



Since 1986



# KB MEDICAL(GROUP),INC.

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## KB Medical Group Inc.

We Focus on a Strong Customer Orientation and Innovative, Top Quality Product Solutions.

[www.kbmed.com](http://www.kbmed.com)



# KB Medical Group



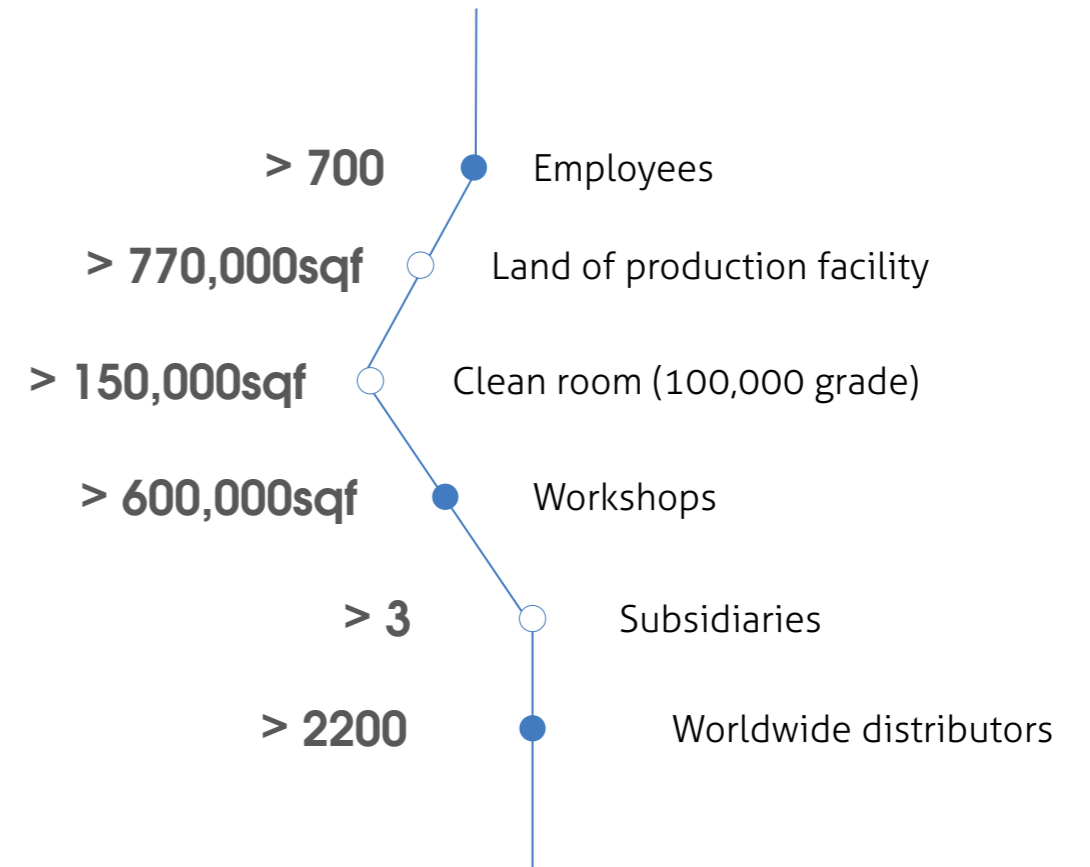
## About us

KB Medical Group, located in Irvine California, your leading global partner in the fields of Safety Parenteral Nutrition Support and Enteral Nutrition Solution, Preanalytical Specimen Collection System as well as in the world of research in Safety Medical Device, we use almost 40 years of experience in the healthcare sectors, and our passion for innovation, with more than 700 employees and 3 subsidiaries, with state-of-the-art manufacturing technology and supply capabilities, we develop high-performance solutions for consistent, reproducible results that you can always rely on, we work hand in hand with you to develop tailored solutions to suit your requirements and grow with you. We support you so we can make big things happen together.

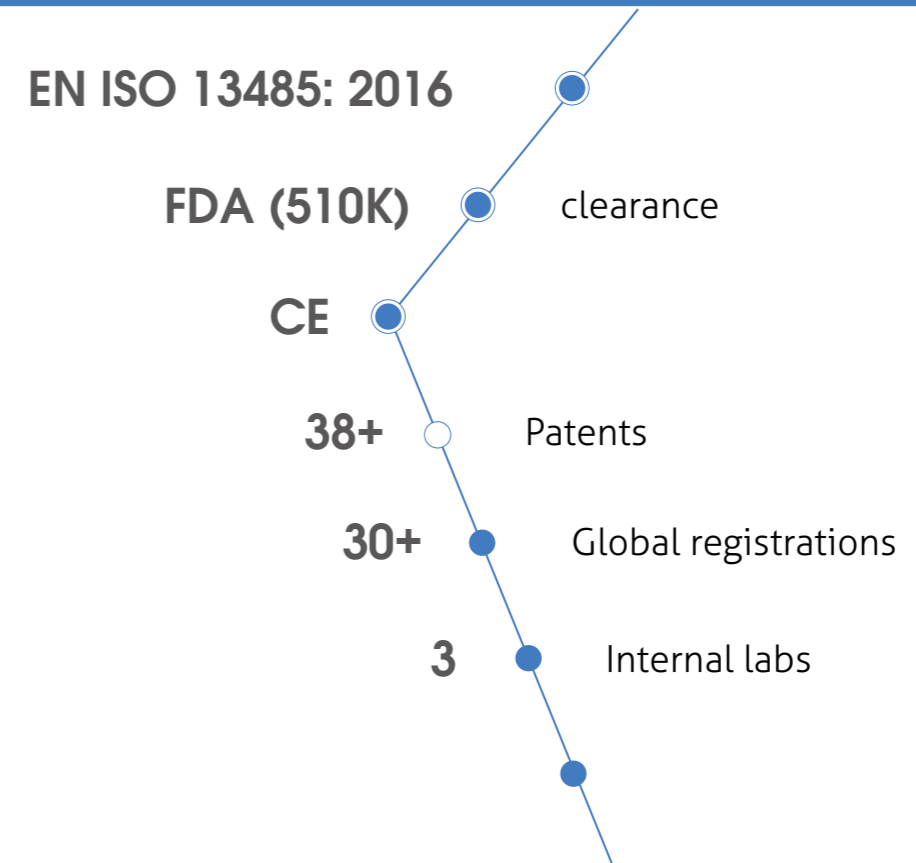
## We lead the way in providing:

- Private label product
- Specialty product configurations
- Contract manufacturing
- More....
- OEM supply
- Kitting operations
- Contingency support as secondary supplier

## Key Numbers of Our KB Medical Group

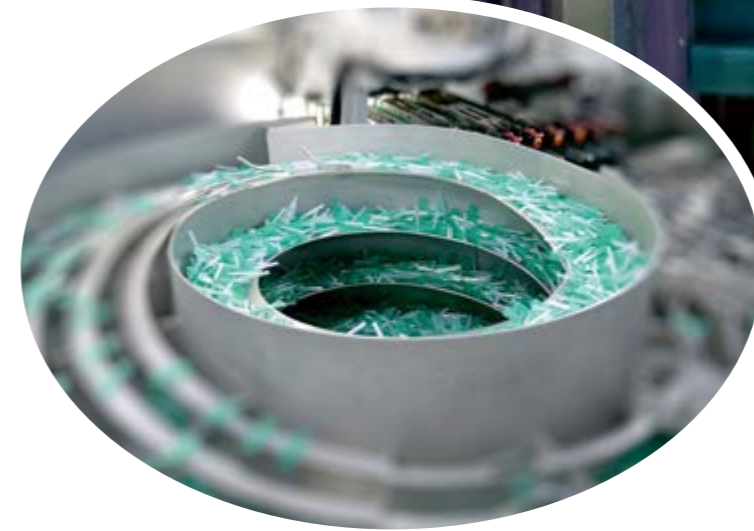
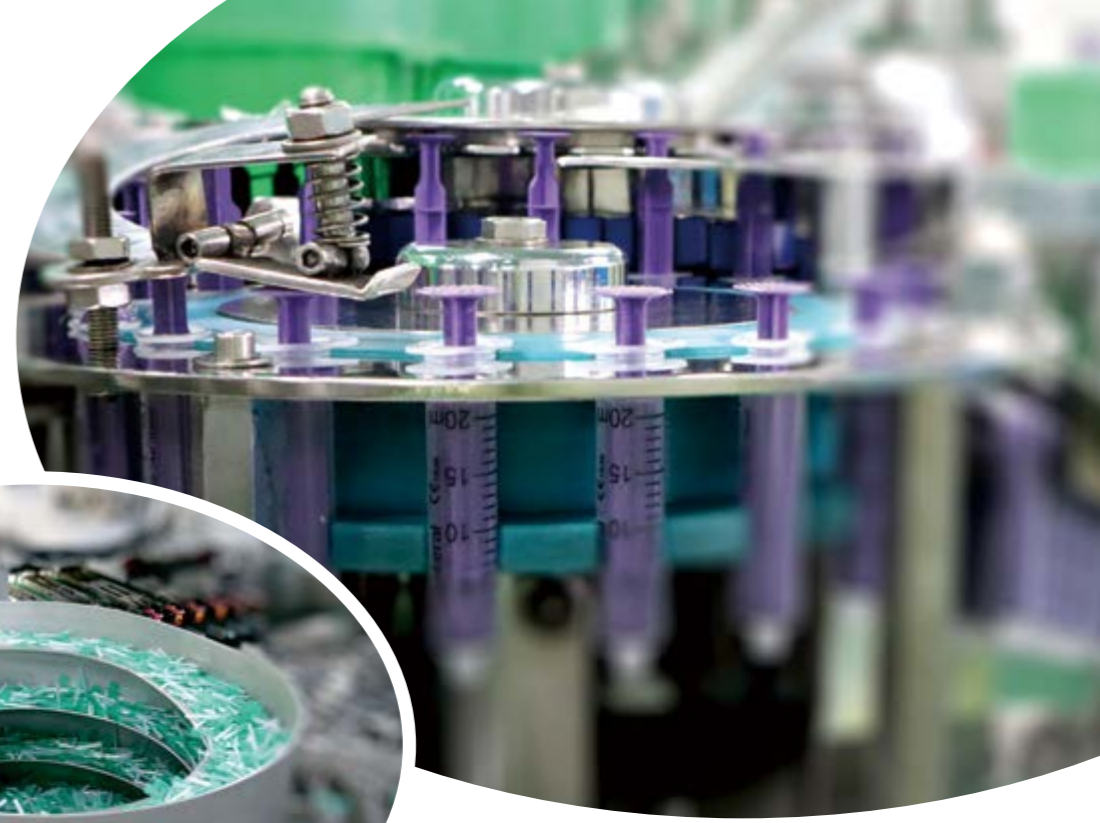


