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KB Medical Group

The Specialist in
Safety Medical Products
and Nutrition Care

www.kbmed.com

PRODUCT CATALOGUE



KB Medical Group



KB Medical Group was founded in Irvine, California.

A professional company specialized in producing innovative Safety Medical Products to protect health care workers against sharps injury. KB Medical Group is committed to address these issues by providing the most effective safety-engineered therapy devices for optimum safety in the hospitals.

In the past several years, KB Medical Group focus on working on a wide variety of innovative, high-quality enteral feeding products and accessories uniquely designed for delivering nutrition and medication to pediatric and adult patients. This new standard ENFit® connection has been introduced in-line with ISO80369-3 has a unique enteral-specific design that help reduce the risk of enteral tube feeding misconnections and improve the patient safety.

KB Medical Group in the world

- Our Headquarter: Irvine, California, USA.
- Our production unit: Jiangsu Kangbao Medical Equipment Co. Ltd. is our professional manufacturer in Jiangsu province, China (1 hour away Shanghai) for more than 30 years.
- Our commercial office: Hangzhou Best Valley Medical Technology Co. Ltd. is our Commercial Center in China which is located at Hangzhou, Zhejiang province (40minutes away Shanghai), the center in charge of the business communication with customers, arrange the customers for visiting plan, QA audit, also provide service for the registration documents and documentary works.

Key facts of our KB Medical Group

600

Employees

Over 70,000m²

Land of production unit in China

Over 12,000m²

Clean room in China (100,000 grade)

Over 40,000m²

Workshops in China

3

Subsidiaries

Over 200

Worldwide distributors

Quality, Certificate, Innovation

EN ISO 13485: 2012

CE

FDA

Over 24

Registration Certificate in SFDA China

Over 6

Invention Patent

Over 12

Utility Model Patent

High-Tech

Enterprise



Key facts of our production unit



40 sets

Injection molding machines

16 sets

Auto printing lines for syringes

8 sets

Auto-assembling machines for syringes

8 sets

Blister packing machines

8 sets

Auto-loading packing machines for syringe
(1/3/5/10/20/60/100ml)

1 set

Auto-assembling machine for infusion set

1 set

Auto-assembling machine for scalp vein set

3 sets

Auto-assembling machines
for hypodermic needle

3 sets

Modernization testing lab for
Physical, Chemical and Biological

3 sets

EO Sterilization chamber

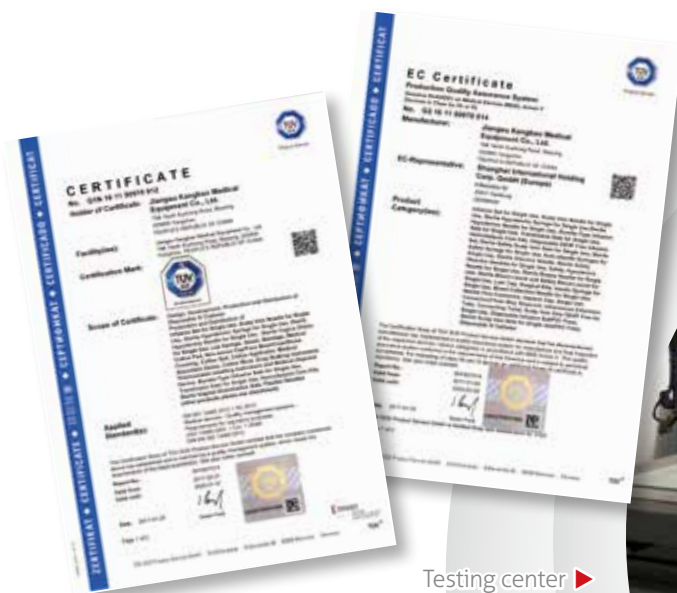


▲ Disposablesyringeworkshop



▶ Hypodermicneedleworkshop

▼ Injection molding workshop



Testing center ▶



CATALOGUE CATEGORIES



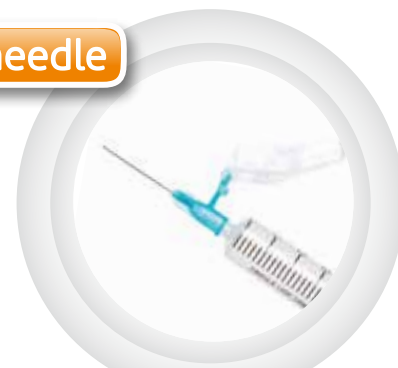
Infusion therapy



Page 1-9

- Wide range of a safety way for injection of vein for medication infusion.
- Safety scalp vein set
 - Scalp vein set
 - Infusion set
 - IV burette
 - IV cannula
 - Safety IV cannula
 - IV cannula dressing
 - Sterile IV start kit
 - Extension tube
 - Three way stopcock

Syringe and needle



Page 10-21

A complete range of syringes for injection or harvesting of biological material with safety protection.

- Disposable syringe with needle
- Disposable syringe with safety needle
- Safety syringe
- Safety needle
- Disposable hypodermic needle
- Auto-Disable syringe for fixed-dose immunization
- Pre-filled flush syringe
- Dental needle
- Irrigation needle
- Suture removal Set
- Veterinary needle
- Hard pack syringe

Hazardous drug safety



Page 22-28

- Various drug preparation needles for safety drug admixture and disposal of used sharps.
- Aspiration needle with safety shield
 - Blunt needle with/without filter
 - Curved needle
 - Side hole needle
 - Needle free system
 - Safety box for the disposal of used sharps
 - Sharp container
 - Endoscope transport pad
 - Ultimate sharps safety stations (needle counter)
 - Safety medical products for NEEDLE STICK PREVENTION

Safety medical products



Page 28

Wide range of safety medical products to protect health care workers against sharps injuries.

- Safety scalp vein set
- Safety IV cannula
- Safety needle
- Safety syringe
- Auto-Disable syringe
- Safety blood collection needle
- Safety blood lancet
- Safety insulin pen needle
- Safety insulin syringe
- Safety fistula needle
- Safety drug preparation needle
- Ultimate sharps safety stations
- Needle free system
- Safety box for the disposal of used sharps
- Sharp container

Nutrition therapy



Page 29-32

Various components for nutrition therapy which is compliant with the ISO80369-3 to help reduce the risk of misconnections.

- ENFit@syringe
- The ENFit@ connector
- ENFit@ Feeding set
- Oral syringe
- Irrigation syringe

Specimen collection



Page 33-36

Our safety blood collection system help eliminate accidental needle stick injuries when collection blood sample.

- Blood collection needle
- Safety blood collection needle
- Safety lancet
- Blood collection tube

Anesthesia & pain management



Page 37-39

Wide range of products for subdural, lower thorax and lumbar spinal puncture.

- Spinal needle
- Anesthesia kit
- High pressure manifold
- NRFit™ syringe

Transfusion therapy



Page 40-42

Complete range of safety way to collect, preserve, filtration and administration for human blood and blood components.

- Gravity blood administration sets
- Blood bag
- Cord blood bag

Urinary care

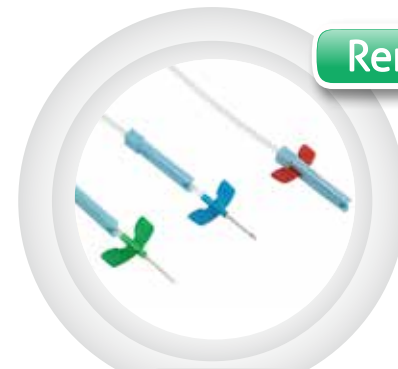


Page 43-46

We provide solutions to help improve patient safety and infection prevention in urinary care.

- Urine drainage bag
- Leg bag
- Urine meter
- Irrigation tray
- Irrigation syringe

Renal therapy



Page 47-48

Innovative, high performance products and services for use in dialysis, provide a basis which targets improved clinical outcomes for the patient, while minimizing costs and risks for the healthcare providers.

- Fistula needle
- Safety fistula needle
- Blood line
- Hemodialysis care kit

Diabetes care



Page 49-52

Complete range of the diabetes needles and the innovative safety insulin syringe offers comfort and easy insulin therapy Injection, also help eliminate accidental needle stick injury.

- Safety insulin syringe
- Insulin syringe
- Insulin pen needle
- Safety insulin pen needle
- Sharp disposal container for insulin pen needle
- Alcohol swab

Infusion therapy

Safety scalp vein set

It is used for injection of vein for medication infusion, the safety mechanism help to eliminate accidental needlestick injuries.



Features

- ▶ The ergonomic design is ideal for clinician handling and patient comfort.
- ▶ Offering an easy grip.
- ▶ The design to minimize slips and touch contamination.



Safety scalp vein set



Safety scalp vein set



Scalp vein set



Connectors

Code	Gauge	Size and length	Color
SSVS27/SVS27	27G×5/8"-3/4"	0.4×16-19mm	Grey
SSVS26/SVS26	26G×5/8"-3/4"	0.45×16-19mm	Brown
SSVS25/SVS25	25G×5/8"-4/5"	0.5×16-20mm	Orange
SSVS24/SVS24	24G×5/8"-4/5"	0.55×16-20mm	Purple
SSVS23/SVS23	23G×3/4"-1"	0.6×19-25mm	Blue
SSVS22/SVS22	22G×1"	0.7×25mm	Black
SSVS21/SVS21	21G×1-1/8"	0.8×28mm	Green
SSVS20/SVS20	20G×1-1/8"	0.9×28mm	Yellow
SSVS19/SVS19	19G×1-1/8"	1.1×28mm	Cream
SSVS18/SVS18	18G×1-1/8"	1.2×28mm	Pink

Infusion therapy

Infusion set

Delivering solutions in IV therapy for improved patient care.



Features

- ▶ Sharp spike is easy to puncture.
- ▶ The ISO standard spike can fit with any infusion bottles and bags.
- ▶ Soft and transparent chamber is easy to press and adjust solution.
- ▶ Antibacterial air-inlet.



IVS05

- Big chamber with air vent, filter, needleless Y site, Adelberg flow regulator, 1.8m tube, luer lock with cap.



IVS01

- Big amber-colored drip chamber with air vent, ABS Adelberg flow regulator, amber-colored tube 1.5m, luer lock with needle.



IVS02

- Small drip chamber with air vent, Y site, 1.5m tube, luer slip without needle.



IVS03

- Winged spike, medium drip chamber with air vent, filter, ABS Adelberg flow regulator, Y injection port, 1.8m tube, luer lock without needle.



IVS04

- Medium drip chamber without air vent, 60 drops, filter, Y injection port, 1.8m tube, luer slip without needle.

