SARS-CoV-2 Outbreak Prevention Products

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About WEGO and Equinox

WEGO group leads the premium medical device sector in China EQUIN X

The Weigao Group was established in 1988, and has since become one of the top medical device manufacturers in China.

Total workforce of 23,000, and 100,000 hectares of manufacturing facilities, based in Weihai, Shandong Province.

Dedicated staff of 10,000 involved in the production and sales of branded disposable medical devices.



Dominant local providers, emergent international players

- WEGO products have been registered in over 60 countries, with major launches in 2017 in the US, 2018 in Europe.
- WEGO is dedicated to innovation and reinvests almost 10% of all profits into R&D driving global growth.
- EQUINOX launched the WEGO brand in Australia and New Zealand in 2019, introducing high-quality orthopaedic devices for trauma and spinal surgery.
- EQUINOX is the exclusive distribution partner and is driving the expansion of the WEGO offering to encompass its full product offering.



Manufacturing Excellence - ISO & FDA Compliant Facilities

WEGO has state-of-the-art manufacturing facilities, built to exceed the highest European and US standards:

- Chinese Standard: GB19082-2009
- European standard: EN14126- Level 4 (liquid barrier performance level II or above).
- Internationally recognised leader in medical device manufacturing,
- Reputation for uncompromising quality of materials and design,
- Highest-grade medical grade materials, sourced with strict supplier controls,
- Every device and instrument undergoes rigorous quality checks using the latest testing equipment and procedures.









CE certification on ETO sterilization for medical devices

EQUIN

WEGO is one of few manufacturers in China that has capability of adopting ETO sterilization using ethylene oxide processes.

This means that the WEGO sterilized products won't be corroded and can be wraped and completely package to keep them sterile.

- ETO sterilization can kill all microorganisms, including spores, bacteria & viruses
- The sterilized articles can be wrapped and packaged together to keep them sterile before use.
- ETO sterilization does not corrode plastics, metals or rubber, and does not cause items to turn yellow and brittle
- Ethylene oxide can sterilize items with irregular shapes and complex structures



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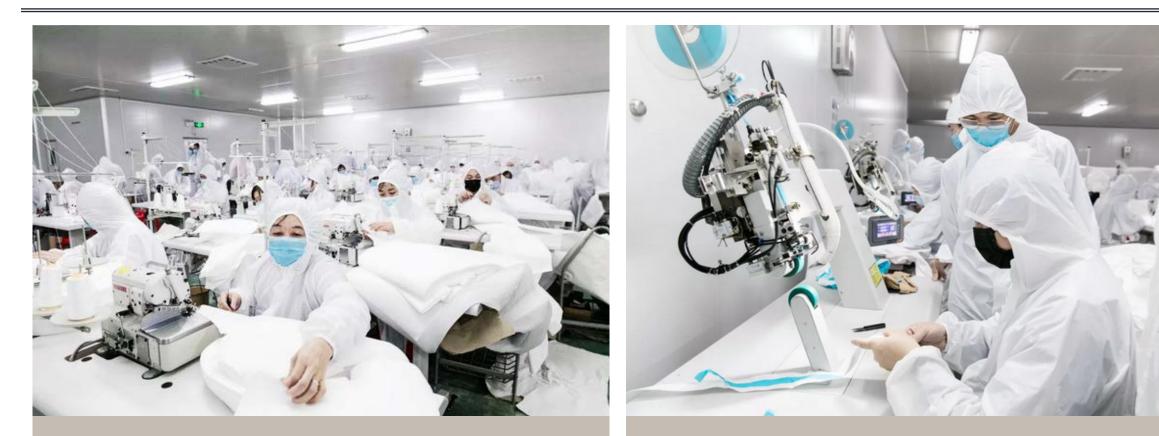
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ERTI