## Quality, Certificate, and Innovation

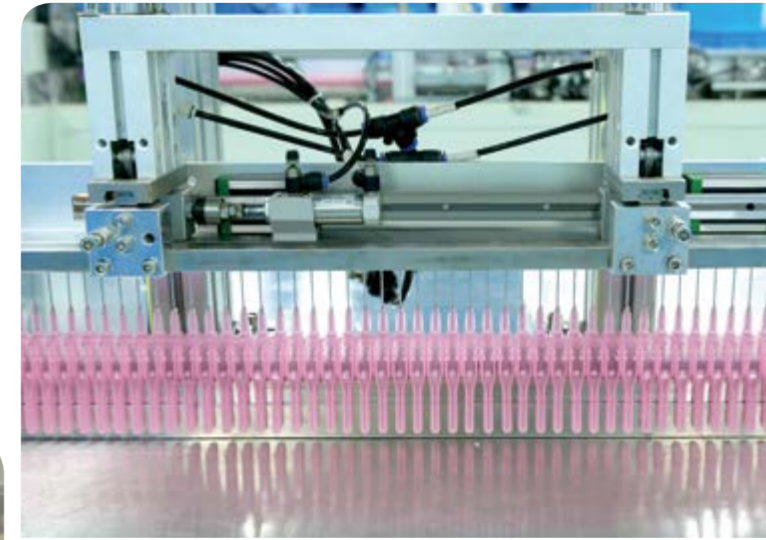


## Key Numbers of Our Production Facility

- 52+ sets Injection molding machines
- 17+ sets Auto printing lines for syringes
- 15+ sets Blister packing machines
- 15+ sets Auto loading packing machine for syringe (1/3/5/10/20/60/100ml)
- 5+ sets Auto-assembling machine for infusion set
- 3+ sets Auto-assembling machine for Butterfly needle
- 3+ sets Auto-assembling machine for hypodermic needle
- 3+ sets Auto-assembling machine for safety hypodermic needle



**KB  
Medical  
Group**



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## Specimen Collection



## Safety Blood Collection Needle

KBMED Safety blood collection needle is simple and easy to use. The safety mechanism can be activated immediately after the blood draw, helping to protect you against needlestick injury. It is also offered with a pre-attached holder for added convenience and to help meet OSHA single-use holder standards.

### Feature :

- The Safety Shield protects against needle injuries
- Large wing size permits improved positioning during use
- Blood flashback is seen clearly through translucent shield



Type 1 Safety butterfly type



Type 2 Safety needle type



After use



Type 3 Safety pen type



After use

## Blood Collection Needle

Type 1 Butterfly type



Type 2 Pen type



Type 3 Hypodermic needle type

Size	Color	Code										
		Safety Type		Safety Type with pre-attached holder			Normal Type		Normal Type with pre-attached holder			
		Type 1	Type 3	Type 1	Type 2	Type 3	Type 1	Type 2	Type 1	Type 2	Type 3	
0.40	27G	Grey	SBCN27-1	SBCN27-3	SBCN27-1H	SBCN27-2H	SBCN27-3H	BCN27-1	BCN27-2	BCN27-1H	BCN27-2H	BCN27-3H
0.45	26G	Brown	SBCN26-1	SBCN26-3	SBCN26-1H	SBCN26-2H	SBCN26-3H	BCN26-1	BCN26-2	BCN26-1H	BCN26-2H	BCN26-3H
0.50	25G	Orange	SBCN25-1	SBCN25-3	SBCN25-1H	SBCN25-2H	SBCN25-3H	BCN25-1	BCN25-2	BCN25-1H	BCN25-2H	BCN25-3H
0.55	24G	Purple	SBCN24-1	SBCN24-3	SBCN24-1H	SBCN24-2H	SBCN24-3H	BCN24-1	BCN24-2	BCN24-1H	BCN24-2H	BCN24-3H
0.60	23G	Blue	SBCN23-1	SBCN23-3	SBCN23-1H	SBCN23-2H	SBCN23-3H	BCN23-1	BCN23-2	BCN23-1H	BCN23-2H	BCN23-3H
0.70	22G	Black	SBCN22-1	SBCN22-3	SBCN22-1H	SBCN22-2H	SBCN22-3H	BCN22-1	BCN22-2	BCN22-1H	BCN22-2H	BCN22-3H
0.80	21G	Green	SBCN21-1	SBCN21-3	SBCN21-1H	SBCN21-2H	SBCN21-3H	BCN21-1	BCN21-2	BCN21-1H	BCN21-2H	BCN21-3H
0.90	20G	Yellow	SBCN20-1	SBCN20-3	SBCN20-1H	SBCN20-2H	SBCN20-3H	BCN20-1	BCN20-2	BCN20-1H	BCN20-2H	BCN20-3H
1.10	19G	Cream	SBCN19-1	SBCN19-3	SBCN19-1H	SBCN19-2H	SBCN19-3H	BCN19-1	BCN19-2	BCN19-1H	BCN19-2H	BCN19-3H
1.20	18G	Pink	SBCN18-1	SBCN18-3	SBCN18-1H	SBCN18-2H	SBCN18-3H	BCN18-1	BCN18-2	BCN18-1H	BCN18-2H	BCN18-3H



## Safety Needle Holder

KBMED Safety Needle Holder is applied in the clinical venous sampling which is achieved by blood collection needles to secure the operators



SNH01



SNH02

## Needle Holder



NH01

· KBMED single-use holders are compatible with all Vacutainer tubes and blood collection needles



NH02

· The KBMED Blood Transfer holder is used for needleless specimen transfer from a syringe to an evacuated tube or blood culture bottle.



NH03

· The KBMED Luer Lock Access holder is compatible with female luer connections or IV ports designed for luer access.

