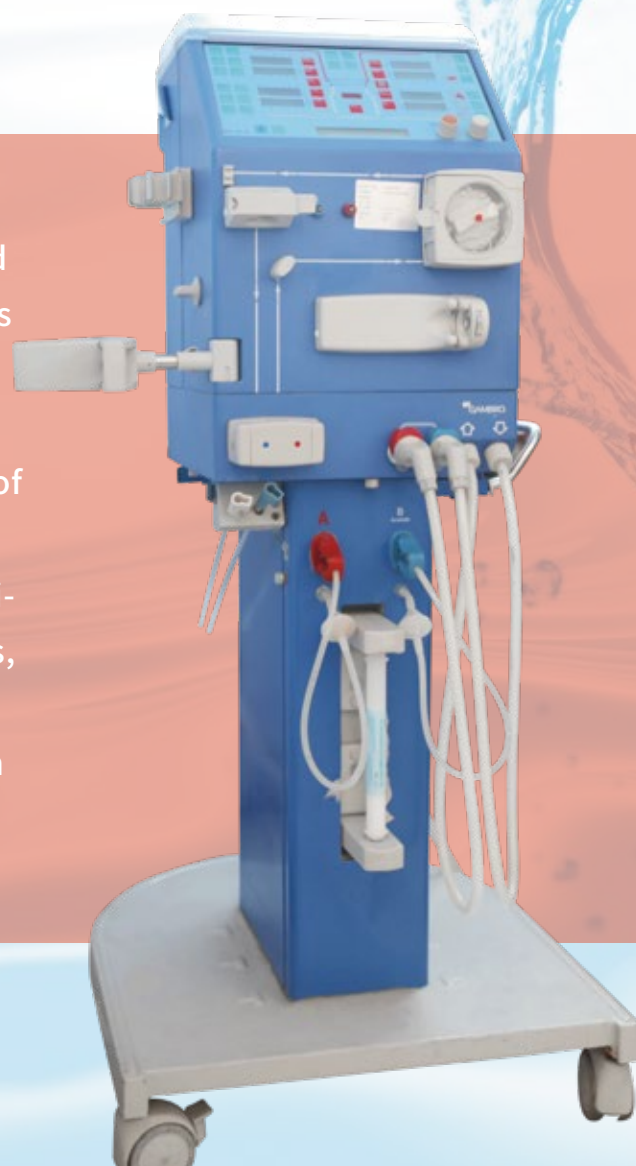


Hemodialysis Machine Disinfection

20% / 50% Citric Acid Disinfectant ircon

For Hemodialysis Machine

- Over the past decade, Lircon has been committed to the research and development of new products related to hemodialysis, and has adhered to the key development direction of hemodialysis care and disinfection consumables, covering all links of hemodialysis care and disinfection.
- Lircon hemodialysis Division has five series: medical device series, hemodialysis disinfection series, object surface disinfection series, effective concentration detection series and residue detection series.



2.5L*6

5L*3

Major Ingredients

Category: 20%/25%/50%
Net content: 5L

Features

- This product uses a special dust cover to prevent cross infection.
- This product is a compound citric acid disinfectant, which can effectively inactivate poliovirus and inactivate hepatitis B and hepatitis C virus. It has good function of decalcification and derusting.

High Concentration Peracetic Acid Disinfectant



2.5L*6

5L*3

【Major Ingredients】

Peracetic Acid : 15% ± 2.25% (W/V)

【Features】

- It has super cleaning ability and calcium removal effect
- Does not contain any surfactant, Biodegradable, no harmful residue, low toxicity
- Quickly kill pyogenic cocci, intestinal pathogens, pathogenic yeasts, common bacteria and bacterial spores of nosocomial infection at low temperature
- It can effectively remove the formed biofilm and achieve good disinfection effect