Class 100,000 Purification Workshop





Workshop Production Site

Specialized Production Equipment



Equinox Orthopaedic Pty Ltd

CE Mark certification for single used medical devices

EQUIN X

- Ethylene oxide can kill all microorganisms, including spores, bacteria, viruses, etc.
- The sterilized articles can be wrapped and packaged as a whole to keep them sterile before use.
- Ethylene oxide does not corrode plastics, metals or rubber, and does not cause items to turn yellow and brittle
- Ethylene oxide can sterilize items with irregular shapes and complex structures





Equinox Orthopaedic Pty Ltd

+ CERTIFICATION





+ CERTIFICATION

中华人民共和国医疗器械注册证

注册证编号: 鲁械注准 20202140135

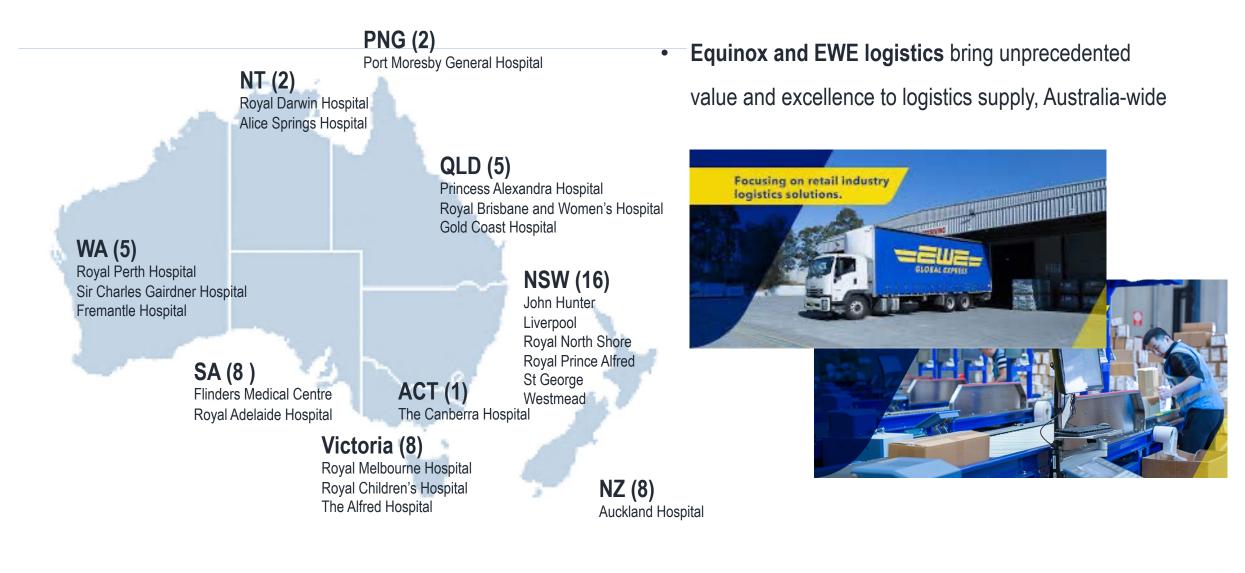
注册人名称	威海威高医用材料有限公司			
注册人住所	山东省威海火炬高技术产业开发区兴山路18号			
生产地址	山东省威海市旅游度假区东鑫路 30 号			
代理人名称				
代理人住所				
产品名称	医用一次性防护服			
型号、规格	A-S、A-M、 A-L、 A-XL、 A-XXL、A-XXXL; B-S、 B-M、 B-XL、 B-XXL、 B-XXL;			
结构及组成	采用聚丙烯纺粘覆 PE 膜非织造布材料制成,结构为连体 式,由连帽上衣、裤子、脚套(可选配)组成,袖口、脚 踝口、脚套口为弹性收口,帽子面部收口及腰部收口采用 弹性收口。			
适用范围	供临床医务人员在工作时接触到的具有潜在感染性的患 血液、体液、分泌物等提供阻隔、防护用。			
附件	产品技术要求: 鲁械注准 20202140135			
其他内容				
备注	疫情急需,应急审评审批,核发注册证后三个月内需补充 完善产品的全性能检验报告、生物学试验报告、灭菌验证、 效期验证、包装及包装完整性 验证资料 。			
审批部门:山东	省药品监督管理局 批准日何,2020年02月03日 有效規定,2021年02月05日 (本先年)日重章			