## Blood Collection Tube

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

Type	Code
Glass blood collection tube	BCT01
Plastic blood collection tube	BCT02
Micro collection tube	BCT03
Non-vacuum blood collection tube	BCT04
Capillary blood collection tube	BCT05



Category	Item	Additive	Tube Material	Closure Cap			Test Item		
				Type C	Tube Size (mm)	Type H		Tube Size (mm)	Color
Serum Blood Collection Tube	Plain Tube	Plain	Glass/Plastic	Red	13*75	Red	16*100	Red	Clinical Biochemistry, Immunology and Serology Test
	Pro-coagulation Tube	Clot Activator	Glass/Plastic		13*100				
	Gel & Clot Activator Tube	Gel & Coagulant	Glass/Plastic	Yellow	13*75	13*100	16*100	Yellow	
Whole Blood Collection Tube	EDTA Tube	Sprayed K2EDTA/ Sprayed K3EDTA	Glass/Plastic	Purple	13*75	Purple	16*100	Purple	Haematology Test (Blood Routine Examination)
	ESR Tube	3.8% Sodium Citrate Buffer(0.129mol/L)	Glass/Plastic Glass	Black	13*75	Black	8*120		Erythrocyte Sedimentation Rate Test
Plasma Blood Collection Tube	Coagulation Tube	3.2% Sodium Citrate Buffer(0.109mol/L)	Glass/Plastic	Blue	13*75	Blue	10.25*64	Blue	Coagulation Function Test
	Heparin Tube	Sodium Heparin/ Lithium Heparin	Glass/Plastic	Green	13*75			Green	Clinical Chemistry for Emergency Treatment, Blood Rheology Test
	Gel & Heparin Tube	Gel & Sodium Heparin/ Gel & Lithium Heparin	Glass/Plastic Glass/Plastic	Green	13*75	Green	16*100	Green	
Glucose Tube	Sodium Fluoride & Sodium Heparin/ Sodium Fluoride & EDTA/ Sodium Fluoride & Potassium Oxalate	Glass/Plastic	Grey	13*75				Grey	Glucose and Lactate Test
EDTA & Gel Tube	Gel & Sprayed K2EDTA/ Gel & Sprayed K3EDTA	Glass/Plastic	Purple	13*75				Purple	Molecular Biology Test (Such as PCR)

Can be for veterinary use



### Vacuum Urine Tube



Tube Size (mm)	Additive	Code	Additive	Code
16*100	Boric Acid	UCTB16100	No	UCT16100
13*100	Boric Acid	UCTB13100	No	UCT13100
13*75	Boric Acid	UCTB13075	No	UCT13075



**Urine Transfer Device**  
Code: UCTD120, Size: 100-120ml

### Urine Cup



**95KPA Compliant**  
Code: UC90-B2



**Regular type**  
Code: UC120-B1

Temperature label is available



Size	Code	
	Regular Type	95KPA Compliant
20ml	UC20-B1	UC20-B2
40ml	UC40-B1	UC40-B2
60ml	UC60-B1	UC60-B2
90ml	UC90-B1	UC90-B2
120ml	UC120-B1	UC120-B2

### Accessories



**Tourniquet**

**Sizes:** 1"x18"x0.025"/1"x18"x0.029"/etc.  
Latex free, Blue/Orange/Green/Yellow/Pink



**Adhesive bandage**

**Sizes:** 72x19mm/76x25mm/Dia. 25mm/etc.  
Sizes can be customized



**Alcohol Prep Pads**

**Sizes:** 3x6cm/ 4x8cm



**Paper Tape**

**Width:** 1.25cm/2.5cm/5cm/7.5cm/10cm



**Self-adhesive bandage**

**Width:** 2.5cm/5cm/7.5cm/10cm/15cm



**Cotton ball**

**Gram weight:** 0.3-4 g



# Enteral Nutrition



## Enteral Syringe

- FDA cleared for direct oral administration and enteral delivery
- The ENFit® syringe tip is compliant with ISO 80369-3 standards
- ENFit® syringes are often used in pharmacies, NICU/ PICU, adult ICU, alternate care, home care, and physician offices.

## ENFit® Single Use Syringe



### Product Feature :

- ENFit® female.
- DEHP Free
- Latex Free
- Low dose
- Amber color is available



## ENFit® Home Use O-Ring Syringe

- Up to 84 uses
- O-Ring Plunger
- Low resistance
- Amber color is available



Sizes	Low Dose	Single Use	Home Use
1ml	●	ES1	ESH1
3ml	●	ES3	ESH3
5ml	●	ES5	ESH5
10ml		ES10	ESH10
20ml		ES20	ESH20
35ml		ES35	ESH35
60ml		ES60	ESH60
100ml		ES100	N/A





## Thumb Control Ring Syringe

- Designed for maximum control and one-handed administration
- Re-sealable pole bag designed for safe and convenient storage

## Flat Top Syringe

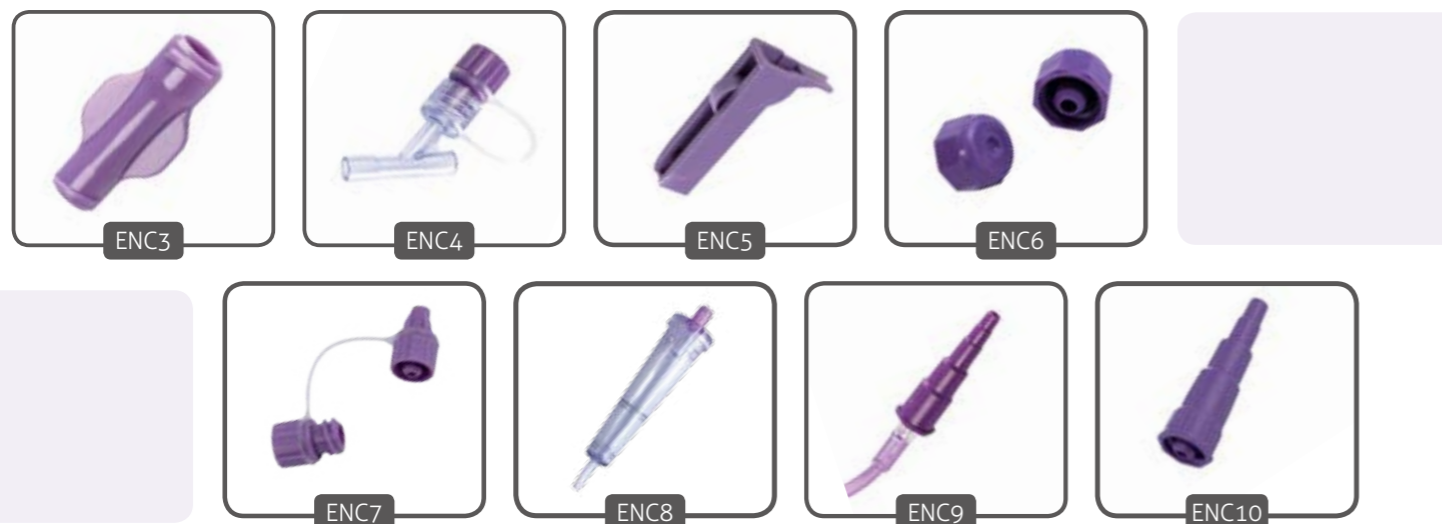
- Visible dosing marks designed for ease of use

Sizes	Enfit Tip	Thumb Control Ring	Flat Top	Code
60ml		•		URTS60
60ml			•	URFS60
60ml	•	•		URES60
60ml	•		•	ES60
100ml	•		•	ES100
100ml		•		URTS100



## The Enfit® Connector

- The ENFit® connector is compliant with the ISO80369-3.
- Supply you transition adaptor from Legacy connector to Enfit. (ENC3)
- ENFit® syringe cap used as a protective cap to temporarily secure any remaining nutrition between feedings. (ENC6)
- Supply you transition adaptor from Enfit to Legacy connector. (ENC10)



## ENFit® Feeding Set

### Feature:

- ENFit® feeding sets are compliant with the ISO 80369-3 to help reduce the risk of misconnections.
- Latex-free and DEHP-free.
- EVA material available.
- G-Gravity use, P-pump use, ENF01-05 available
- G type and P type.