Sodium Hypochlorite Disinfectant For Hemodialysis Machine



2.5L*6

5L*3

【Major Ingredients】

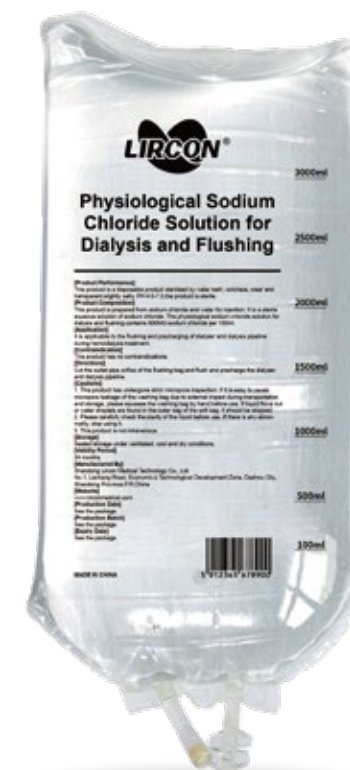
Sodium Hypochlorite

Effective Chlorine Content : 37g/L-49g/L

【Features】

- Chemical cold disinfection, short disinfection time.
- This product can effectively remove organic substances such as fat and protein.
- This product has a shelf life of up to 12 months and its performance is stable and reliable.

Physiological Sodium Chloride Solution for Dialysis and Flushing



3000L*4

【Major Ingredients】

This product is a disposable product sterilized by water bath, colorless, clear and transparent, slightly salty, PH 4.5-7.0, the product is sterile.

【Features】

- Packed in 1000ml, suitable for each dialysis patient Wash twice before and after, avoiding the replacement of the flushing fluid in the middle Flushing pipeline contamination, greatly reducing the risk of nosocomial infection
- Double-layer aseptic packaging, sterilized by water bath to ensure production Product safety;
- Pre-flushing, whether using high-throughput or low-throughput The separator can completely remove impurities such as air inside it. Ensure the safety of the dialysis process and reduce the dialysis treatment of patients Risk of infection.



Environment
Cleaning & Disinfection

Disposable Medical
Disinfection Wipes
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Major Ingredients

Compound double-chain quaternary ammonium salt :
1.85±0.185g/L(W/V)



80 Pre-Saturated Wipes*24

Features

- Easy to use, one towel and one use to avoid cross infection
- Broad bactericidal spectrum, lasting bacteriostasis
- Colorless, odorless, non-irritating
- Ultra-low corrosion
- Excellent dirt cleaning effect
- Can be used for cleaning and sterilizing of ultrasonic probes and slit lamps

Quality audit standard for environmental
cleanliness and sanitary in healthcare

Risk grade	Management grade of cleanliness and sanitary	Visual inspection method	Audit standard			
			Chemical method			Microbiological method
			Fluorescent labeling method	Phosphor trace method	ATP method	
Low risk area	Clean grade	Neat and clean, no dust, no debris, no odor, etc.	no request	no request	no request	no request
Medium risk area	Sanitary grade	Neat and clean, no dirt, no stains, no odor, etc.	It is used in quality spot check, no fluorescence trace	It is used in quality spot check, no fluorescence powder diffusion	It is used in quality spot check, qualified results are judged according to the product regulations	Total bacterial colonies ≤10 CFU / cm or natural bacteria reduce by more than 1 logarithmic value
High risk area	Disinfection grade	Neat and clean, no dirt, no stains, no odor, etc.	It is used in quality spot check, no fluorescence trace	It is used in quality spot check, no fluorescence powder diffusion	It is used in quality spot check, qualified results are judged according to the product regulations	It is Judged by different environmental categories

Compound Alcohol Disinfection Wipes

【Major Ingredients】

Compound double-chain quaternary ammonium salt $1.85\text{g/L} \pm 0.185\text{g/L}$, Ethanol $50\% \pm 5\%$ (V/V).

【Features】

- Reach medium disinfection level.
- Fast drying speed, especially suitable for disinfection of object surface in departments with fast turnover speed and large flow of people in medical institutions and indaily life.
- It can kill intestinal pathogenic bacteria, pyogenic cocci,-pathogenic yeasts, common bacteria of nosocomial infection, Acinetobacter baumannii, Klebsiella pneumoniae, MRSA and mycobacteria.