Infusion therapy

Infusion set



Flow regulators



Injection ports



Transfer sets



Y injection ports



Connectors



Spike with drip chambers

We offer a wide variety of IV accessories to meet the needs of current practice:

- ▶ Small drip chamber 14.30*50mm.
- ▶ Medium drip chamber 15.50*54mm.
- ▶ Big drip chamber 17.20*61mm.
- ▶ With air vent, without air vent.
- ▶ Transfer set.
- ▶ 15drops, 20drops, 60 drops/ml.
- ▶ With filter or without filter.
- ▶ Small flow regulator, Medium flow regulator, ABS Adelberg flow regulator.
- ▶ Accurate flow regulator rate of 5mL/hr to a maximum of 300mL/hr.
- ▶ Latex straight tube, injection bulb, Y injection port.
- ▶ Latex free straight tube, injection bulb, Y injection port.
- ▶ Needleless Y injection port, Needle free injection cap.
- ▶ Luer slip, luer lock connector.
- ▶ Red cap, blue cap, white cap.
- ▶ PVC tube length 1.3m to 2m or any required length.
- ▶ PVC tube DEHP FREE.
- ▶ Non-PVC tube.
- ▶ Customization mold construction for any kind of components.

Infusion therapy

IV burette



Delivering solutions in IV therapy for improved patient care.

IVB150-2



Features

- ▶ Soft and transparent chamber for easy to read graduated scale.
- ▶ Floating disk for easy fluid level indication and auto shut-off to resist the air bulb to the vein.
- ▶ Integral 15 micron air-guard filter to prevent air introduction.
- ▶ 60drops/ml.
- ▶ Gravity use.



IVB 110-1



Needle-free injection site



Air vented spike

Description	Code
Soft chamber 100ml, with air vent, latex tube, tube 1.5m, luer lock with needle.	IVB 100-1
Hard chamber 100ml, with air vent, latex bulb, luer slilp with needle	IVBH 100
Soft chamber 110ml, with air vent, with latex shut-off valve, Y injection port, tube 1.8m, luer lock with needle	IVB 110-1
Soft chamber 150ml, with air vent, with latex shut-off valve, Diameter 5.6mm tube to comply with the infusion spike.	IVB 150-1
Soft chamber 150ml, with air vent, with latex free shut-off valve, needleless Y injection port, tube 2.2m, luer lock without needle.	IVB 150-2

Infusion therapy

IV cannula

Delivering solutions in IV therapy for a short term period.



Pencil type

Wing type with heparin cap

Features

- ▶ Color-coded casing cap allows for easier identification of catheter size.
- ▶ Translucent catheter hub and flashback chamber allows for easy detection of blood.
- ▶ Flash back at vein insertion.
- ▶ Teflon radio-opaque catheter.
- ▶ Precision finished pet or pu catheter assures stable flow and eliminates catheter tip kink.
- ▶ The sharp needle features a universal bevel geometry that allows a wider choice of insertion angles.
- ▶ Can be connected to syringe by removing filter cap to expose luer taper end.
- ▶ Use of hydrophobic membrane filter eliminates blood leakage.
- ▶ Close and smooth contact between catheter tip and inner needle enables safe and smooth.
- ▶ Vein puncture.



Injection type

Code			Gauge	Size and length	Color
Pencil type	Wing type	Injection type			
IVCP14	IVCW14	IVCI14	14G	2"	Orange
IVCP16	IVCW16	IVCI16	16G	2", 2 1/2"	Grey
IVCP18	IVCW18	IVCI18	18G	1 1/4", 1 1/2", 2"	Green
IVCP20	IVCW20	IVCI20	20G	1 1/4", 2"	Pink
IVCP22	IVCW22	IVCI22	22G	1"	Blue
IVCP24	IVCW24	IVCI24	24G	3/4"	Yellow

Infusion therapy

Safety IV cannula



Features

- ▶ Safety design can reduce needle stick Injuries.
- ▶ Result in less blood exposure to staff than catheters featuring spring-retraction of the needle.
- ▶ Promote first Stick Success.
- ▶ The safety design ensures that the safety mechanism is always activated and prevents re-insertion of the stylet.
- ▶ No extra steps are required to ensure healthcare worker and patient safety.
- ▶ With this easy-to-use safety IV catheter, you can be confident of successful needle and catheter placement every time.
- ▶ PVC-Free, DEHP-Free and Latex-Free.
- ▶ Close system and open system available.



Type 1



Type 2



Type 2

Size and Length	Code
	TYPE 1 TYPE 2
18G×30mm, 18G×48mm	IVCS1-18 / IVCS2-18
20G×30mm, 20G×48mm	IVCS1-20 / IVCS2-20
22G×19mm, 22G×25mm	IVCS1-22 / IVCS2-22
24G×19mm	IVCS1-24 / IVCS2-24
26G×19mm	IVCS1-26 / IVCS2-26

Infusion therapy

IV cannula dressing



Fixing IV catheter, PICC and CVC catheter.
Apply for friction skin or wet skin, such as skin care after tracheal incision.
Apply for slight bruise, cut, suturing wound. etc. as a secondary fixation.



Features

- ▶ High permeability, avoid causing maceration to the skin.
- ▶ Prevent bacteria invasion, diminish the risk of infection.
- ▶ Waterproof, patient can take shower or bath.
- ▶ Transparent, wound situation could be observed anytime.
- ▶ Soft and comfortable, suit for different body parts, hypoallergenic.
- ▶ Strong viscosity, could keep on skin for 7days.
- ▶ Safe and convenient, the design of dressing make it easy operation
- ▶ Various sizes and styles, including paper frame IV dressing, new Utility style, hydrocolloid IV dressing, high-permeable grid-coating transparent dressing, PE foam frame IV dressing, non-woven IV dressing, and could fit to different clinical needs.
- ▶ Easy to use, could prevent wrinkling of dressings (absorbent pad could add to the dressing based on customer's requirements.
- ▶ Super absorbency, can prevent maceration.

Sterile IV start kit



IVK01

Description

- ▶ 2ea Gauze sponges, 2x2"8ply.
- ▶ 1ea Label with four lines (optional).
- ▶ 1ea Tourniquet 3/4x18 synthetic.
- ▶ 1ea IV dressing film 6x7cm.
- ▶ 1ea PE tape, 3/4x18".
- ▶ 1ea Prep. appl 2% chg, 1,5ml (optional).
- ▶ Customization types are possible.

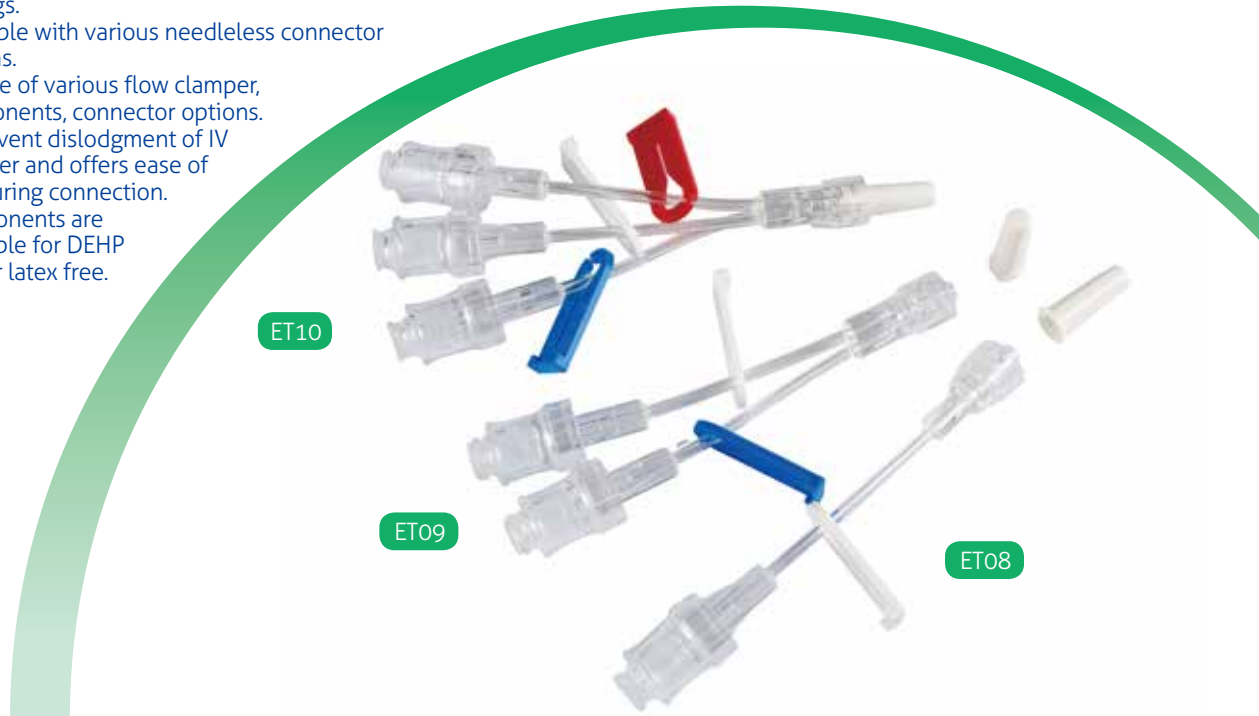
Infusion therapy



Extension tube

Features

- ▶ Our extension sets are available in various lengths and dimensions to accommodate various applications.
- ▶ A range of lengths that provide flexibility in a variety of clinical settings.
- ▶ Available with various needleless connector options.
- ▶ A range of various flow clammer, components, connector options.
- ▶ To prevent dislodgment of IV catheter and offers ease of use during connection.
- ▶ Components are available for DEHP free or latex free.



Description	Code
Needleless type, 1way, female luer lock, male rotating luer lock, slide clamp,OD 4mm	ET01
Needleless type, 2way, female luer lock, male rotating luer lock, slide clamp,OD 4mm	ET02
Needleless type, 3way, female luer lock, male rotating luer lock, slide clamp,OD 4mm	ET03
Needleless type, 4way, female luer lock, male rotating luer lock, slide clamp,OD 4mm	ET04
Male and female luer lock	ET05
T connector, male and female luer lock, slide clamp	ET06
3way stopcock, male rotating luer lock	ET07
Needleless type, 1way, female luer lock, male rotating luer lock, slide clamp,OD 2.35mm	ET08
Needleless type, 2way, female luer lock, male rotating luer lock, slide clamp,OD 2.35mm	ET09
Needleless type, 3way, female luer lock, male rotating luer lock, slide clamp,OD 2.35mm	ET10

Infusion therapy



Three way stopcock



Maximize fluid flow control and fluid and drug delivery efficiency.

Features

- ▶ We can offer a full range of stopcocks to assist you in controlling fluid flow through IV delivery systems.
- ▶ Single packaged, as various options to meet all of your IV therapy needs.
- ▶ All options are liquid resistant with a transparent housing for clear view of the fluid path.



TWS03



TWS04



TWS05



TWS01



TWS02



TWS06

Syringe and needle



Disposable syringe with needle



Injection or harvesting of biological material, depending on choice of needle.