ENF05G  
Universal Set



ENF01G  
ENPLUS spike with cap



ENF02P  
Feeding bag  
Sizes: 500/1000/1200/1500ml



ENF03G  
Feed cap adaptor



ENF04G  
Spike with feeding connector



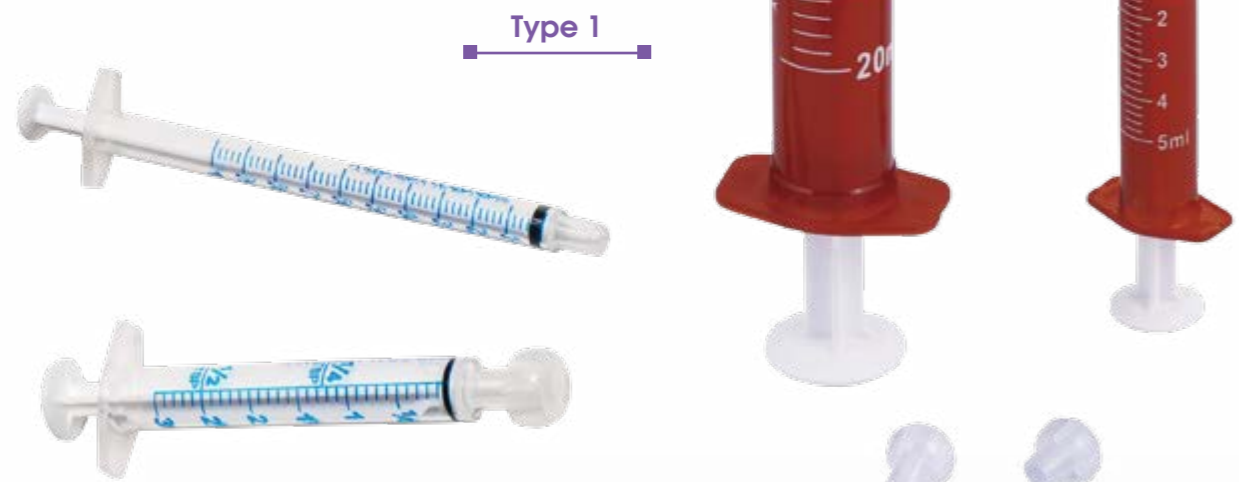
## Oral Dispenser

### Feature:

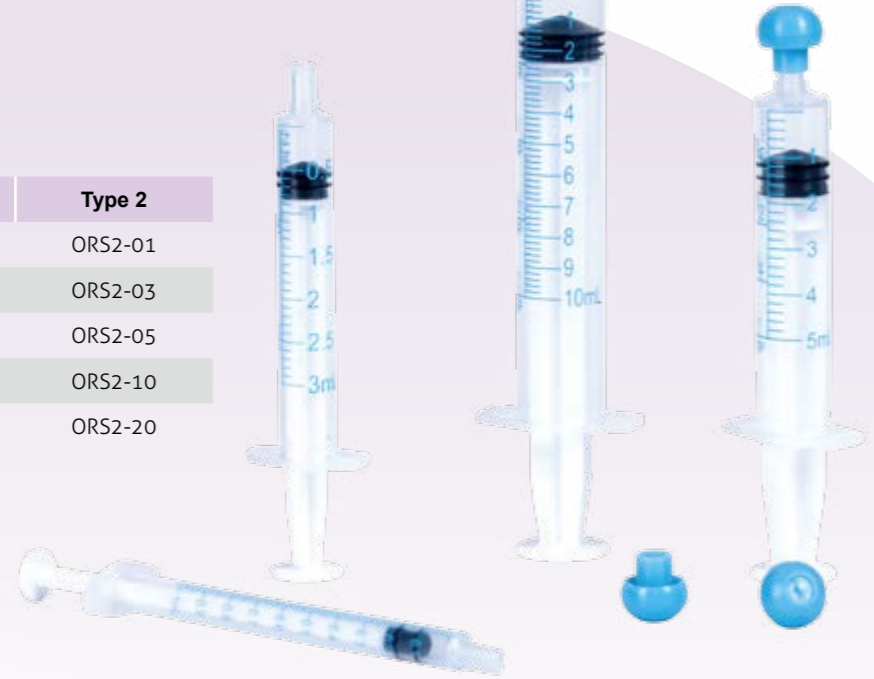
- Special tip design for wrong route administration prevention.
- O-Ring plunger design is the preferred option for smooth and accurate delivery.
- Amber barrel design to protect light-sensitive drug.



O-Ring Plunger



Sizes	Type 1	Type 2
1ml	ORS1-01	ORS2-01
3ml	ORS1-03	ORS2-03
5ml	ORS1-05	ORS2-05
10ml	ORS1-10	ORS2-10
20ml	ORS1-20	ORS2-20



## ENFit Stepped

### We're on the path to safer connections

The ENFit connector reduces the risk of tube feeding misconnections, helping enhance patient safety. It has a unique enteral-specific design.



- Has a locking feature that secures the safety connection with administration sets and syringes that have ENFit connectors.
- Aligns with global, industry-wide standards specified by ISO and recommended by the FDA.
- Supply you transition adaptor from Enfit to Legacy connector

# Syringe And Needle



## Disposable Syringe With Needle

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

### Feature :

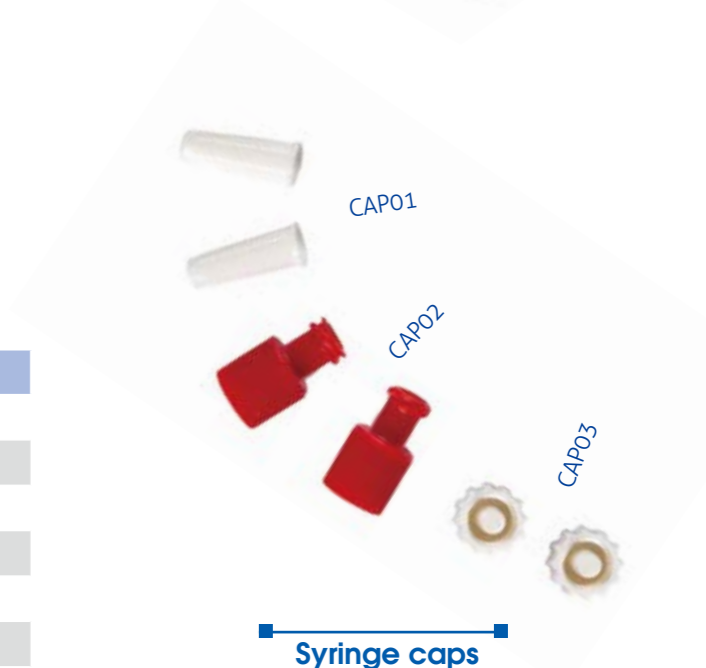
- Luer slip or luer lock nozzle, central or eccentric nozzle.
- High transparency barrel.
- Smooth consistent plunger action.
- Clear, legible and easy to read graduated scale.
- Minimal dead space.
- Triple contact rubber gasket and plunger-block to prevent accidental leakage during aspiration.
- Well 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



3 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





## Disposable Syringe With Safety Needle

### Feature :

- Compatible with all safety 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.
- Both luer slip and luer lock nozzle are available.

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



Before use

After use

## Safety Syringe

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

### Feature :

- Available with or without 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 protecting from needle stick injury.
- Special design can prevent the needle back into the barrel occasionally.
- Guarantee 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.



After use

### 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





## Safety Needle

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

### Feature :

- 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.



Code	Size and length	Gauge 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"-1-1/2"	Orange
SN1-24	0.55×25	24G×1"-1-1/2"	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

## Disposable Hypodermic Needle

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

### Feature :

- 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	
		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		
0.18	34G	Orange	✓	✓	✓	✓						✓			✓		HN34
0.20	33G	Black	✓	✓	✓	✓						✓			✓		HN33
0.23	32G	Deep green	✓	✓	✓	✓						✓			✓		HN32
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.





## 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.

### Feature :

- In all cases, once the auto-disable feature has been activated, It was not possible to re-use the syringe.
- It was impossible 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

## 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.

Code	Size
ADS2-2	2ml
ADS2-3	3ml
ADS2-5	5ml
ADS2-10	10ml



Type 2, With non-integrated needle

## PC (Polycarbonate) Syringe

### Feature :

- The color coded syringes help prevent potentially dangerous medication errors.
- Polycarbonate material provides clear and smooth visualization fluid and air bubbles.
- Luer lock tip, latex free.
- Plunger color: Red/Blue/White/ Purple/Yellow/Light green/Dark green



Code	Size
PCS1	1ml
PCS3	3ml
PCS5	5ml
PCS6	6ml
PCS10	10ml
PCS12	12ml
PCS20	20ml
PCS30	30ml

## Pre-Filled Flush Syringe

0.9% Sodium Chloride Injection, USP

### Feature :

- Provides all convenient size syringes & volumes
- DEHP-Free, PVC-Free, Latex Free
- Sterile, non-pyrogenic and non-toxic
- Offers standard dust cover and sterile field configurations
- Virtually eliminates rebound
- Eliminates needles and vials
- Eliminates potentials of cross-contamination
- Complies with all PICC and INS standards
- Compatible with all needleless systems

### Specification :

Standard Dust Cover Flush Syringes  
(Sterile Fluid Pathway)

Code	Specification	Box/Case Quantity
PFS3	3ML fill in 5ml syringe	50/box, 400/case
PFS5	5ML fill in 5ml syringe	50/box, 400/case
PFS10	10ML fill in 10ml syringe	30/box, 240/case
PFS20	20ML fill in 20ml syringe	20/box,160/case

Standard Field Flush Syringes  
(Sterile Fluid Pathway and Sterile Syringe)

Code	Specification	Box/Case Quantity
PFS3SS	3ML fill in 5ml syringe	50/box, 400/case
PFS5SS	5ML fill in 5ml syringe	50/box, 400/case
PFS10SS	10ML fill in 10ml syringe	30/box, 240/case
PFS20SS	20ML fill in 20ml syringe	20/box,160/case