80 Pre-Saturated Wipes*24

Hydrogen Peroxide Disinfection Wipes

【Major Ingredients】

Hydrogen Peroxide : $6.0\text{ g/L} \pm 0.9\text{g/L}$

【Features】

- It is convenient, safe and environment-friendly. Cleaning and disinfection can be completed in one step. It can be safely used on the object surface of ward and crowd gathering point
- It can be used for cleaning and disinfection of nursery institutions, elderly care institutions, diagnosis and treatment places, medical equipment, medical supplies and other object surfaces
- It can kill intestinal pathogenic bacteria, pyogenic cocci, pathogenic yeasts, common bacteria of nosocomial infection, mycobacteria and inactivatable viruses.



60 Pre-Saturated Wipes*24

Complexation Chlorine Disinfection Wipes

【Major Ingredients】

Effective Chlorine $0.55\% \pm 0.08\%$ (W/V)

【Features】

- Achieve a high level of disinfection.
- It is suitable for wiping and disinfecting the surface of medical equipment, medical supplies and other articles.
- It can kill intestinal pathogenic bacteria, pyogenic cocci, pathogenic yeasts, common bacteria of nosocomial infection, mycobacteria and bacterial spores, and inactivate viruses.



80 Pre-Saturated Wipe*24

40 Pre-Saturated Wipe*30

Compound Double-Strand Quaternary Ammonium Salt Disinfectant

【Major Ingredients】

BIS decyl dimethyl ammonium chloride and octyl decyl dimethyl ammonium chloride, quaternary ammonium salt, active substance content $1.85 \pm 0.185\text{g/L(W/V)}$

【Features】

- Tasteless, non-toxic, non-corrosive, safe and environmentally friendly
- It can also be used for air disinfection
- Easy to use, wipe or spray with stock solution



250ml*60

450ml*24

Effervescent Disinfection Tablets Type II



100 Tablets*100

【Major Ingredients】

Trichloroisocyanuric acid 1.25g/piece
Available Chlorine : 500±50mg/piece

【Features】

- Easy storage
- Fast dissolution and convenient use
- The content is clear and easy to configure
- It can kill intestinal pathogenic bacteria, pyogenic cocci, bacterial spores and inactivate viruses

Sodium Dichloroisoxurate Disinfection Powder



10 Bags

【Major Ingredients】

Sodium dichloroisoxurate 55% - 64% (W/W)

【Features】

- Organic chlorine with high stability. Aqueous solution tends to be neutral and low irritation.
- It is safe and widely used. It can be used for surface disinfection of general objects in hospitals, hotels, cinemas, schools, families and other public places and disinfection of pollutants in swimming pools, hospital sewage, baths, fruits and vegetables, fabrics, epidemic foci and hospitals.
- Highly concentrated particles, convenient storage and transportation.

Chlorine Dioxide Disinfection Tablets



100 Tablets*100

【Major Ingredients】

Chlorine Dioxide : 7.2%-8.8% (W/W)

【Features】

- Rapid decomposition and efficient sterilization
- Widely used and simple proportioning
- Good stability, low odor
- It can kill intestinal pathogenic bacteria, pyogenic cocci, pathogenic yeasts and bacterial spores

84 Sodium Hypochlorite Disinfectant



500ml*30

5L*4

【Major Ingredients】

Sodium hypochlorite 4.3%±0.6% (W/V)

【Features】

- It contains sodium hypochlorite, various surfactants and additives, with good sterilization and washing effect
- The content of active ingredients is stable and the shelf life is long
- Strict product quality control system can ensure the content of effective components of products

75% Alcohol Disinfection

75% Alcohol Disinfectant

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Major Ingredients

Ethanol : 75%±5%(V/V)

Features

- Food grade alcohol made from pure grain is safer;
- High purity, less mellow alcohol, pure alcohol taste, little irritation;
- Can be used for disinfection of intact skin, but also for general surface and toy disinfection.

- Kill 99.99% of bacteria
- Efficient and intact skin disinfection
- Article cleaning



60ml*120	60ml*100
100ml*100	250ml*40
500ml*30	500ml*25
1L*15	2.5L*8
5L*4	