	备案号: 鲁威城备 20200006 号
备業人名称	威海威高医用材料有限公司
备案人组织机构 代码	913710007372079036
备案人注册地址	山东省威海火炬高技术产业开发区兴山路18号
生产地址	山东省威海市旅游度假区东鑫路 30 号
代理人	/ (进口医疗器械适用)
代理人注册地址	/ (进口医疗器械适用)
产品名称	隔离衣
型号/规格	型号: A 型、B 型、C-I 型、C-2 型、C-3 型、C-4 型; 規格: S、 M、L、XL、XXL、XXL
产品描述	采用 PP 非叙遗布或 PP 非叙遗布+PE 膜为主要原料,经载剪、舖 切刺成。非无當提供,一次性使用。
预期用途	用于医疗机构门诊、痢房、检验室等作普通隔离。
备注	/
备素单位 和日期	成湖市市场监督管理所 备来日期: 2027, 陳紀: 開發
变更情况	1

中华人民共和国医疗器械注册证

注册人名称	威海威高医用材料有限公司			
注册人住所	山东省威海火炬高技术产业开发区兴山路18号			
生产地址	山东省威海市旅游度假区东鑫路 30 号			
代理人名称	("进口医疗器械适用")			
代理人住所	("进口医疗器械适用")			
产品名称	一次性使用手术衣			
型号、规格	型号为:标准性能型和高性能型。 规格为:S、M、L、XL、XXL型。			
结构及组成	一次性使用手术衣产品采用非织造布、覆膜非织造布。 材料制成,为排式结构。由农身、袖子、腰部系带和 部系带(或子母扣)、加强层组成,加强层适用于高性 能型的手术衣。袖口采用弹性收口。			
适用范围	供手术人员穿着,降低感染源向病人手术创面传播以防 止术后创面感染。			
附件	注册产品技术要求: 鲁械注准 20182640288			
其他内容				
备注	S. But Bas			
审批部门: 山东省	★品码品监督管理局 報知目期2018 % → 月27 日 和效期時初2023 年前6月26 日 近 行 至 項 注 示 + 1 2 5 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5			

Equinox nation-wide Distribution reaching all major hospitals



WEGO

Equinox Orthopaedic Pty Ltd

Critical Care Consumables

WEGO Syringe Series bring low cost, without the quality compromise

- The disposable syringe one of WEGO's most accomplished product lines, manufactured since its foundation in 1992.
- WEGO has over 120 sets of injection moulding machines, 15 sets of fullautomation assembling machine, 20 Sets of cube ethylene oxide sterilization containers for syringe production lines
- Syringe series includes; common syringe, safety syringe, auto-disable syringe (AD), pump syringe, polycarbonate colourful syringe (PC) and insulin syringe.
- All kinds of needles are provided across the range
- WEGO is committed to delivering a quality service and supply of disposable syringe products.
- Current markets include; USA, EU, Russia, South Africa, Brazil, Turkey, India and over 65 other countries.





WEGO and Equinox are partnering across the full Medical Device Range

- WEGO has a comprehensive medical implant range; Trauma, Spine, Hip and Knee & Dental
- Equinox have rights to their consumable products, as well as a full range of theatre products and imaging systems







EQUIN X

- 1. Surgical Masks
- 2. Protective Clothing (disposable)
- 3. Insulation Clothing (disposable)
- 4. Surgical Clothing (disposable)
- 5. Medical caps
- 6. Disposal Surgical Bags
- 7. Bedding sheet, pillow cover and nursing mat
- 8. Adult diapers
- 9. Manufacture, Certification & Critical Care products