3ml

5ml

10ml



## Diabetes Care

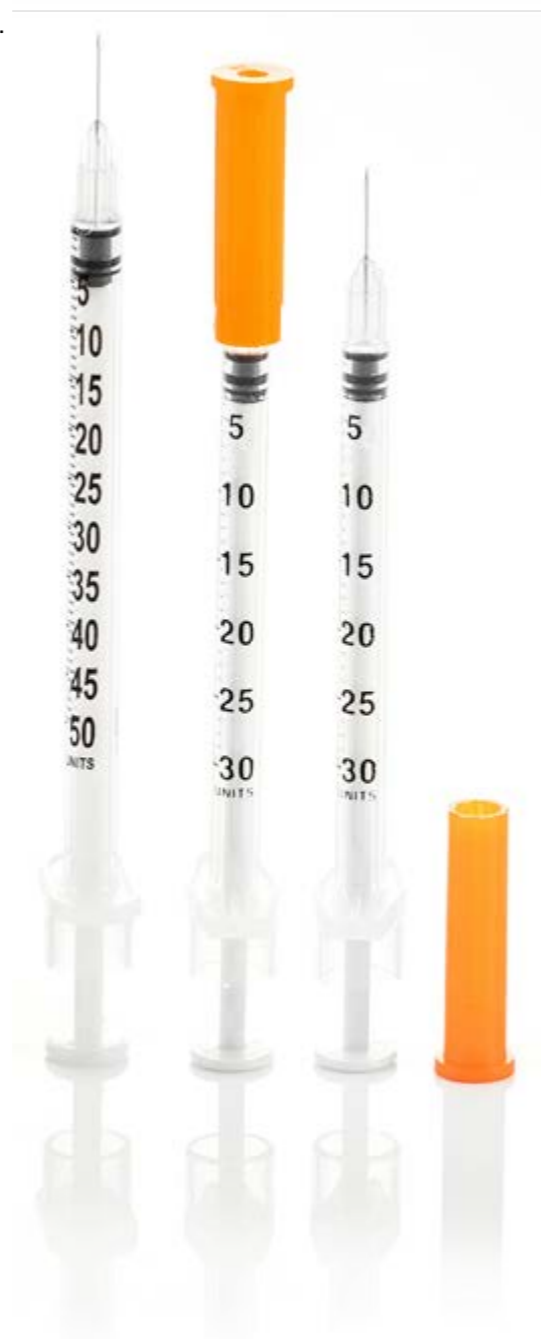


## Insulin Syringe

Syringes for subcutaneous insulin therapy injection.

### Feature:

- 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	Cap color
IS03	U-100	0.3ML	25-33GX5/16"-1/2"	orange
IS05	U-40/ U-100	0.5ML	25-33GX5/16"-1/2"	U-40 red/ U-100 orange
IS10	U-40/ U-100	1ML	25-33GX5/16"-1/2"	U-40 red/ U-100 orange

Needle sizes according to customer's requests

## Safety Insulin Syringe

### Feature:

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



### Type 1

- Pull back the plunger after injection, the locking ring secures the needle in the barrel of the syringe protecting from needle stick injury.

### Type 2

- Pull the safety cartridge to withdraw the needle into cartridge after injection.
- Easy to lock by rotating the safety cartridge.

Code	Size	Needle size
Type1/Type2		
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"



# Insulin Pen Needle

**Feature:**

- Extremely fine three-facet grinding minimizes tissue trauma
- Special silicone finish for smooth gliding and virtually pain-free penetration of skin and tissue
- Extra-thin-wall technology allows for a larger inner diameter and an optimized Insulin flow; less force is required and injection time is reduced
- Compatible with all major pen devices available on the market



## Product Features



Safety design and easy for using  
The strength design in needle set make it more convenient and safe to use

High compatibility and cover almost all branches  
The product has high compatibility. The standard design of internal threaded ensure it can stably match all branches insulin pen.

Best penetration make injection more comfortable  
Insulin pen needle has a series of advanced and mature needle tip technique and silication technique. The sharp needle tip make puncture more easily and let patients feel more comfortable during injection.

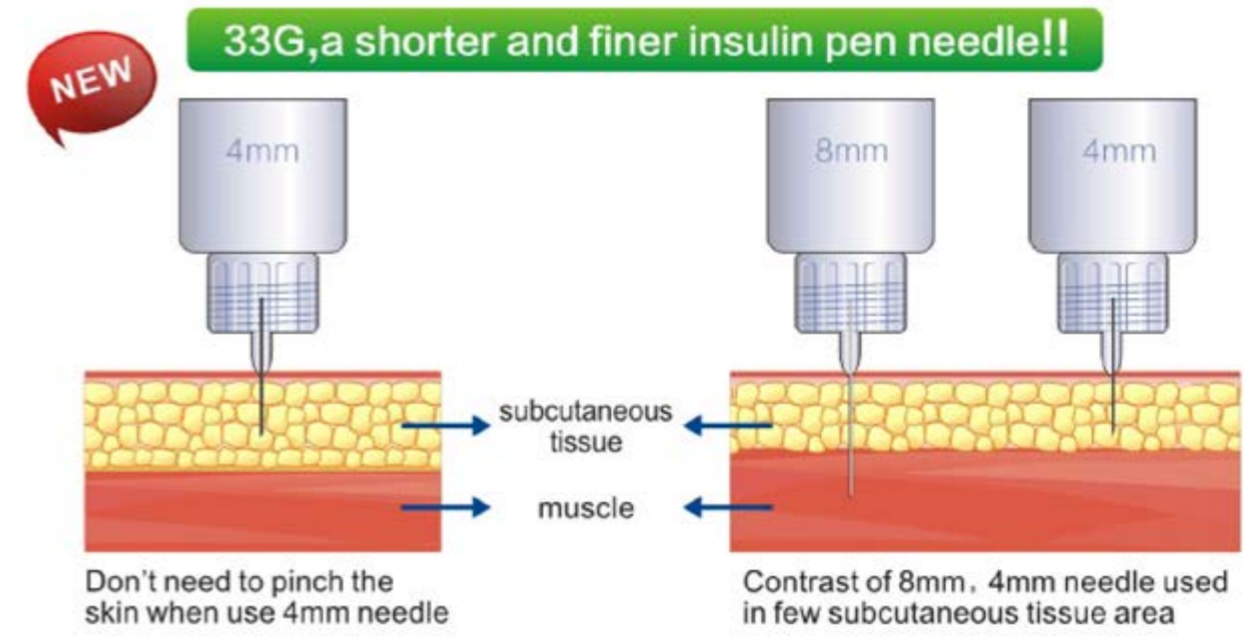
# Safety Insulin Pen Needle

**Feature:**

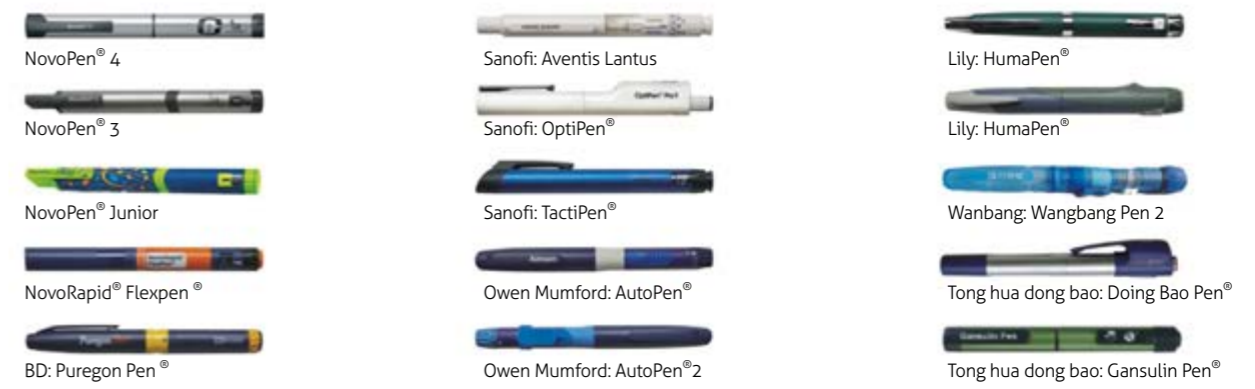
- Automatically achieve the function of protecting needle tip after use.
- Easy self-disable set
- Easy to see the droplets
- Compatible with all pen injectors



Code	Gauze	size and length (mm)
Safety/Non-safety		
IPNS33 IPN33 <b>new</b>	33G	0.20X4-12mm
IPNS32 IPN32	32G	0.23X4-12mm
IPNS31 IPN31	31G	0.25X4-12mm
IPNS30 IPN30	30G	0.3X4-12mm
IPNS29 IPN29	29G	0.33x4-12mm



### High Matching Degree



► The screw thread design of insulin pen needle meets the standard regulated by ISO11608-2 which is compatible with other standard ones domestically produced or imported.