Features

- ▶ Luer slip or luer lock nozzle, central or eccentric nozzle.
- ▶ High transparency barrel.
- ▶ Smooth consistent plunger action.
- ▶ Clear, legible and easy to read graduated scale.
- ▶ Minimal dead space.
- ▶ Triple contact rubber gasket and plunger-block to prevent accidental leakage during aspiration.
- ▶ Well rounded finger grips for safe handling.
- ▶ 3 parts and 2 parts are available.
- ▶ Sterilized with Ethylene Oxide.
- ▶ Gamma ray resistant material are available.
- ▶ Latex free pistons are available.



2 parts syringe



Syringe caps

Spec.	Size	Code
3 parts	1ml	DS3P-1
3 parts/2 parts	2-3ml	DS3P-2/DS2P-2
3 parts/2 parts	5ml	DS3P-5/DS2P-5
3 parts/2 parts	10ml	DS3P-10/DS2P-10
3 parts/2 parts	20ml	DS3P-20/DS2P-20
3 parts	30ml	DS3P-30
3parts	50-60ml	DS3P-50
3parts	100ml	DS3P-100



Syringe and needle



Disposable syringe with safety needle



Features

- ▶ Compatible with all standard hypodermic needles.
- ▶ Convenient to use, one hand activation, minimal training required.
- ▶ Economic, reduce the cost of safety injection.
- ▶ Triple safety mechanism to guarantee 100% safety.
- ▶ Visual confirmation of safety activation.
- ▶ Click device guarantee no obstruction during injection.
- ▶ Both luer slip and luer lock nozzle are available.



Type 1



Type 1

Syringe and needle



Disposable syringe with safety needle



Size	Code
	TYPE1 TYPE2
1ml	DSS1-1 DSS2-1
2-3ml	DSS1-2 DSS2-2
5ml	DSS1-5 DSS2-5
10ml	DSS1-10 DSS2-10
20ml	DSS1-20 DSS2-20
30ml	DSS1-30 DSS2-30
50-60ml	DSS1-50 DSS2-50
100ml	DSS1-100 DSS2-100

Type 2

Type 2

Syringe and needle



Safety syringe



It is used in extraction of clinical liquid medicine and for injection, help eliminate accidental needle stick injury.

Features

- ▶ Available without needle or needles. Compatible with all standard hypodermic needles.
- ▶ Convenient to use, safety mechanism will be activated when the intended dose has been delivered.
- ▶ Pull back the plunger after injection, the locking ring secures the needle in the barrel of the syringe preventing the reuse of syringes.
- ▶ Special design can prevent the needle back into the barrel occasionally.
- ▶ No gap design guaranteed the complete injection without dead space.
- ▶ Exchangeable needles allow clinician to change needle after aspiration of medication.
- ▶ Visual confirmation of safety activation.
- ▶ Various range of syringes to meet the clinical requirements.



Using step

- ▶ Take off the needle protector.
- ▶ Aspiration the medication .
- ▶ The safety medication is automatically activated.
- ▶ After injection, pull back the plunger to the locking ring.
- ▶ Break the plunger.

Code	Size	Needle size
SS0.5	0.5ml	27G-30G
SS1	1ml	27G-30G
SS3	3ml	20G-25G
SS5	5ml	20G-25G
SS10	10ml	19G-25G
SS20	20ml	18G-22G



Syringe and needle



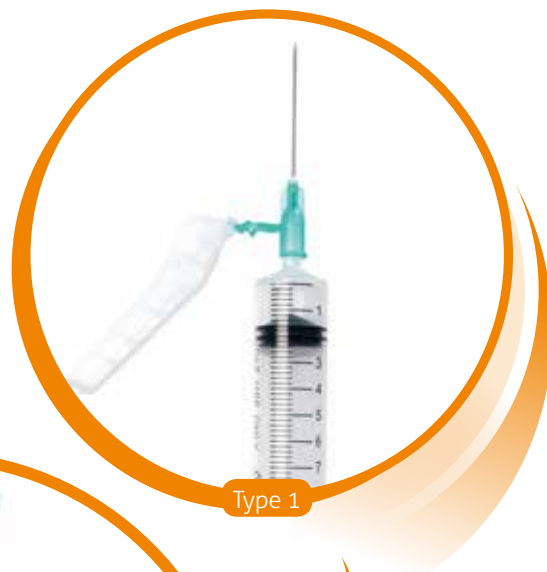
Safety needle



It is compatible with all syringes in clinical injection of liquid medicine, easy to use, help eliminate accidental needle stick injury.

Features

- ▶ It is compatible with all standard syringes with luer lock or luer slip tip.
- ▶ Optimum visualization of injection site.
- ▶ After the injection, only one hand activation, the needle was covered completely which can immediately achieve the purpose of protection.
- ▶ Special safety lock on needle hub, triple safety mechanism to guarantee 100% safe protection.
- ▶ Effective function and simple design can reduce the cost of safety injection.
- ▶ Easy and quick identification of the needle gauge by ISO colorful coded.
- ▶ A wide range of sizes are available.



Using step

- ▶ Assemble the safety needle on the luer tip of sterilized syringe.
- ▶ Open the safety protector, which will open automatically under the elastic force.
- ▶ Aspirate the medication.
- ▶ After injection, apply a force on the safety protector by one hand until the safety protector covers the needle completely.



Code	Gauge	Size and length	Color
SN1-29	0.33×13	29G×1/2"	Red
SN1-27	0.40×10-16	27G×3/8"-5/8"	Grey
SN1-26	0.45×10-16	26G×3/8"-5/8"	Brown
SN1-25	0.50×16-25	25G×5/8"-1"	Orange
SN1-24	0.55×25	24G×1"	Purple
SN1-23	0.60×25-38	23G×1"-1-1/2"	Blue
SN1-22	0.70×25-38	22G×1"-1-1/2"	Black
SN1-21	0.80×25-38	21G×1"-1-1/2"	Green
SN1-20	0.90×38	20G×1-1/2"	Yellow
SN1-19	1.10×38	19G×1-1/2"	Cream
SN1-18	1.20×38	18G×1-1/2"	Pink
SN1-16	1.60×38	16G×1-1/2"	White

Syringe and needle

Safety needle



Using step

- ▶ Latest innovative design with special safety shield.
- ▶ Protection to healthcare worker during transporting device and after use.
- ▶ Give much easy operation to nurses.
- ▶ Safely locked by a slight pushing up.
- ▶ Compatible with all kinds of syringes.



Code	OD and length(mm)	Gauge and length(inch)	Code	OD and length(mm)	Gauge and length(inch)
SN2-27	0.4×16	27G×5/8"	SN2-21	0.80×25	21G×1"
SN2-25	0.50×16-25	25G×5/8"-1"	SN2-20	0.90×25	20G×1"
SN2-23	0.60×25	23G×1"	SN2-18	1.20×25	18G×1"
SN2-22	0.70×25	22G×1"			

Syringe and needle

Disposable hypodermic needle



Intradermal, subcutaneous, intramuscular and intra-articular injection, harvesting of biological material depending on chosen gauge.

Features

- ▶ High quality 304 stainless steel.
- ▶ Triple sharpened tip with anti-coring treatment maximize patient comfort.
- ▶ Both short bevel and long bevel are optional.
- ▶ Silicon coated to ease skin penetration and minimise pain.
- ▶ Large ID, high flow, both thin wall and regular wall are available.
- ▶ Semi-transparent needle-hub.
- ▶ International color coded hub by size for clear recognize.
- ▶ Customer special needle size as per required.



Size		Color	Length										ID		Bevel Angle		Code
OD (mm)	Gauge	Color&Code	4 1/6"	6 1/4"	8 1/3"	13 1/2"	16 5/8"	20 3/4"	25 1"	32 1 1/4"	38 1 1/2"	50 2"	RW	TW	Long Bevel	Short Bevel	
0.25	31G	Blue	✓	✓	✓	✓	✓						✓		✓	✓	HN31
0.30	30G	Light yellow	✓	✓	✓	✓	✓						✓		✓	✓	HN30
0.33	29G	Red	✓	✓	✓	✓	✓						✓		✓	✓	HN29
0.36	28G	Blue-green	✓	✓	✓	✓	✓						✓		✓	✓	HN28
0.40	27G	Grey	✓	✓	✓	✓	✓						✓		✓	✓	HN27
0.45	26G	Brown				✓	✓						✓		✓	✓	HN26
0.50	25G	Orange					✓	✓	✓		✓		✓	✓	✓	✓	HN25
0.55	24G	Purple						✓	✓				✓	✓	✓	✓	HN24
0.60	23G	Blue							✓	✓	✓		✓	✓	✓	✓	HN23
0.70	22G	Black							✓	✓	✓		✓	✓	✓	✓	HN22
0.80	21G	Green							✓	✓	✓	✓	✓	✓	✓	✓	HN21
0.90	20G	Yellow								✓	✓	✓	✓	✓	✓	✓	HN20
1.10	19G	Cream								✓	✓	✓	✓	✓	✓	✓	HN19
1.20	18G	Pink									✓	✓	✓	✓	✓	✓	HN18
1.40	17G	Red-purple									✓	✓	✓	✓	✓	✓	HN17
1.60	16G	White									✓	✓	✓	✓	✓	✓	HN16
1.80	15G	Blue-gray									✓	✓	✓	✓	✓	✓	HN15
2.10	14G	Pale-green									✓	✓	✓	✓	✓	✓	HN14

Remark: We can make special size according to clients' request.

Syringe and needle

Auto-Disable syringe for fixed-dose immunization

It is mostly used for WHO or UN aid project, the plunger of syringe was locked to prevent the reuse, help eliminate touch contamination.

Features

- ▶ In all cases, once the auto-disable feature has been activated, It was not possible to re-use the syringe and the needle under the normal conditions of use.
- ▶ It was not be possible to override the auto-disable feature when tested in accordance with the test method of ISO7886-3 Annex C.
- ▶ If an integrated needle is used, it shall become an integral part of the syringe and can not be detached.
- ▶ The auto-disable feature is automatically and remains effective from the point when 50% of the intended fixed dose has been delivered.
- ▶ Invention patented.



Code	Size	Needle size
ADS1-0.05	0.05ml	23G-27G
ADS1-0.1	0.1ml	23G-27G
ADS1-0.2	0.2ml	23G-27G
ADS1-0.3	0.3ml	23G-27G
ADS1-0.4	0.4ml	23G-27G
ADS1-0.5	0.5ml	23G-27G
ADS1-1	1ml	23G-27G

Type 1, With integrated needle



Syringe and needle

Auto-Disable syringe for fixed-dose immunization

- ▶ Syringe with non-integrated needle shall have a minimum needle unicon force applied as push or pull in the direction of the needle axis in accordance with ISO 7864:1993.
- ▶ The auto-disable feature is automatically activated on completion of the delivery of the intended fixed dose.
- ▶ Central luer slip or eccentric luer slip.



Type 2, With non-integrated needle

Code	Size	Code No.	Size
ADS2-2	2ml	ADS2-5	5ml
ADS2-3	3ml	ADS2-10	10ml

Pre-filled flush syringe

Our flush syringes provide dependable, cost-effective alternatives to vial-based flushing systems.