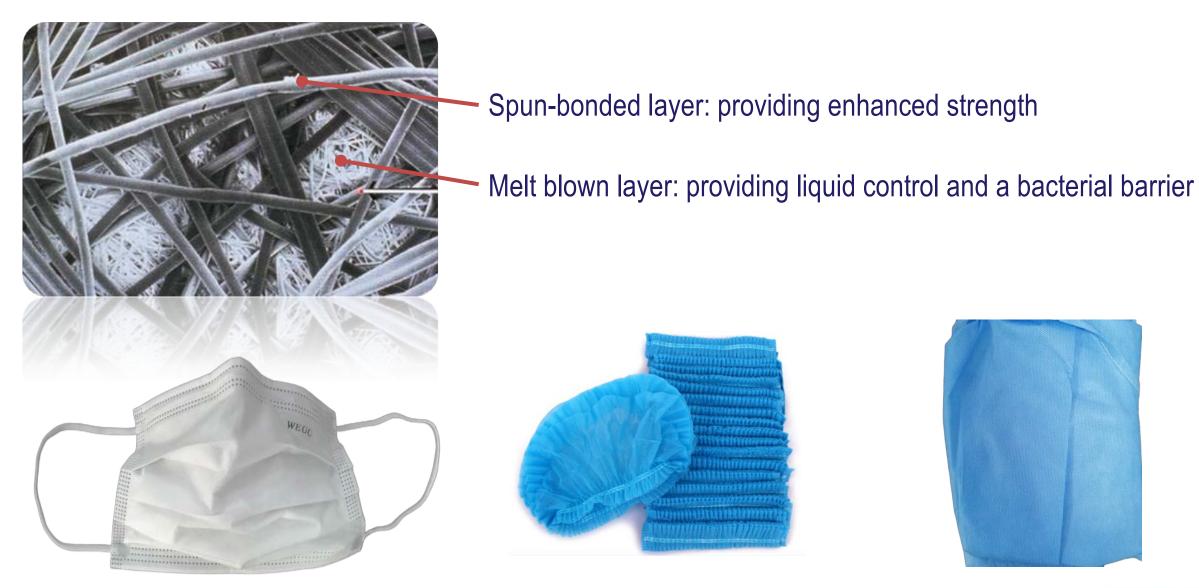




Product Characteristics

Enhanced liquid control and biological barrier function











Fabric Design developed for SARS-CoV-2 control



Weigao Group (WEGO) is a national emergency response supplier assisting the government with protective suit development for SARS-CoV-2

WEGO procurement of fabric, trims, seal tape and zipper are in accordance with national and international standards. Chinese Standard: GB19082-2009,European standard: EN14126- Level 4 (liquid barrier performance level II or above)

The protective suit is made of PP spunbond non-woven fabric laminated with PE film.

The raw material is high in strength, soft in touch, skin-friendly, comfortable to wear, and strong in antistatic performance.

It has a good anti-infiltration performance, high filtering efficiency, surface moisture resistance, strength and air permeability, which allows it to effectively to wet, reducing the chance of bacterial adhesion.



Materials:

- Polypropylene spunbonded
- PE film coated nonwovens
- Content: 100% Polyester



CE certification on ETO sterilization for medical devices



WEGO has fully adopted company-wide ETO (ethylene oxide) sterilization processes, unique for manufacturers in China

ETO sterilization:

- Kills all microorganisms, including spores, bacteria & viruses
- Does not corrode plastics, metals or rubber, and does not cause items to turn yellow and brittle
- Improves manufacturing efficiency, allowing for wrapping and packaging to occur together.
- Allows for maintenance of long term sterilization and product use.
- Allows the sterilization of items with irregular shapes and complex structures

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+ CERT	Certificate No. Q8 094273 0012 R	
	Holder of Certificate:	Shandong Weigao Group Medical Polymer Co., Ltd. No.18 Xingshan Road Torch Hicko Science Park 284210 Weihal, Shandong Province PEOPLE'S REPUBLIC OF CHINA
KAT + CERT	Certification Mark:	en e
СЕРТИФИК		Provision of ETO and Radiation Sterilization Service for Single used Medical Device. DD Product Service GmbH certifies that the company mentioned intaining a quality management system, which meets the rd(s). See also notes overleat.
•	Report No.:	BJ18884021
◆ 認證證	Valid from: Valid until:	2019-01-24 2020-09-30
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Surgical Mask

Surgical Mask (Indication)

Indication:

Designed to be worn by clinical medical staff during the invasive operation.