## Safety Lancet

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

### Feature :

- Needle is fully shielded before and after use
- Cannot be reused
- Ultra sharp tri-bevel needle, high speed penetration
- Multiple depth selection with color coding



Type3



Type2

Type1



Type5



Type4

Code					Size	Length
TYPE 1	TYPE 2	TYPE 3	TYPE 4	TYPE 5		
SBL01-30	SBL02-30	SBL03-30	SBL04-30	SBL05-30	30G	1.8mm
SBL01-28	SBL02-28	SBL03-28	SBL04-28	SBL05-28	28G	1.8mm
SBL01-26	SBL02-26	SBL03-26	SBL04-26	SBL05-26	26G	1.8mm
SBL01-23	SBL02-23	SBL03-23	SBL04-23	SBL05-23	23G	1.8mm
SBL01-21	SBL02-21	SBL03-21	SBL04-21	SBL05-21	21G	1.8/2.2/2.8mm
SBL01-18	SBL02-18	SBL03-18	SBL04-18	SBL05-18	18G	1.8mm

## Blood Glucose Monitoring Systems

### Feature :

- Fast, Safe and Convenient.
- Small blood sample requirement reduces pain & sensitivity for easy diabetes monitoring.
- Self-testing on the volume of the blood sample
- Coding/no-coding optional



Small blood sample  
Less pain



Alarm



5 seconds  
Fast testing



Auto-off



Strip ejector



High accuracy  
ISO 15197:2013  
certified



No coding



Test strip shelf  
life 2 years Test



360 test memories



## BG205

### Feature :

- 1ul small blood sample
- 5seconds measuring time
- 360 reading memories
- Extra large LCD
- Backlight optional
- Strip ejector
- 7,14,28 day average
- Alarm clock reminder
- Switchable dual scale
- Auto Power off
- Deluxe carry case
- Coding/no-coding optional





**BG202**

**Feature :**

- 1ul small blood sample
- 5 seconds measuring time
- 360 reading memories
- 7,14,28 day average
- Alarm clock reminder
- Switchable dual scale
- Auto Power off
- Deluxe carry case
- Coding/ no-coding optional



**BG203**

**Feature :**

- 1ul small blood sample
- 5 seconds measuring time
- 360 reading memories
- Extra large LCD
- Backlight optional
- Strip ejector
- 7,14,28 day average
- Alarm clock reminder
- Switchable dual scale
- Auto Power off
- Deluxe carry case
- Coding/ no-coding optional

**BG208**

**Feature :**

- 1ul small blood sample
- 5 seconds measuring time
- Strip ejector
- 360 reading memories
- 7,14,28 day average
- Alarm clock reminder
- Switchable dual scale
- Auto Power off
- Deluxe carry case
- Coding/nocoding optional



**Accessories**



**Sharp disposal container**

0.2L/1Quart/1L/2Quart/ 2L



**Alcohol swab**

3x6cm/ 4x8cm



**Lancet**

23g /26g /28g /30g /32g /33g



**Lancing devices**

The adjustable tip offer 5 depth levels



**Safety Blood Lancet**

18g/21g/23g /26g /28g /30g



**Test strips**

Width 5.5mm/6.5mm

# 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.

## 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.



Safespike



Safesite



SafespikeF



SafesiteP



SafesiteY

### Feature:

- Needle-free system that utilizes split septum technology similar to that of a conventional needle system.
- Provides a swabbable injection site that is a closed system, accessed by inserting a cannula.
- Visually inspect — with a clear outer housing that allows visible flush confirmation, and an open fluid path that has no fluid entrapment areas.
- 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.
- Both Negative pressure and Positive pressure are available.



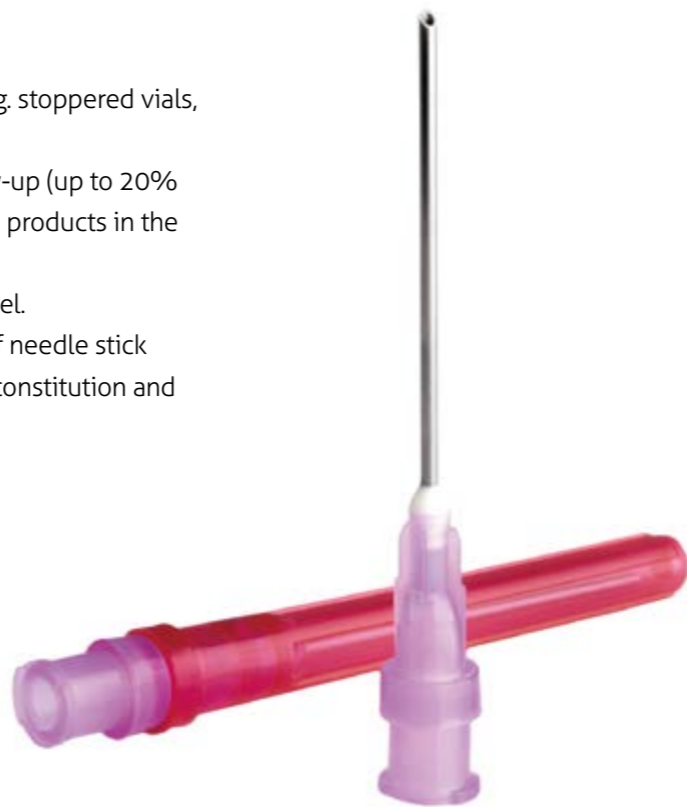


## Blunt Needle With/Without Filter

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

### Feature :

- 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.



With filter



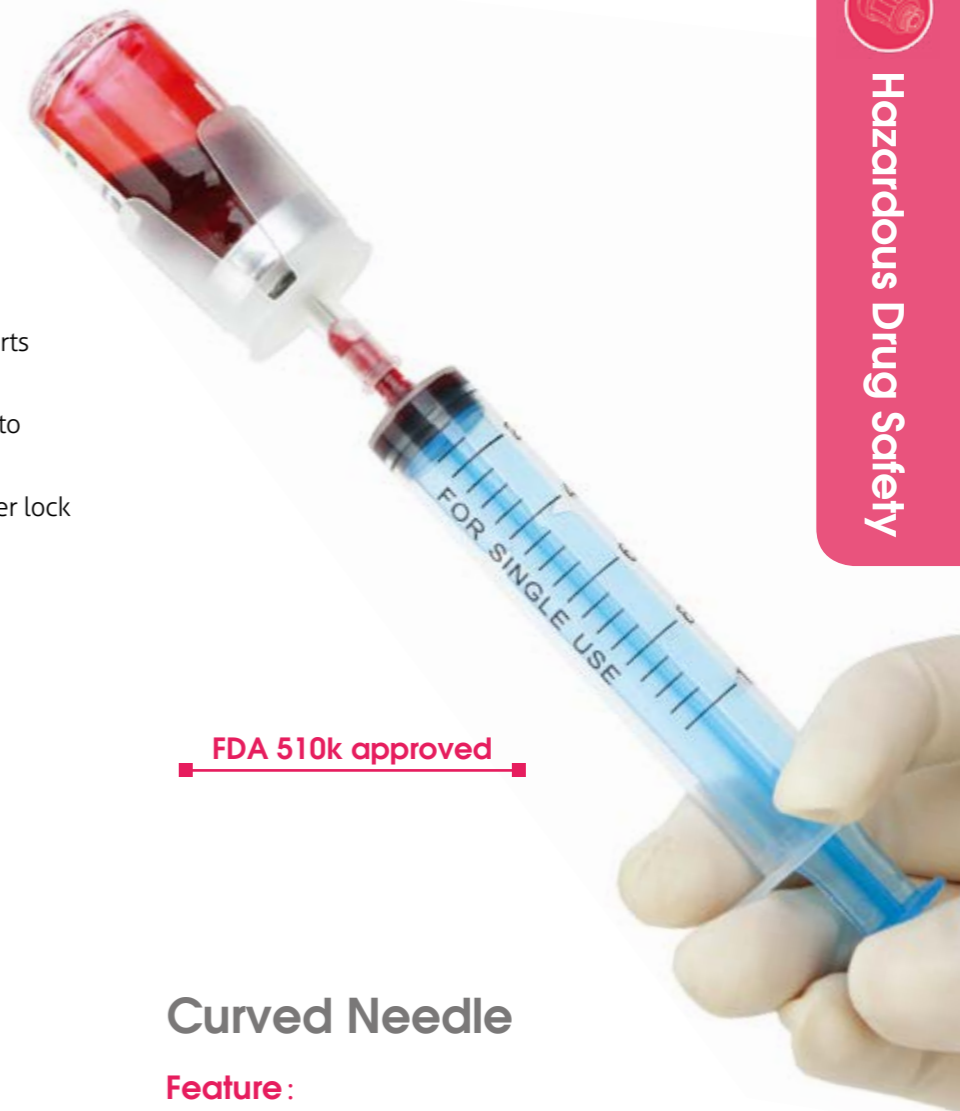
Without filter

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

## Aspiration Needle With Safety Shield

### Feature :

- USA Patent pending, PCT with a priority date already initiated.
- 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

## Curved Needle

### Feature :

- 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

### Feature :

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



## Safety Sharps Stations

### Product Use:

The Safety Sharps Stations provides sharps organization, counting and disposal of contaminated sutures, blades and needles with unique blade remover.