Code	Size	Code	Size
PFS5	5ml	PFS10	10ml



Syringe and needle

Dental needle



Features

- ▶ High quality 304 stainless steel.
- ▶ Short and long needle bevel are available.
- ▶ Color coded hub by size for clear recognition.
- ▶ Different sizes available.
- ▶ Designed special for dental use.



Code	Size	Length	Code	Size	Length
DN25	25G	38/25/21mm	DN30 30G	38/25/21/13mm	
DN27	27G	38/25/21mm	Remark: We can make special size according to clients' request		

Irrigation needle

The irrigation needle are intended for irrigation purposes in dentistry and ophthalmology, or used for withdrawal of drugs/solutions out of vials.



Code	Size and length	Color
IN 27	27G×13, 15mm	Grey
IN 25	25G×13, 15mm	Orange
IN 23	23G×13, 15mm	Blue
IN 22	22G×13, 15mm	Black
IN 21	21G×13, 15mm	Green
IN 20	20G×13, 15mm	Yellow
IN 18	18G×13, 15mm	Pink

Syringe and needle

Suture removal Set



Designed for all minor surgical procedures and emergency situation, these particular sterile disposable trays contain hospital ward quality instruments which allow for effective management of wound suturing requirements.

Qty.	Description
1ea	Metal Littauer scissors
1ea	Plastic suture forceps
1ea	Gauze pad
1ea	Alcohol prep pad
1ea	Iodine prep pad
Customization types are possible.	



SRS01

Veterinary needle

Used for veterinary intradermal, subcutaneous, intramuscular and intra-articular injection, harvesting of biological material depending on chosen gauge.

Features

- ▶ Luer fitting or record fitting are available.
- ▶ By copper base and strong enough.
- ▶ Full range for chosen.

Code	Size
VN14	14G
VN15	15G
VN16	16G
VN17	17G
VN18	18G
VN19	19G
VN20	20G
VN21	21G
VN22	22G
VN23	23G
VN24	24G
VN25	25G



Syringe and needle



Hard pack syringe



We offer syringes for the pet care market.

Features

- ▶ Hard pack design, convenient and safe cartridge pack, easily disposed of and transportable.
- ▶ Heat sealed cap for assurance of sterility.

Code	Size
HS01	1ml
HS02	2ml
HS05	5ml
HS10	10ml



Hazardous drug safety



Drug preparation



We offer various drug preparation needles for safety drug admixture, minimizes the risk of needle stick injury while drawing up medication, medication re-constitution and accessing IV bags.

Aspiration needle with safety shield

Features

- ▶ USA Patent pending, PCT with a priority date already initiated.
- ▶ FDA 510K approved.
- ▶ The shield that prevents accidental needle stick injury, 100% to protect the doctors and nurses from the danger.
- ▶ Intended for aspiration of medications from all kinds of vials safely.
- ▶ Injection of medications into IV rubber ports safely.
- ▶ Transfer of biological specimens, blood into vacuum specimen tubes safely.
- ▶ Compatible with standard luer slip and luer lock syringes.

FDA 510k approved



Blunt needle with/without filter

Blunt needle is a sterile, single use device used for safety drug admixture.

Features

- ▶ 45° bevel angle optimized for fluid transfer with e.g. stoppered vials, glass and plastic ampoules.
- ▶ 45° bevel angle thin walled cannula for faster draw-up (up to 20% higher draw-up speed in comparison to comparable products in the market).
- ▶ Made of stainless steel with special smoothing bevel.
- ▶ Blunt smoothing bevel design minimizes the risk of needle stick injury while drawing up medication, medication re-constitution and accessing IV bags.
- ▶ Red colored hub and protective cap for clear differentiation.
- ▶ Blunt needle with filter with a 5micro filter membrane to prevent glass particles being drawn into the syringe when preparing medication from ampoules.



Hazardous drug safety



Drug preparation



Curved needle

Features

- ▶ The curved needle will reduce the risk of needle stick injuries.
- ▶ To avoid cutting the rubber pieces during the penetration.



Curved needle



Side hole needle

Side hole needle

Features

- ▶ The side hole needle could avoid cutting the rubber pieces during the penetration.

Spec.	Size	type	code
Blunt needle	14G	without filter	BLN14
Blunt needle	16G	without filter	BLN16
Blunt needle	18G	with filter / without filter	BLNF18/BLN18
Blunt needle	19G	with filter / without filter	BLNF19/BLN19
Blunt needle	20G	without filter	BLN20
Blunt needle	21G	without filter	BLN21
Curved needle	14G		CVN14
Curved needle	15G		CVN15
Curved needle	16G		CVN16
Curved needle	17G		CVN17
Curved needle	18G		CVN18
Side hole needle	16G		SHN16
Side hole needle	18G		SHN18
Aspiration needle	18G		ASN18

Hazardous drug safety



Drug preparation



Needle free system

Needle-free system offer a safe way to access IV lines without the use of a needle, which greatly reduces the risk of accidental needle stick injuries.



SafespikeF

Features

- ▶ Needle-free system that utilizes split septum technology similar to that of a conventional needle system.
- ▶ A blunt plastic cannula replaces the standard needle, to provide needle-free safety while requiring little or no change in existing protocol or IV procedures.
- ▶ Designed to eliminate accidental needle stick.
- ▶ Provides a swabbable injection site that is a closed system, accessed by inserting a cannula.
- ▶ Designed to ensure a safe, secure connection with Clip Lock cannula.
- ▶ Compatible with IV fluids, including blood and lipids.
- ▶ Visually inspect — with a clear outer housing that allows visible flush confirmation, and an open fluid path that has no fluid entrapment areas.
- ▶ Clean — its smooth access surface facilitates effective cleaning and disinfection.
- ▶ Connect — minimal connection force is needed, allowing quick, effortless access and easy syringe connection.
- ▶ We offer a variety of needleless connector devices to meet the desired need of individual facilities.

Code	Description
Safesite	Compatible with IV fluids, including blood and lipids.
SafesiteY	Compatible with infusion set and IV burettes
SafesiteP	Innovative positive displacement feature is designed to help reduce catheter occlusions while preventing healthcare workers from accidental needlestick injuries. Compatible with IV catheter.
Safespike	Compatible with all infusion bottle or medication vial, the ergonomic grip design is ideal for clinician handling and patient comfort, offering an easy-grip barrel designed to minimize slips and touch contamination, help make reconstituting, admixing and IV drug delivery secure and cost-effective.
SafespikeF	With filter, help make reconstituting, admixing and IV drug delivery secure and cost-effective. Help ensure fluid integrity by removing contaminated particles with a broad range of filtration devices. 1, Min. dia. of filter: 0.45µm 2, Min. dia. of filter: 5µm



Safesite

SafesiteP

SafesiteY

Hazardous drug safety

Sharps disposal solutions



Safety box for the disposal of used sharps

It could contain used contaminated sharps (including syringe, needles, phlebotomy devices, suture needles, IV insert needles, butterflies, lancets, scalpels) safely and efficiently, until safe disposal or recycling:

- At the point of use
- During temporary storage
- During handling and transport to the point of treatment and final disposal.

Features

- ▶ Exactly meet the requirements of WHO/PQS/E10/SB01.1.
- ▶ Resistance average force of penetration more than 15N from each position.
- ▶ Resistance damage during 100 drops from height of 0.8m.
- ▶ Resistance temperatures of up to 170 C periods up to 30minutes.
- ▶ Resistance to 48 hours at 43 C and 90% relative humidity in 5mm of water.
- ▶ Could be supplied flat-packed to minimize shipping and storage volume.
- ▶ Clearly marked with international bio-hazard warning.
- ▶ Could be carried in one hand without spillage of contents and without risk of needle stick injury.
- ▶ The Bio-degradable cardboard recycled material is used.
- ▶ Non-toxic inks, glues and dyes.
- ▶ Clear pictorial instructions without writing.
- ▶ Chinese invention patented.

Code	Size	Sharp aperture dimension
SBS1.25	1.25L	Dia. 38mm
SBS2.5	2.5L	Dia. 38mm
SBS5	5L	Dia. 38mm
SBS10	10L	Dia. 38mm
SBS15	15L	Dia. 38mm
SBS20	20L	Dia. 38mm

● Colors: Unbleached sulphate board, or non-chlorine bleached white, or yellow

Hazardous drug safety

Sharps disposal solutions



Sharp container

The waste containers used for disposal of hospital waste, it is characterized by an elevated level of safety and reliability. The material used for production guarantee the solidity, the hermetic closure, and the high resistance to shock and puncture. The containers are equipped with disposable lids.



Code	Volume (L)	Diameter (cm)	Height (cm)
SC-1R	1.0	11.5	12.5
SC-2R	2.0	13.5	14.5
SC-3R	3.0	16.5	17
SC-4R	4.0	17.5	18.5
SC-5R	5.0	19.5	20
SC-6.5R	6.5	21.0	21
SC-8R	8.0	23.0	23
SC-15R	15.0	27.0	27
SC-3.5S	3.5	20×16×13	
SC-5S	5.0	25×20×15	
SC-8S	8.0	30×22×16	
SC-15S	15.0	30×22×30	
SC-30S	30.0	34.5×24.5×42	

Hazardous drug safety

Sharps disposal solutions



Ultimate sharps safety stations (needle counter)

It is used for needle or sutures counting in the operation room, dangerous sticks from uncounted needles. Can be safely avoided from the needle stick injury.

Features

- ▶ We offer a wide selection of counting and disposal systems that utilize foam block, foam strip, adhesive or magnetic retention.
- ▶ Each system is housed in a flexible, impact-resistant plastic box that provide protection while minimizing unnecessary handling.
- ▶ We have USA PETENT for needle counter with more safety and function, exclusive authorized manufacturer in China.
- ▶ PCT with a priority date was already initiated.
- ▶ Detachable halves allow the same needle counter to be used in two separate areas.
- ▶ 2 universal needle safety holding device enable to hold either disposable syringe or scalpel.
- ▶ Surgical blade safety removal device with a protection wall to protect the jumping of blades.
- ▶ A needle sheathing safety device to help user's hand free and clear of the needle.
- ▶ The safety lock device guarantees the needle or blade will not slip from the gap of needle counter.
- ▶ The combination of latch and hinge provides a surprisingly secure, simple and inexpensive integrally safety box.



Code	Counts	Spec.
NC10	10	Magnet/ foam block/ foam strips/adhesive magnet strip/ clear lid are optional
NC15	15	
NC20	20	
NC30	30	
NC40	40	
NC60	60	Ultimate with safety needle, blade removal device, and safety lock device
NC80	80	
UNC20-1	20	
UNC20-2	20	
UNC40-1	40	
UNC40-2	40	

Endoscope transport pad

It is used to pack the disposal medical drape and kits after surgery, with the drawstring design which is easy for disposal.
Dimension: 93*100cm with core size: 41*100cm, Paper + PE material 90g.
Any customization sizes are available.