Covering the mouth, nose and jaw of user, the mask provides a physical barrier, preventing the transmission of pathogens, microorganisms, body fluids and particles.

Characteristics:

- The non-woven fabric utilizes medical grade materials, which effectively prevent the inhalation of bacteria and dust.
- The nose clip can be freely adjusted to ensure a close fit, ensuring a tight seal.
- The chin design contours the face, ensures a secure fit, and improves wearing comfort. The mask is hypoallergenic, effectively blocks dust and microorganisms and can be worn comfortably for long periods.

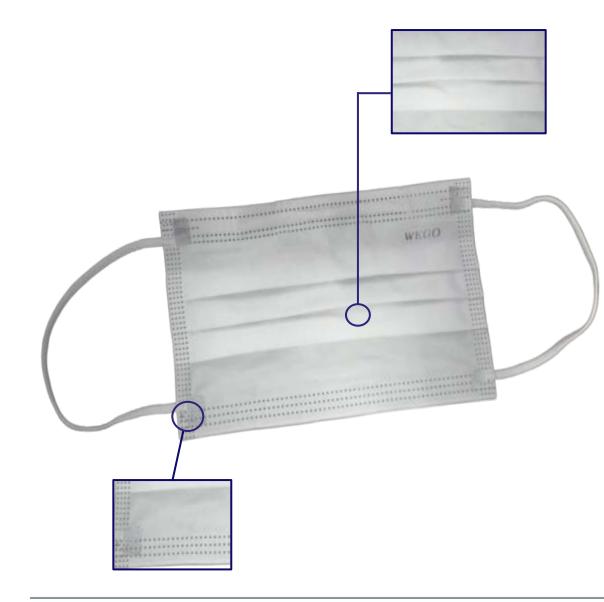






Surgical Mask Structural Composition





Structural composition:

- The utility model is composed of a mask body, a nose clip and a mask belt.
- The mask body consists of a three-layer structure.
- The bottom layer and surface layer are made of spun-blown non-woven fabric.
- Spun-blown fabrics tend to have wide (but controllable) fiber size distribution thanks to the multi-row design of the spinnerette.
- Sub micron fibers are naturally co-mingled with big microfibers which would result in strong and high efficiency filter media with higher particle-holding capacity at low pressure drop.
- The middle layer is made of melt-blown non-woven fabric





Available sizes

Divided into WGP-a and WGP-b according to the strap design

WGP indicates that the mask is a flat design.

A Type - Is a mask with ear-based affixation.

B Type – represents the strap-type mask.





Protective Clothing Standard: GB 19082-2009



Indication:

- Provision of a protective barrier, for clinical staff at risk of exposure to <u>potentially infectious patients</u> due to exposure to blood, body fluids and secretions.
- Standard: GB 19082-2009

Structural composition:

- Made of a breathable film, nonwoven membrane material.
- The suit consists of a joined and sealed hooded top, pants and an optional foot cover.
- Cuffs, ankles, and foot vents exhibit elastic closings, as do the hat, facial and waist closings.

Use:

- 1. For protection when interacting with patients with infectious diseases such as those with multidrug-resistant bacteria and viruses.
- 2. For protection when caring for and interacting with patients in protective isolation.
- 3. For protection against splashes from the patient's blood, body fluids, secretions and excrement.
- 4. Whether or not to wear isolation clothing when entering the key wards shall be determined from a combination of internal regulations and on the purpose of the entering medical personnel in close proximity to the patients.



Characteristics:

- Conforms with the national standard GB19082-2009 "medical disposable protective clothing technical requirements".
- Bacterial resistance, anti-static, effective barrier from liquids and particulate matter.
- Soft, light, breathable and comfortable to wear.
- Stitching and zipper areas are sealed with rubber and glue, helping to prevent the invasion of bacteria and viruses.
- The outer layer has a smooth surface which is not easy to wet, reducing the chance of bacterial adhesion.