### Feature:

- Wide choice of formats, including foam blocks, magnetic surfaces, adhesive surfaces and foam strips, to meet customer preference and clinical indication
- Quick, simple and universal blade remover
- Detachable halves allow the same needle counter to be used in two separate areas.
- Unique locking mechanism prevents inadvertent opening whilst enabling re-counts if required
- Deep overlapping edges prevent accidental sharps migration

### Specification

Code	Description	Count
SNC15-FM	Magnet & Foam Strips	15
SNC15-1M	Single Magnet & Clear Cover	15
SNC15-MA	Magnet & Adhesive	15
SNC15-2M	Double Magnets	30
SNC20-FM	Magnet & Foam Block	20
SNC30-FM	Magnet & Foam Strips	30
SNC30-1M	Single Magnet & Clear Cover	30
SNC30-MA	Magnet & Adhesive	30
SNC30-2M	Double Magnets	60
SNC40-FM	Magnet & Foam Block	40

Customized specifications are possible.



**SNC30-1M**

Single magnet and clear cover  
Universal blade remover



**SNC40-FM**

Magnet and foam block  
Universal blade remover



**SNC15-2M**

Double magnets  
Universal blade remover



**SNC15-FM**

Magnet and foam strips  
Universal blade remover



**SNC20-FM**

Magnet and foam block  
Universal blade remover

## Ultimate Safety Sharps Stations

### Product Use:

The unique, patented Ultimate Safety Sharps Stations provides sharps organization, counting and disposal of contaminated sutures, blades and needles. This extensive range incorporates a number of unique safety features, which significantly reduce the risk of inadvertent sharps injuries.

### More advantages:

- USA Patented and the exclusive manufacturer in our facility.
- Surgical blade safety removal device with a protection wall to protect the jumping of blades.
- The ultimate safety lock device guarantees the needle counter can not be open again.
- A needle sheathing safety device to help user's hand free and clear of the needle.
- 2 universal safety holding device enable to hold both disposable syringe and scalpel



**USNC20-FM**

Foam block and magnet  
Safety blade remover



**USNC40-FM**

Foam block and magnet  
Safety blade remover

### Specification

Code	Description	Count
USNC20-FM	Magnet & Foam Block, Ultimate design	20
USNC40-FM	Magnet & Foam Block, Ultimate design	40



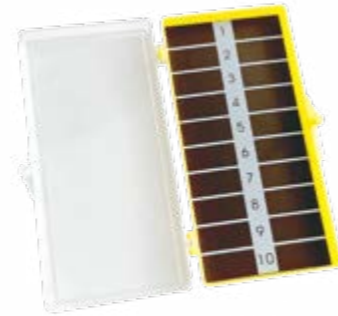
## Sharps Stations

### Product Use:

The Sharps Stations provides sharps organization, counting and disposal of contaminated sutures, blades and needles.



**NC10-2F**  
Double magnets



**NC10-1F**  
Single magnet and clear cover



**NC10-FM**  
Foam block and magnet  
Unique locking mechanism



**NC20-FM**  
Magnet and foam block



**NC30-MA**  
Magnet and adhesive



**NC40-FM**  
Magnet and foam block

### Specification

Code	Description	Count	Code	Description	Count
NC10-FM	Magnet & Foam Block	10	NC20-FA	Foam Block & Adhesive	20
NC10-FA	Foam Block & Adhesive	10	NC30-1M	Single Magnet & Clear Cover	30
NC10-2M	Double Magnets	20	NC30-MA	Magnet & Adhesive	30
NC10-1M	Single Magnet & Clear Cover	10	NC30-2M	Double Magnets	60
NC10-MA	Magnet & Adhesive	10	NC40-FA	Foam Block & Adhesive	40
NC20-FM	Magnet & Foam Block	20	NC40-FM	Magnet and Foam Block	40

Customized specifications are possible.

## Puncture-Proof-Pad

### Product Use:

The Puncture-Proof-Pad is a unique rigid plastic, puncture-proof-pad for the simple, safe organization, counting and disposal of contaminated sutures, blades and needles.

### Features and benefits include

- Strong rigid construction prevents accidental penetration by contaminated sharps
- Wide adhesive strip ensures secure sharps retention
- Secure locking mechanism prevents inadvertent opening
- Overlapping edges prevent sharps migration
- An optional 'fold flat' edge allows the safe accommodation of hypodermic needles and scalpel handles when required



**Puncture-proof-pad**

## Sharps Pad

### Product Use:

The Sharps Pad is a unique cost effective puncture resistant pad for the simple, safe organization, counting and disposal of contaminated sutures, blades and needles.

### Features and Benefits include

- Tough puncture resistant plastic offers excellent protection against the risk of accidental sharps penetration
- Wide adhesive strip ensures secure sharps retention
- Overlapping edges prevent sharps migration
- A castellated edge allows the safe accommodation of hypodermic needles



**Sharps pad**

## Scalpel Shield

### Product Use:

The Scalpel Shield is a purpose-designed device for the safe, secure storage of up to three scalpels in the sterile field.

### Features and Benefits include

- Conveniently stores handles in the 'upright' position ensuring safe and simple placement and retrieval
- Shrouded blade design prevents accidental personal injury and damage to drapes
- Adhesive tab secures and stabilises device in the sterile field



Scalpel shield

## Sharps Pad- Economic Type

### Product Use:

The Sharps Pad - Economic Type is a simple, low cost cardboard backed foam pad which offers the minimum requirement for the organization, counting and disposal of contaminated sutures, blades and needles.

### Features and Benefits include

- Purpose designed
- Convenient
- Low cost



Sharps pad - economic type

## Sharp Container

The Sharp Containers are used for disposal of hospital waste and 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.

Code	Size	Cap type
SCS-01Q	1 Quart	Sliding cap
SCS-02Q	2 Quart	Sliding cap
SCF-05Q	5 Quart	Flip cap
SCS-01G	1 Gallon	Sliding cap
SCS-02G	2 Gallon	Sliding cap
SCS-06G	6 Gallon	Sliding cap



SCF-05Q

SCS-01G

SCX-03L

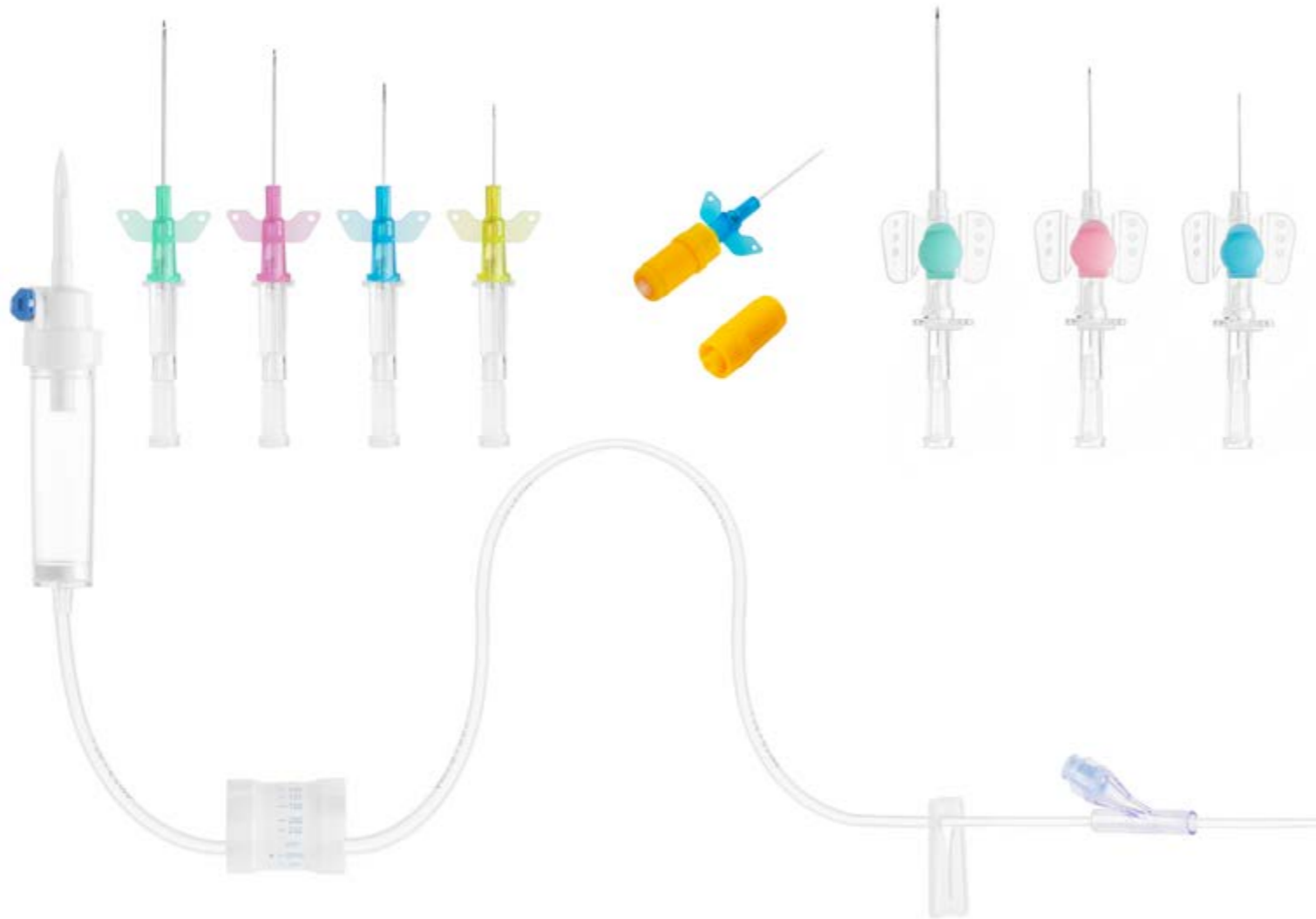
SCS-01Q

SCF-01L

Code	Size	Cap type
SCF-01L	1L	Flip cap
SCF-03L	3L	Flip cap
SCX-03L	3L	Rotary cap
SCF-05L	5L	Flip cap
SCX-05L	5L	Rotary cap
SCF-07L	7L	Flip cap
SCX-07L	7L	Rotary cap
SCX-13L	13L	Rotary cap