ETP01

Hazardous drug safety

Safety medical products for NEEDLE STICK PREVENTION



Although the Needle Stick Safety and Prevention Act was signed into legislation in the United States in 2000, there still remains much to be done to protect health care workers against sharps injuries that potentially expose them to deadly blood borne pathogens. According to recent research, (2011 Healthcare Worker Risks from Short Peripheral Catheter Insertion), percutaneous injuries to healthcare workers from a sharps device are four times more likely to occur than mucocutaneous exposure and pose a greater threat to disease transmission. Also, according to the 2008 Study of Nurses Views on Workplace Safety and Needle Stick Injuries, nearly two-thirds of US nurses say needle stick injuries and blood borne infections remain major concerned.

In order to protect health care workers against sharps injuries, KB Medical Group is committed to address these issues by providing the most effective safety-engineered therapy devices for optimum safety in the hospitals.

Our safety family products includes:
(For detail product information, go to the page mentioned below) :

- ▶ Safety scalp vein set (Page 1).
- ▶ Safety IV cannula (Page 6).
- ▶ Safety syringe (Page 11-13).
- ▶ Safety needle (Page 14-15).
- ▶ Auto-Disable syringe(Page 17-18).
- ▶ Safety drug preparation needle (Page 22-23).
- ▶ Needle free system (Page 24).
- ▶ Safety box for the disposal of used sharps (Page 25).
- ▶ Sharp container (Page 26,52).
- ▶ Ultimate sharps safety stations (Page 27).
- ▶ Safety blood collection needle (Page 34).
- ▶ Safety blood lancet (Page 35).
- ▶ Safety fistula needle (Page 47).
- ▶ Safety insulin syringe (Page 49-50).
- ▶ Safety insulin pen needle (Page 51).



Nutrition therapy

ISO80369-3



Low dose

With the further research on the structure and function of gastrointestinal tract, it has been gradually recognized that gastrointestinal tract is not only an organ of digestion and absorption, but also an important immune organ.
Enteral feeding refers to the delivery of a nutritionally complete feed, containing protein, carbohydrate, fat, water, minerals and vitamins, can directly into the stomach, duodenum or jejunum.
Enteral nutrition is the nutritional support provided by the gastrointestinal tract to provide nutrients needed for metabolism and other nutrients. It depends on the length of time, mental state and gastrointestinal function.
There are three ways for enteral access:

- 1, Nasogastric feeding.
- 2, Gastrostomy.
- 3, Jejunostomy.

We offer the various components for Enteral nutrition therapy.

ENFit® syringe

Features

- ▶ The Enteral ENFit® syringe tip is compliant with the ISO80369-3 to help reduce the risk of misconnections.
- ▶ Offer a full range and are the result of research aimed at creating a product with certified quality and safety features.
- ▶ DEHP Free.
- ▶ Latex free plungers, made of synthetic rubber which does not contain natural latex, in order to prevent any allergies.
- ▶ Low dose syringes have a male design feature within the ENFit® female connector to prevent volume in the dead space.
- ▶ Tip cap is available. (ENC6, Page30).



Spec.	Size	Code
Enfit and low dose	1ml	ES1
Enfit and low dose	3ml	ES3
Enfit and low dose	5ml	ES5
Enfit	10ml	ES10
Enfit	20ml	ES20
Enfit	30ml	ES30
Enfit	60ml	ES60
Bulb	60ml	BS60
Thumb control ring	60ml	TS60
Catheter tip	60ml	CT60

Nutrition therapy

ISO80369-3



The ENFit® connector

Features

- ▶ The ENFit® connector is compliant with the ISO80369-3 to help reduce the risk of misconnections.
- ▶ The ENFit® connector make enteral feeding and medication administration easy, efficient and most importantly, comfortable for patients.
- ▶ Have a wide range of connector for enteral feeding which along with the syringes, complete a range of products which enable solutes and medication to be prepared and administered in complete safety.
- ▶ Customized different connectors according to requirements.



ENC1



ENC10



ENC2



ENC3



ENC4



ENC5



ENC6



ENC7



ENC8



ENC9

Nutrition therapy



ISO80369-3



ENFit® Feeding set

Features

- ▶ ENFit® feeding sets are compliant with the ISO 80369-3 to help reduce the risk of misconnections.
- ▶ Patient label provides convenient patient documentation.
- ▶ Latex-free and DEHP-free.
- ▶ EVA material available.

Advantage of EVA material

- ▶ Ensure absolute Non-DEHP, Non-TOTM, Non-DOA or any other plasticizer.
- ▶ Ensure absolute non risk of toxicity.
- ▶ Ensure the maximum safety for enteral feeding technology.



ENF01

- ▶ ENPLUS spike with cap.
- ▶ PVC tube 1.73m /2.28m /customized.
- ▶ Regulator with wheel.
- ▶ Drip chamber.
- ▶ Y connector with cap.
- ▶ ENFit® lock female connector with cap.
- ▶ Patient label.
- ▶ Silicon insert(optional) 11cm / 13cm / customized.



ENF02

- ▶ Feeding bag (1000/1200/1500ml).
- ▶ PVC tube 1.73m /2.28m / customized.
- ▶ Regulator with wheel.
- ▶ Drip chamber.
- ▶ Y connector with cap.
- ▶ ENFit® lock female connector with cap.
- ▶ Patient label.
- ▶ Silicon insert(optional) 11cm / 13cm / customized.



ENF03

- ▶ Feedcap adaptor.
- ▶ PVC tube 1.73m /2.28m / customized.
- ▶ Regulator with wheel.
- ▶ Drip chamber.
- ▶ Y connector with cap.
- ▶ ENFit® lock female connector with cap.
- ▶ Patient label.
- ▶ Silicon insert(optional) 11cm / 13cm / customized.



ENF04

- ▶ Spike with cap.
- ▶ PVC tube 1.5m/customized.
- ▶ Drip chamber.
- ▶ Regulator with wheel.
- ▶ Feeding connector with cap.

Code	Description	Use	Code	Description	Use
ENF01G	ENPLUS with Y port	Gravity	ENF01P	ENPLUS with Y port	Pump
ENF02G	1000/1200/1500ml with Y port	Gravity	ENF02P	1000/1200/1500ml with Y port	Pump
ENF03G	Feedcap adaptor with Y port	Gravity	ENF03P	Feedcap adaptor with Y port	Pump
ENF04G	Spike with feeding connector	Gravity			

Nutrition therapy



ISO80369-3



Oral syringe

Features

- ▶ We can offer both clear and amber syringe.
- ▶ Special tip design for wrong route administration prevention.
- ▶ Clear dose scale for accurate volume confirmation.
- ▶ Amber barrel design for protect light-sensitive drug.
- ▶ Tip cap is available.



Type 1

Specification	Size	Code
		Type 1 Type 2
Oral tip	1ml	ORS1-01/ORS2-01
Oral tip	3ml	ORS1-03/ORS2-03
Oral tip	5ml	ORS1-05/ORS2-05
Oral tip	10ml	ORS1-10/ORS2-10
Oral tip	20ml	ORS1-20/ORS2-20
Oral tip	30ml	ORS1-30/ORS2-30
Oral tip	50ml	ORS1-50/ORS2-50



Type 2

Irrigation syringe

Features

- ▶ Irrigation syringes are designed for simplicity and efficiency of care.
- ▶ Irrigation syringes are available sterile or non-sterile to suit your clinical need.
- ▶ Includes syringe tip protector.



URCS12

URBS60

URTS60

URF560

For detail product information go to page46.

Specimen collection

Blood collection needle



Blood collection system has advanced the science of specimen collection to help laboratory tests become the foundation for 70% of all medical decisions. Today, the gold standard in sample collection is blood collection family, which most of the hospitals rely on to enhance their sample quality and protect their nurses, phlebotomists and other caregivers from costly accidental needle stick injuries. These products, backed by unrivaled customer support and training, help hospitals every day enhance lab productivity and workflow by reducing retests, recollects and instrument downtime.



- ▶ Blood collection needle with scalp vein set, Latex free.
- ▶ Soft and transparent tube, can observe the vein blood flow clearly.
- ▶ Double wings make puncture more safe.
- ▶ Different color wings means different sizes.



- ▶ Pen type blood collection, latex free.
- ▶ Multi-sample needles permit several samples to be taken with a single puncture.
- ▶ Sharp & smooth edges make penetration painless, easy connection to rubber stoppers.



- ▶ Blood collection needle with hypodermic needle holder, latex free.

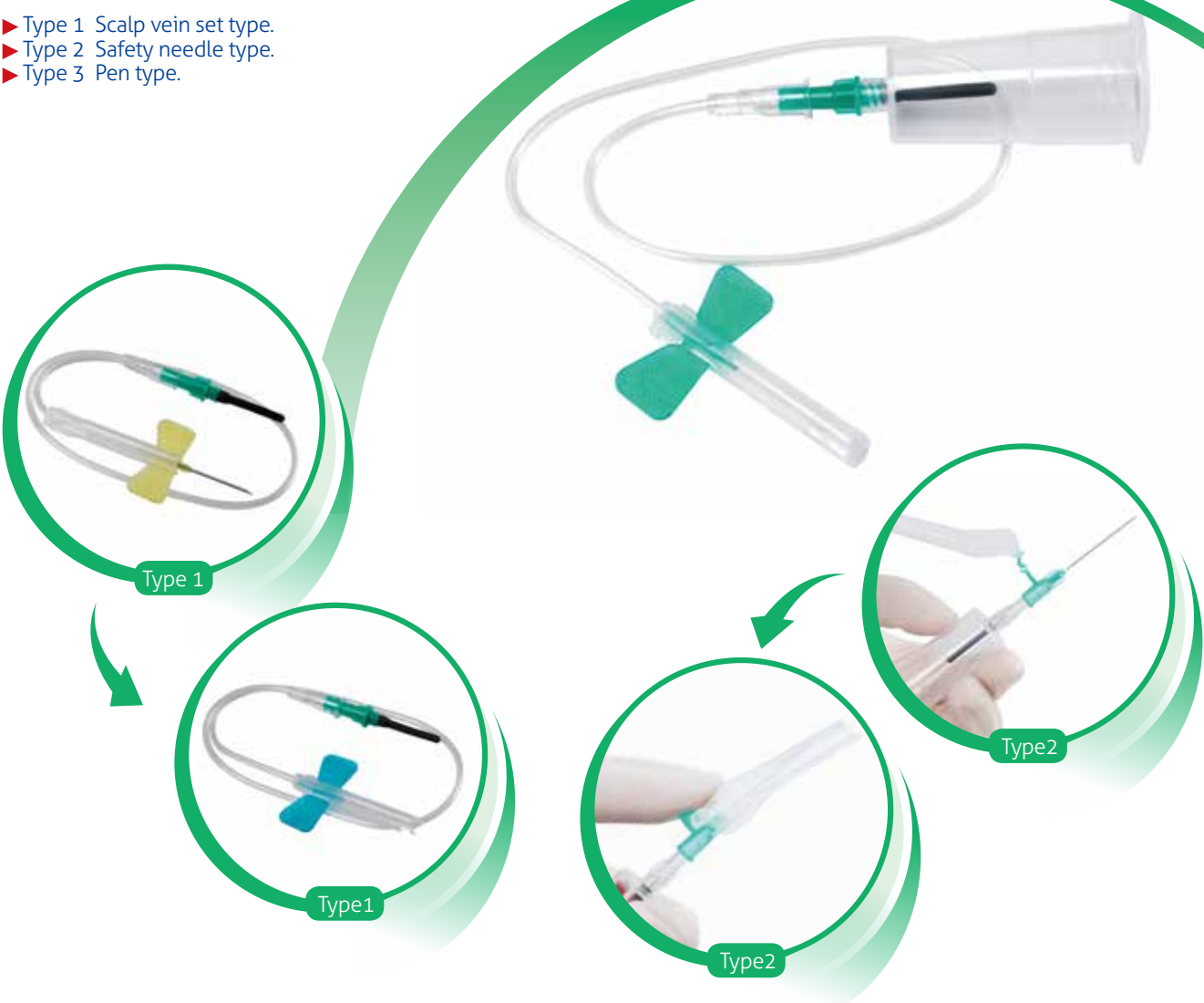
Specimen collection

Safety blood collection needle



It is used for aspiration of blood, the safety mechanism help to eliminate accidental needle stick injuries.