Protective Clothing - Characteristics







Protective Clothing - Characteristics (2)

EQUIN@X

Needle stitching:

- Bonding and heat-sealing processes are applied to the connection part of the protective suit.
- The holes of the stitches are sealed. The stitch pitch should be 8 to 14 stitches per 3cm. The stitches are aligned and properly spaced.
- Bonded or hot-sealed parts shall be flat and sealed without air bubbles.

Zippers of the protective clothing should not be exposed, and the zipper puller should be self-locking.

The structure of the protective suit ensures conformity, with ease of removal.

The protective suit is in a unified structure, with tight seals, integrating the hooded top and pants.





Protective Clothing - Features (1)



Two-piece Hooded Design:

A two-piece hooded, threedimensional cut and elastic band around the face opening, allows for optimized fitting to the face, improving overall protection.

Seam sealed tape workmanship:

All seams are sealed with tape and with an internal elastic band, applied to the waist.

This enhances the seam protection and the overall fit of the suit.



Protective Clothing - Features (2)



Elastic Cuff:

The cuff uses an internal elastic band to further enhance tightness of fit and protection.

Smart Zipper Design:

Center front zipper application allows easy donning and removal, while the zipper placket design improves production quality.

Elastic Bottom Hem Closure:

An internal elastic band is applied to the bottom hem, with added shoe cover, which enhances overall fit and protection.





Protective Clothing - Sizing

EQUIN X

Types of suit include: A-Type (with foot cover) and B-Type (without foot cover)

The sizes available are: S, M, L, XL, XXL, XXXL

A type: gown type

B type: separate clothing without cap

C-1 type: one-piece type with cap and foot cover

- C-2 type: one-piece type with cap and without foot cover
- C-3 type: one-piece type without cap and with foot cover
- C-4 type: one-piece type without cap and foot cover



SPECIFICATIONS

UNIT: CM

					UNITEC
SIZE	HEIGHT	BUST	SLEEVE LENGTH	CUFF	HEM
160	165	120	84	18	24
165	169	125	86	18	24
170	173	130	90	18	24
175	178	135	93	18	24
180	181	140	96	18	24
185	188	145	99	18	24
200	200			18	24
DEVIATION	±2	±2	±2	±2	±2



Insulation Clothing National Standard, Class 1

Insulation Clothing - Composition and Use

Indication:

• For medical institutions such as outpatient clinics, wards, laboratories, etc. for general isolation.

Structural composition:

- The use of non-woven or filament-woven fabric as the main raw material
- It is made by cutting and sewing under sterile conditions
- Provided Non-sterile and for single-use.







Sizing Available:

A type: gown type

B type: separate clothing without cap

C-1 type: one-piece type with cap and foot cover

- C-2 type: one-piece type with cap and without foot cover
- C-3 type: one-piece type without cap and with foot cover
- C-4 type: one-piece type without cap and foot cover





Surgical Clothing National Standard, Class 1

Disposable Surgical Clothing (Indication)

EQUIN X

Indication:

- For use by all medical personnel in the operating theatre.
- Conforms to the EU performance standard (en13795) and ROW standard (YY / t0506).

Use:

- 1. Clothing to be worn by surgeons and other medical personnel during the procedure in the operating room.
- 2. The clothing will protect both the patient and the medical staff from cross contamination whilst in the operating room.







EQUIN X

Structural composition:

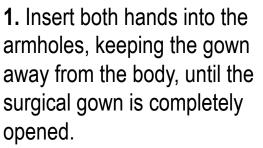
- The surgical gown is sewn by ultrasonic technology, without pinholes, to help assure its bacterial and water resistance.
- The gown contains an additional reinforcement layer to provide enhanced barrier protection against bacteria and liquids.
- Threaded cuffs provide enhanced comfort for the wearer in addition to preventing slip of the sleeve over the surgeon's gloves.
- Hanging card: Nurses do not need to hold objects in the operating rooms, reducing the risk of infection transmission.