- ▶ Type 1 Scalp vein set type.
- ▶ Type 2 Safety needle type.
- ▶ Type 3 Pen type.



Size		Color	Code					
			Normal blood collection needle			Safety blood collection needle		
OD(mm)	Gauge		Type1	Type2	Type3	Type1	Type2	Type3
0.40	27G	Grey	BCN27-1	BCN27-2	BCN27-3	SBCN27-1	SBCN27-2	SBCN27-3
0.45	26G	Brown	BCN26-1	BCN26-2	BCN26-3	SBCN26-1	SBCN26-2	SBCN26-3
0.50	25G	Orange	BCN25-1	BCN25-2	BCN25-3	SBCN25-1	SBCN25-2	SBCN25-3
0.55	24G	Purple	BCN24-1	BCN24-2	BCN24-3	SBCN24-1	SBCN24-2	SBCN24-3
0.60	23G	Blue	BCN23-1	BCN23-2	BCN23-3	SBCN23-1	SBCN23-2	SBCN23-3
0.70	22G	Black	BCN22-1	BCN22-2	BCN22-3	SBCN22-1	SBCN22-2	SBCN22-3
0.80	21G	Green	BCN21-1	BCN21-2	BCN21-3	SBCN21-1	SBCN21-2	SBCN21-3
0.90	20G	Yellow	BCN20-1	BCN20-2	BCN20-3	SBCN20-1	SBCN20-2	SBCN20-3
1.10	19G	Cream	BCN19-1	BCN19-2	BCN19-3	SBCN19-1	SBCN19-2	SBCN19-3
1.20	18G	Pink	BCN18-1	BCN18-2	BCN18-3	SBCN18-1	SBCN18-2	SBCN18-3

Remark: normal size in above table, we can also make special size as clients' request.

Specimen collection

Safety blood lancet



SBL02

SBL01



Heel Incision

It is used in blood collection sampling, and help eliminate accidental needlestick injuries.

Product Features

- ▶ Needle is fully shielded before and after use.
- ▶ Cannot be reused.
- ▶ Sterilized by gamma ray.
- ▶ Pre-loaded operating design ensures a good blood sample.
- ▶ Ultra sharp tri-bevel needle, high speed penetration.
- ▶ Multiple depth selection with color coding.

Code	Code	Size	Length	Application
TYPE 1	TYPE 2			
SBL01-28	SBL02-28	28G	1.8mm	New item, less pain Diabetes clinics/hospital wards for blood glucose monitoring Haemoglobin, cholesterol blood typing, coagulation, blood gas and other diagnostic tests, For paediatrics and normal adult skin Special baby care and maternity units for heel puncture-neonates and preemie
SBL01-26	SBL02-26	26G	1.8mm	
SBL01-21	SBL02-21	21G	1.8/2.2/2.8mm	
SBL01-18	SBL02-18	18G	1.8mm	

Specimen collection

Blood collection tube



We provide a full offering of blood collection tubes in both glass and plastic.

Blood collection tubes include silicone coated tubes that indicate the interior surface of the blood collection tube has been coated with a water soluble silicone material.

Type	Code
Glass blood collection tube	BCT01
Plastic blood collection tube	BCT02
Microcollection tube	BCT03
Non-vacuum blood collection tube	BCT04



Color	Additive	Application	Volume	Size	Color	Additive	Application	Volume	Size
Red	Plain	Serum blochemistry	3ml	13×75	Green	Heparin Lithlum/Sodium	Plasma blochemistry	2ml	13×75
		Electrolyte		13×100			Blood gas analysis		13×100
		Tumor mark					Blood stream changing		
		Medicament inspecting						3ml	
		Thyroid function						4ml	
		AIDS inspecting						5ml	
Red	Coagulant		5ml		Purple	EDTA-K2 EDTA-K3 EDTA-Na2	Blood routine Examination(Red blood cell, White blood cell, Blood platele, Classify of blood cell)		
			7ml					1ml	13×75
		Serum blochemistry	3ml	13×75					13×100
		Electrolyte		13×100					
		Tumor mark							
		Medicament inspecting						2ml	
Yellow	Separating gel conagation activator	Thyroid function			Black	3.8% Sodium Citrate	Erythrocyte sedimentation rate(ESR)		
		AIDS inspecting						2ml	13×75
			5ml						13×100
			7ml					2.4ml	
		Serum blochemistry	2ml	13×75				1.8ml	13×75
		Electrolyte		13×100					13×100
White	Sodium fluoride/ potassium oxalate	Tumor mark			Blue	3.8% Sodium Citrate buffer solution	PT, APTT, TT, Fig Platelet coglutination Testing		
		Medicament inspecting							
		Thyroid function						2.7ml	
		AIDS inspecting						3.6ml	
			4ml						
			6ml					1.8ml	13×75
Blue	3.8% Sodium Citrate buffer solution	Blood sugar test	3ml	13×75	Blue	3.8% Sodium Citrate buffer solution	Platelet coglutination Testing(PAGT)		13×100
		Tolerance tasting for blood sugar		13×100					
								2.7ml	

Anesthesia & pain management



Spinal needle



Subdural, lower thorax and lumbar spinal puncture.

Features

- ▶ Full sizes of anesthesia needles.
- ▶ Identified as spinal needle bevel quincke tip, pencil point tip and epidural needle.
- ▶ 304 stainless steel needle tubes and stylets.
- ▶ International colour coding.
- ▶ With mounted introducer needle.
- ▶ Luer lock hub.



Quincke tip

Quincke tip	Introducer	Length	Code
18G×3-1/2"	None	38-220mm	SNQ18
19G×3-1/2"	None	38-220mm	SNQ19
20G×3-1/2"	None	38-220mm	SNQ20
21G×3-1/2"	None	38-220mm	SNQ21
22G×3-1/2"	None	38-220mm	SNQ22
23G×3-1/2"	19G×1-1/2"	38-220mm	SNQ23
24G×3-1/2"	20G×1-1/2"	38-220mm	SNQ24
25G×3-1/2"	20G×1-1/2"	38-220mm	SNQ25
26G×3-1/2"	20G×1-1/2"	38-220mm	SNQ26
27G×3-1/2"	22G×1-1/2"	38-220mm	SNQ27

- ▶ Trauma-free QUINCKE short tip to ensure immediate injection point closure and reduced CSF loss.
- ▶ Differentiated angle coupling of needle and obturator tip to avoid production and movement of tissue fragments, improving operator sensitivity.



Pencil point

Pencil point	Introducer	Length	Code
22g×3-1/2"	None	90-220mm	SNP22
23G×3-1/2"	19G×1-1/2"	90-220mm	SNP23
24G×3-1/2"	20G×1-1/2"	90-220mm	SNP24
25G×3-1/2"	20G×1-1/2"	90-220mm	SNP25
26G×3-1/2"	20G×1-1/2"	90-220mm	SNP26
27G×3-1/2"	22G×1-1/2"	90-220mm	SNP27

- ▶ With no sharp edges separates fibers without slicing.
- ▶ The lateral hole shape and its position relative to the tip favour rapid CSF reflux and effective analgesic administration.
- ▶ Reduce the risk of saddle block.

Anesthesia & pain management



Anesthesia kit



Single-use anesthesia set is clinically used for epidural or spinal anesthesia during puncture and drug injection. This product can only be for single-use, in order to avoid cross-infection. It contains the unique components needed to perform anesthesia operation.



AK01

Components

- ▶ Epidural needle, Size: 15G,16G,17G,18G. Length: 80mm, 90mm.
- ▶ Spinal needle, Type: Quincke tip & pencil point, Size: 18G,19G,20G,21G,22G,23G,24G,25G,26G,27G. Length: 38mm--150mm.
- ▶ Epidural catheter, Size: OD: ϕ 1.0, OD: ϕ 0.8, Length: 850mm.
- ▶ Epidural filter: 0.22µm with hydrophobic membrane luer lock.
- ▶ LOR syringe: 5ml, 7ml, 10ml.
- ▶ Catheter adaptor: TBA, secure the catheter completely.

Optional

- ▶ Epidural kit, spinal kit and combined kit available.
- ▶ Catheter with /without metal wire available.
- ▶ Precision filter 0.2-5µm available.
- ▶ Double layer UV filter 0.2-5µm are available.
- ▶ Any customization components.

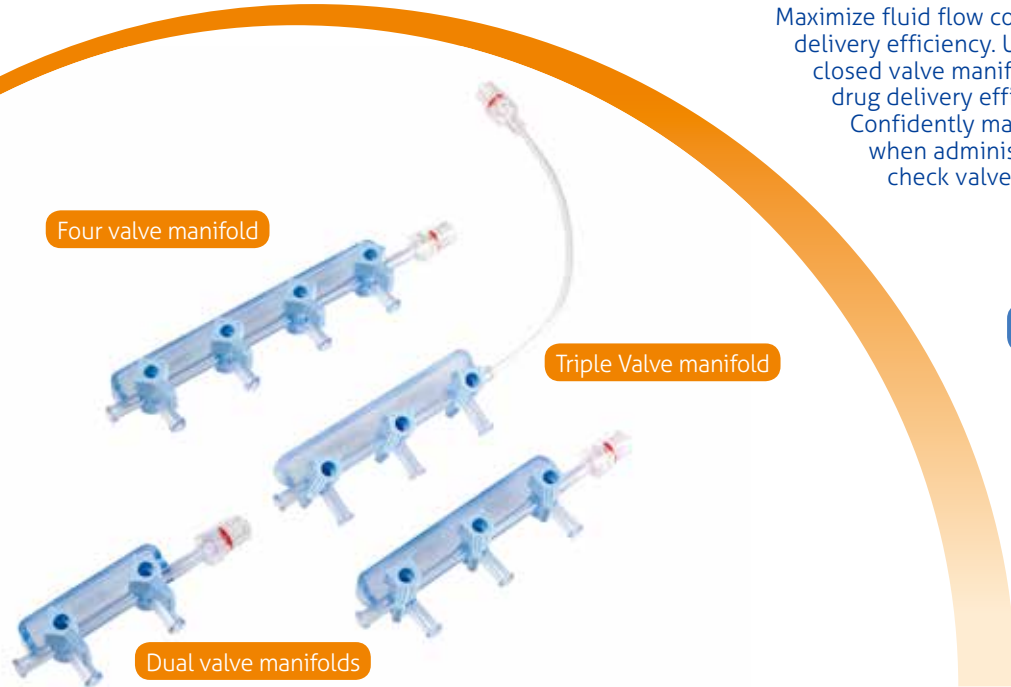
Anesthesia & pain management



High pressure manifold



Maximize fluid flow control and fluid and drug delivery efficiency. Use two and three port normally closed valve manifolds for maximum fluid and drug delivery efficiency in the Operating Room. Confidently maintain drug dosing integrity when administering multiple drugs with back check valves in each port.



Features

- ▶ No leakage under 500psi.
- ▶ Smooth rotation, easy use.
- ▶ Different color for choice.
- ▶ DEHP-free, Latex-free.

Code	Spec.
HPM2	Dual Valve
HPM3	Triple Valve
HPM4	Four Valve

NRFit™ syringe

It is used for regional anesthesia, the new patient safety initiative neuraxial products with NRFit™ connectors according to American Society of Anesthesiologists (ASA) meeting, Oct. 22-26 in Chicago 2016. All healthcare facilities are expected to begin converting to meet the ISO standard requiring NRFit connectors for neuraxial use. Healthcare facilities has already taken legislative action by mandating that convert to these new standardized epidural products by Jan. 1, 2017.



Features

- ▶ NRFit™ connectors design-- ISO80369-6 compliant.
- ▶ Neuraxial applicant connector.
- ▶ Small bore connectors that are intended to prevent misconnections to improve patient safety.

Code	Size	Type
NRS3	3ml	NRFit™ connector
NRS5	5ml	NRFit™ connector
NRS10	10ml	NRFit™ connector
NRS20	20ml	NRFit™ connector

Transfusion therapy



Gravity blood administration sets



Filtration for various blood IV administration needs.

Features

- ▶ Sharp spike is easy to puncture.
- ▶ Plastic spike/metallic spike available.
- ▶ Vented with hydrophobic bacterial filter.
- ▶ The ISO standard spike can fit with any blood bags.
- ▶ Soft and transparent chamber.
- ▶ Extra soft & kink resistant tubes.
- ▶ Acute roller clamp.
- ▶ With 200micron filtration.
- ▶ Latex free.
- ▶ Straight and Y type are available.
- ▶ DEHP free tube is available.

BTS001

● Big chamber with air inlet

BTS002

● Big chamber without air inlet

BTS003

● Blow chamber

Transfusion therapy



Blood bag

It is used to collect and preserve whole human blood and blood components in hospital or blood bank.



Features

- Our blood bag could not only guarantee high quality of the blood components but also to provide maximum safety during blood donation and sample collection.
- The safety needle shield enhances safety against the accidental needle stick injury that can transmit HIV, Hepatitis B and C and other blood borne diseases.
- Closed system & reusable blood sampling with vacuum tube.
- Label material with pre-cutting line and could not be tear integrated.



BB01/Single
Single blood bag is used for collection of whole human blood. It consists of one bag containing anticoagulant solution CPDA.

BB02/Double
Double bag system consists of one primary bag containing anticoagulant solution CPD/CPDA and one empty satellite bag, for separation of half plasma.

BB03/Triple
Triple bag system consists of one primary bag containing anticoagulant solution CPD/CPDA, one satellite bag containing SAGM preservation solution, and one empty satellite bag. This additive can maintain red blood cell viability, with over 80% of survival rate after 5 weeks of storage.

BB04/Quadruple
Quadruple bag system consists of one primary bag containing anticoagulant solution CPD/CPDA, one satellite bag containing SAGM preservation solution, and two empty satellite bags. The additive SAGM can maintain red blood cell viability, with over 80% of survival rate after 5 weeks of storage.



BB03/Triple

Transfusion therapy

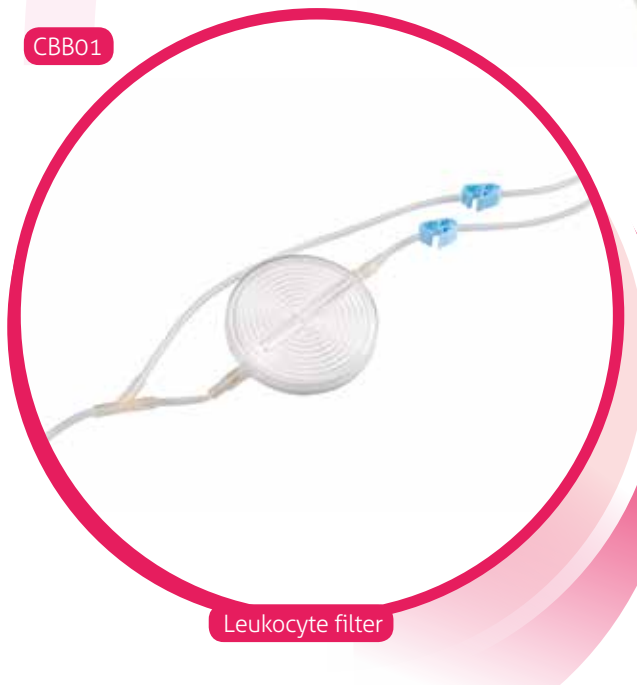


Cord blood bag

It is designed to collect the umbilical cord blood (also known as placental blood) after the birth of the baby, within the shortest time and minimal risk of contamination. The clinical use of the cord blood is allergenic transplantation in patients suffering from severe blood diseases such as leukemia, lymphoma, etc.



CBB01



Leukocyte filter



Sampling device & safety needle protector

Optional

- Top and top system.
- Top and bottom system.
- Empty transfer bag.
- PALL leukocyte filtration system.
- Blood sampling with vacuum tube.
- Customization bags.

Urinary care

Urine drainage bag



Urinary drainage bags are intended to collect urine from sheaths or catheters. It provides solutions to help improve patient safety and infection prevention in urinary care.

Features

- ▶ Anti-reflux drip chamber on the bag helps prevent urine reflux.
- ▶ With airvent and non-return valve
- ▶ Varies choice of components: universal hanger, bed sheet clamp, dog house, needless samples port.
- ▶ High grade PVC.
- ▶ Latex free.
- ▶ Tyvek pouch for O.R. pack or PE packing.



UDBA20 ● Apple shape 2000ml



UDBD20

● Diamond shape 2000ml



UDBRT20

● Rectangle shape with T tap outlet 2000ml



UDBRP20

● Rectangle shape With pull outlet 2000ml



UDBR20

● Rectangle shape without outlet 2000ml

Urinary care

Leg bag



- ▶ Rectangle or arc style for customer option.
- ▶ It is secured with two comport straps in latex free, they have a twist drainage outlet or flip flow valve for easy emptying.
- ▶ T-tap outlet or twist outlet for one hand easy emptying.
- ▶ With white fabric for comfort skin touch.
- ▶ Tube length 30-90cm for customer option.

Code	Spec.
LB500	500ml
LB600	600ml
LB750	750ml
LB900	900ml
LB1000	1000ml



Urine meter

Features

- ▶ Designed for easy bag suspension with a reinforced double hanger and built-in anti-back guide.
- ▶ Convenient needleless sample port is accessible with either needleless or blunt cannula, and offers added protection for patient and caregiver.
- ▶ Adjustable bed sheet clamp secures tubing.
- ▶ Include additional rope hanger.

Code	Spec.
UM01	400ml meter with 2600ml bag, 3 chambers.
UM02	400ml meter with 2000ml bag, 2 chambers.
UM03	500ml meter with 1500ml bag, 4 chambers.
UM04	200ml meter with 2000ml bag, 1 chamber.
UM05	500ml meter with 2000ml bag, 1 chamber.
Remark: 200ml-500ml capacity meter is available	



Urinary care

Irrigation tray

Irrigation tray is designed to improve simplicity and efficiency of care.



URIT1000

Components

Qty	Description	Qty	Description
1ea	1000ml collection tray	2ea	Alcohol prep pad
1ea	500 ml graduated container	1ea	Moisture-proof under pad 45x45cm
1ea	60ml bulb or thumb control ring syringe	1pr	Vinyl gloves
1ea	Protector cap		

Urinary care

Irrigation syringe



Bulb syringe

Features

- ▶ Flexible soft bulb promotes one handed administration.
- ▶ Designed to stand on the bulb end to help minimize contamination.
- ▶ Patient label provides convenient patient documentation.
- ▶ Sterile, Latex free, DEHP free, and BPA free.
- ▶ Includes syringe protector cap.

Thumb control ring syringe

Features

- ▶ Thumb control ring top allows for maximum control and one handed administration.
- ▶ Precision crafted O-ring plunger ensures a positive seal
- ▶ Re-sealable pole bag designed for safe and convenient storage.
- ▶ Patient label provides convenient patient documentation.
- ▶ Sterile, Latex free, DEHP free, and BPA free.
- ▶ Includes syringe tip adapter and protector cap.

Flat top piston syringe

Features

- ▶ Precision crafted O-ring plunger ensures a positive seal.
- ▶ Visible dosing marks designed for ease of use.
- ▶ Latex free, DEHP free, and BPA free.
- ▶ Includes syringe luer tip adapter and protector cap.

Size	Description	Code
60ml	Thumb control ring type	URTS60
60ml	Bulb type	URBS60
60ml	Flat top piston	URFS60
12ml	Curved tip	URCS12



Renal therapy

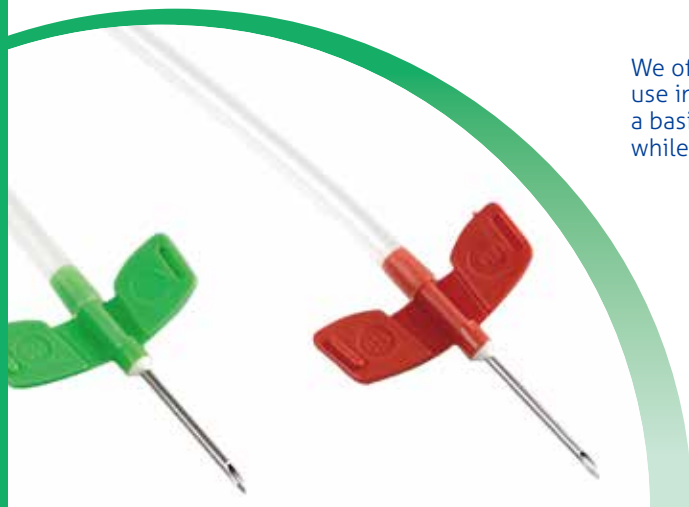
Fistula needle



We offer innovative, high performance products and services for use in dialysis. The core of the Renal Therapies spectrum provides a basis which targets improved clinical outcomes for the patient, while minimizing costs and risks for the healthcare providers.