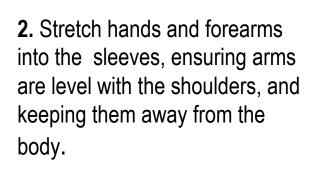


Surgical Clothing - Use (1)









3. The circulating nurse should pull the surgical gown over the shoulders, touching only the inside of the gown.



Surgical Clothing - Use (2)





(4a). If open glove donning, pull cuff to thumb level (4b) If closed glove donning is preferred, push hands to the edge of the cuff

5. Tie the neckline.

6. Tie the inner waist strap.



Disposable Surgical Clothing (use)





7. After donning the gloves, hold the belt card with both hands, separate the left outer belt on the left side from the belt card, and keep the belt in the left hand.



8. Hand the belt card to the circulating nurse, then make a three-quarter turn to the left while the nurse extends the outer belt to its full length.



9. Retrieve the outer belt by pulling it out of the belt card held by the circulating nurse and tie it together with the other outer belt on the lefthand side.



EQUINEX

Medical Cap

Medical Cap



Indication:

The medical cap is used to cover the head and hair in the operating room, outpatient areas, ward and laboratory of medical institutions.

Structural composition:

- The cap is manufactured from non-woven materials by cutting, welding and sewing.
- The caps are non-sterile and disposable.

Double skin band with strong and long-lasting elasticity.







Soft, comfortable and skin friendly, effectively preventing falling hairs.



Medical Cap



All available in:

- Small,
- Medium
- Large

Models:

- Straight cap
- Striped cap
- Round cap
- Skirt cap

Available across any combination of styles and sizes





EQUINEX

Disposable Surgical Bags



Indication:

Disposable package products can be selected as a range of different medical device products according to clinical needs.

The components of each package are composed of surgical clothes, surgical towels and disposable plastic containers, which are used for aseptic protection during a variety of operations.

Characteristics:

- Reduce and control the potential for surgical cross infection
- Convenient and time saving single package









PACK 1: Standard Disposable Range

Component	Quantity	
Surgical gown	1	
Surgical towel (50 x 80cm)	4	
Gauze pad	1	
Wrapping cloth	1	
Mat sheet	1	
Surgical towel (60 x 60cm)	1	
Legging	2	









PACK 2: Interventional surgery package

Component	Quantity	Component	Quantity
Plastic instrument cover	3	Plastic cup	3
Disinfectant brush	2	Aseptic plastic handle Scalpel	1
Gauze sheet	20	Surgical towel	1
Surgical gown	2	Plastic bowl	4
Sterilized rubber Surgical gloves	2 pairs	Tray	1
Surgical towel	5	Hole towel	1
Plastic tray	1	Wrapping cloth	1



EQUIN





Disposable Surgical Bags - Pack 3



PACK 3: Universal disposable sterile operating bag

Component	Quantity
Surgical gown	4
Surgical towel	6
Gauze pad	2
Wrapping cloth	1
Gauze block	10
Surgical towel	3
Hole towel	1
Plastic tray	1







Disposable Surgical Bags - Components

EQUIN X

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Component name	Purpose	Picture	Component name	Purpose	Picture
Surgical gown	Protection for the doctor		Mat sheet	Placed under the patient to absorb fluids	
Surgical towel	Placed near the operation field		Plastic instrument cover	Aseptic protection of DSA equipment	(and the
Surgical towel	Protection for the patient		Sterile plastic handle scalpel	For incisions	
Hole towel	Placed over the patient exposing the operating field		Disinfectant brush	For preoperative disinfection	

Disposable Surgical Bags - Components



Component name	Purpose	Picture	Component name	Purpose	Picture
Baby cloth	For wiping and wrapping the newborn		Gauze pad	After delivery, it is used for vaginal tamponade to measure bleeding volume	
Plastic bowl	For heparin sodium, normal saline and flushing solution		Gauze block	Wipe for intraoperative blood	4
Plastic cup	For the holding of anesthetics and physiological saline		Tray	Holder for guide wire	
Plastic tray	Used to hold scalpels and other instruments				



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