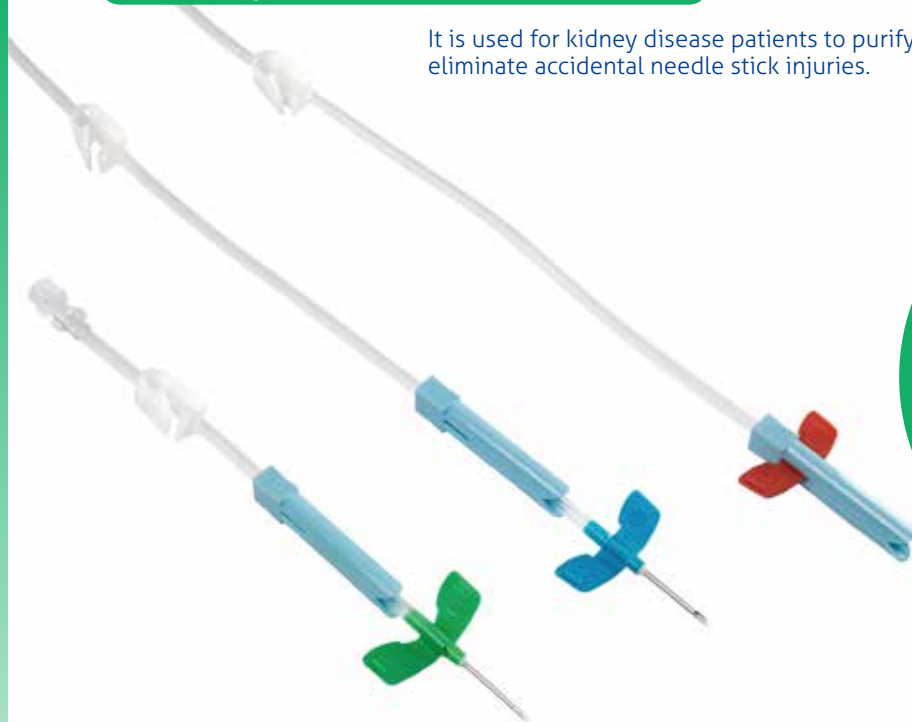
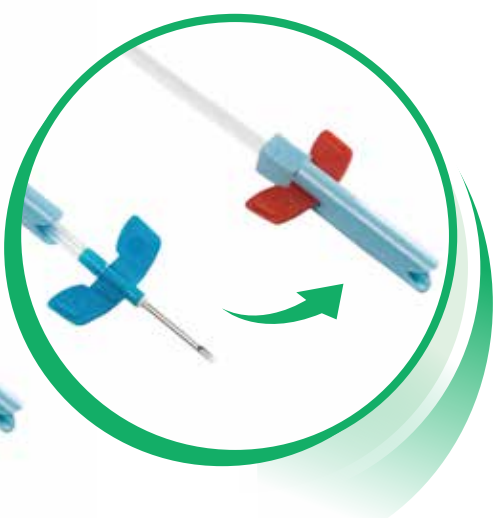
Features

- ▶ Fixed and rotary wings are available.
- ▶ Japanese made sharp needle proves to be high quality.
- ▶ The large oval orifice on the needle back.
- ▶ Unique design and smooth finish.
- ▶ Super silicon coating of inner and outer needle wall to easy of penetration and minimize the pain.
- ▶ The spiral connector fits perfectly with dialysis line.



Safety fistula needle

It is used for kidney disease patients to purify the blood, the safety mechanism help to eliminate accidental needle stick injuries.



Code	Gauge	Size, length and color	Description
Non-safety/Safety			
AVFR15/AVFRS15	15G×1"	1.8×25mm Blue	Rotary wing with back eye
AVFR16/AVFRS16	16G×1"	1.6×25mm Green	Rotary wing with back eye
AVFR17/AVFRS17	17G×1"	1.4×25mm Orange	Rotary wing with back eye
AVFF15/AVFFS15	15G×1"	1.8×25mm Blue	Fixed wing with back eye
AVFF16/AVFFS16	16G×1"	1.6×25mm Green	Fixed wing with back eye
AVFF17/AVFFS17	17G×1"	1.4×25mm Orange	Fixed wing with back eye

Renal therapy

Blood line



Features

- ▶ More than 500 types can fit with Fresenius, Cambro, B Braun, Nipro, Baxter hemodialysis machine.
- ▶ Luer type is tight with the adapter of fistula needle.
- ▶ Different clamps fit for tubes of different diameter.
- ▶ Fixed connector with the wing is easy to join the adapter of hemodialysis machine.
- ▶ Customization model are possible upon the requirements.



Code: BL

Hemodialysis care kit

HCK



Qty	Description	Qty	Description
	Before compartment		After compartment
1ea	Surgical drape 45×45cm	1ea	Surgical drape 45×45cm
1pr	Examination glove	1pr	Examination gloves
5ea	Gauze ball plain type 4"×4"	2ea	Gauze ball plain type 4"×4"
1ea	Alcohol swab	1ea	Alcohol swab
2ea	Adhesive non-woven dressing with open cut in "U" shape	4ea	Gauze swab 7×7cm
4ea	Adhesive non-woven dressing for stabilizing the A-V lines	2ea	Surgical dressing in size 5×8cm
		2ea	Plastic band 40cm

Diabetes care



Safety insulin syringe



Safety insulin syringes with integrated needle. The innovative safety insulin syringe offers comfort and easy insulin therapy injection. And help eliminate accidental needle stick injury.

Features

- ▶ No gap design guaranteed the complete injection without dead space.
- ▶ Premium needle quality and silicon-coated to ease skin penetration and minimize pain.
- ▶ Convenient to use, safety mechanism will be activated when the intended dose has been delivered.
- ▶ Pull back the plunger after injection, the locking ring secures the needle in the barrel of the syringe preventing the reuse of syringes.
- ▶ Special design can prevent the needle back into the barrel occasionally.
- ▶ Visual confirmation of safety activation.
- ▶ Various range of syringes to meet the clinical requirements.



Type 1

Insulin syringe

Syringes for subcutaneous insulin therapy injection.

Features

- ▶ Premium needle quality and silicon-coated to ease skin penetration and minimize pain.
- ▶ High transparency barrel with clearly readable graduated scale for better dose precision.
- ▶ No-dead-space.

Code	Unit	Size	Needle size
ISO3	U-100	0.3ml	25-33G×5/16"-1/2"
ISO5	U-40/U-1000	0.5ml	25-33G×5/16"-1/2"
ISO10	U-40/U-100	1ml	25-33G×5/16"-1/2"

● Needle sizes according to customer's requests



Diabetes care



Safety insulin syringe



Features

- ▶ The innovative engineered safety mechanism to potentially reduce the risk of needle stick injury.
- ▶ By pull the safety cartridge to withdraw the needle into cartridge after injection.
- ▶ Easy to lock by rotating the safety cartridge.
- ▶ Low dead space minimizes medication waste.
- ▶ Triple sharpened needle guaranteed the sharpness.
- ▶ Clear graduation to guarantee the accuracy in small dose injection.



Type 2

Using step

- ▶ Peel open the package and take out the syringe, ready for use.
- ▶ Extract the medication and pull up the safety cartridge to protect the needle, keep them at the surgical tray and ready for injection.
- ▶ Pull back the safety cartridge and inject the drug medication by pushing the plunger.
- ▶ After the injection, pull up the safety cartridge again to cover the needle tip to avoid the injury risk.
- ▶ Rotating the safety cartridge until final locked with an audible "click" which activating the ultimate safety mechanism.
- ▶ Dispose the syringe in trash bin.

Code	Size	Needle size
Type 1 / Type 2		
ISS1-03 ISS2-03	0.3ml	29-33G×5/16"-1/2"
ISS1-05 ISS2-05	0.5ml	29-33G×5/16"-1/2"
ISS1-10 ISS2-10	1ml	28-33G×5/16"-1/2"

Diabetes care



Safety insulin pen needle



Compatible with all pen injectors, help eliminate accidental needle stick injury.



Features

- ▶ Automatically achieve the function of protecting needle tip after use.
- ▶ Obvious observation of use status.
- ▶ Easy self-disable set.
- ▶ Easy to see the droplets.

Insulin pen needle

International standard luer lock connector is easy and safe for operation
Triple sharpened needle.
Thin wall technology ensures optimal insulin flow.
Premium needle quality and silicon-coated to ease skin penetration and minimize pain.
Cartridge tip is anti-friction treated for easy, fragment-free cartridge puncture, preventing insulin contamination.
Compatible with all pen injectors.



- ▶ NovoPen 4®
 - ▶ NovoPen 3®
 - ▶ NovoPen Junior®
 - ▶ NovoRapidFlexpen®
 - ▶ BD:Puregon Pen®
 - ▶ Sanofi: Aventis Lantus®
 - ▶ Sanofi: Optipen Pro 1®
 - ▶ Sanofi: TactiPen®
 - ▶ Owen Mumford: AutoPen®
 - ▶ Owen Mumford: AutoPen 2®
 - ▶ Lily: HumaPen®
- Extra short needle length 5mm, 38% shorter than 8mm needle to guarantee the sufficient of insulin delivery and greater injection comfort.

Code	Gauge	Size and length (mm)	Code	Gauge	Size and length (mm)
Safety/Non-safety			Safety/Non-safety		
IPNS33 IPN33	33G	0.2 x4-12mm	IPNS30 IPN30	30G	0.3 x4-12mm
IPNS32 IPN32	32G	0.23 x4-12mm	IPNS29 IPN29	29G	0.33 x4-12mm
IPNS31 IPN31	31G	0.25 x4-12mm			

Diabetes care



Sharp disposal container for insulin pen needle



The ideal solution for home disposal of used insulin pen needle.

Features

- ▶ The lid notches enable the pen needle to be removed safely, to avoid needle stick injury.
- ▶ Convenient for people handheld from all angles.
- ▶ No harmful medical grade material.
- ▶ Anti-leak flaps prevent leakage.



Code	Spec.	
INC02	0.2L	NC 02
INC005	0.05L	

Alcohol swab

Contain 70% isopropyl alcohol for optimum antibacterial action.

Features

- ▶ Are thicker and softer than many other swabs, helping ensure reliable site preparation for safe, hygienic insulin injections. They are also appropriate for other household uses.
- ▶ Individually foil wrapped in four layers.
- ▶ Provide an airtight seal that prevents leakage and drying.



AS 01