# 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.

### Feature :

- 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

Connectors

Scalp vein set

Safety scalp vein set

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"-3/4"	0.5×16-20mm	Orange
SSVS24/SVS24	24G×5/8"-3/4"	0.55×16-20mm	Purple
SSVS23/SVS23	23G×5/8"-3/4"	0.6×19-25mm	Blue
SSVS22/SVS22	22G×5/8"-3/4"	0.7×25mm	Black
SSVS21/SVS21	21G×5/8"-3/4"	0.8×28mm	Green
SSVS20/SVS20	20G×5/8"-3/4"	0.9×28mm	Yellow
SSVS19/SVS19	19G×5/8"-3/4"	1.1×28mm	Cream
SSVS18/SVS18	18G×5/8"-3/4"	1.2×28mm	Pink

## 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, needless 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, 10drops, 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 Set

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

### Spike with drip chambers

- With/without air vent.
- 10drops, 20drops, 60 drops/ml.
- With filter or without filter.
- 50mm/54mm/62mm drip chamber



### Flow regulators

- Small flow regulator, Medium flow regulator, ABS Adelberg flow regulator, Protective flow regulator, Accurate flow regulator rate of 5mL/hr to a maximum of 300mL/hr.



### Injection ports

- Latex/Latex free straight tube, Injection bulb



### Transfer sets



### Y injection ports

- Needleless Y injection port, Latex/Latex free Y injection port



### Connectors

- Luer slip, Luer lock. Rotating luer lock connector Connector cap , Vented cap

- PVC tube length from 1.3m to 2.2m or any required length.
- PVC DEHP FREE, TOTM, Non-PVC tube material available
- Customized mold construction for any kind of components.



## IV Burette

Delivering solutions in IV therapy for improved patient care.

### Features :

- Soft and transparent chamber for easy to read graduated scale.
- Floating valve 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.



IVB150-2



latex /latex free valve



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 slip 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 plastic shut-off valve, needleless Y injection port, tube 2.2m, luer lock without needle.	IVB 150-2

## IV Cannula

Delivering solutions in IV therapy for a short term period.

### 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.



Wing type



Injection type

Pencil 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





## 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

Autoguard Type



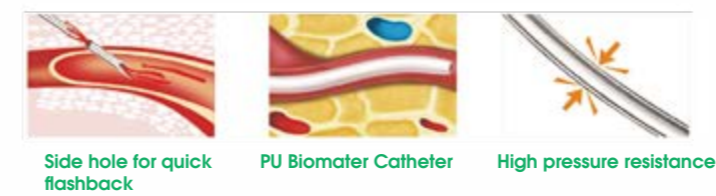
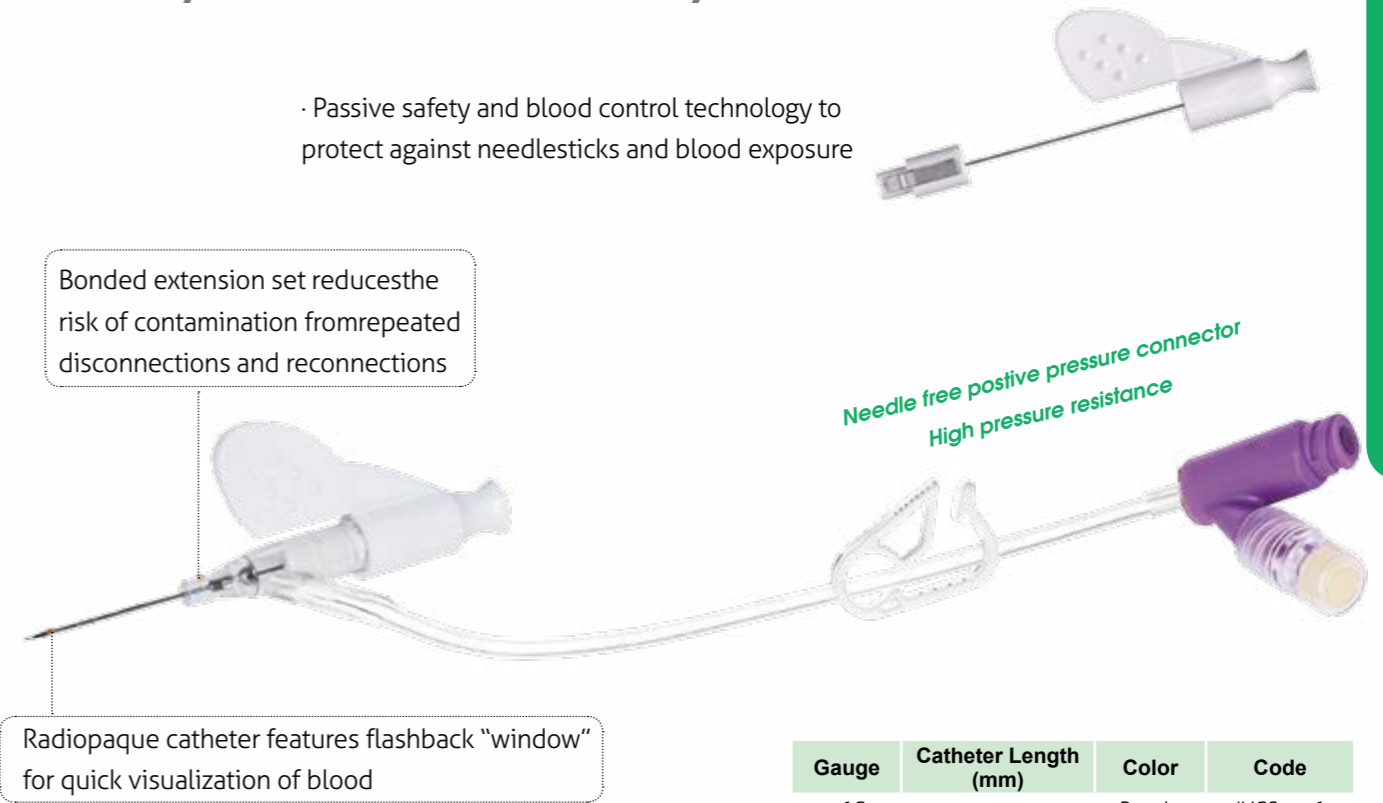
### Type 2

Sliding Pull Rod Type

Gauge	Catheter Length (mm)	Color	Code	
			type1	type 2
24G	19	Yellow	IVCS1-24	IVCS2-24
22G	25	Blue	IVCS1-22	IVCS2-22
20G	32	Pink	IVCS1-20	IVCS2-20
18G	32	Green	IVCS1-18	IVCS2-18
17G	45	White	IVCS1-17	IVCS2-17
16G	45	Grey	IVCS1-16	IVCS2-16
14G	45	Orange	IVCS1-14	IVCS2-14

## Safety Closed IV Catheter System

- Passive safety and blood control technology to protect against needlesticks and blood exposure



Gauge	Catheter Length (mm)	Color	Code
26G	15	Purple	IVCS3-26
24G	19	Yellow	IVCS3-24
22G	25	Blue	IVCS3-22
20G	32	Pink	IVCS3-20
18G	32	Green	IVCS3-18
17G	45	White	IVCS3-17
16G	45	Grey	IVCS3-16
14G	45	Orange	IVCS3-14

## Sterile IV Start Kit

### 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.



IVK01





## 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 clamber, 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.

ET10

ET09

ET08



ET04



ET06



ET11

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
Needleless type, accurate filter 0.2µm/1.2µm, clamp, needless Y site, luer lock with cap, OD 4mm.	ET11

## 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.

TWS01



TWS03



TWS02



TWS04



TWS05



TWS06



# 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.
- Accurate 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





## 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.



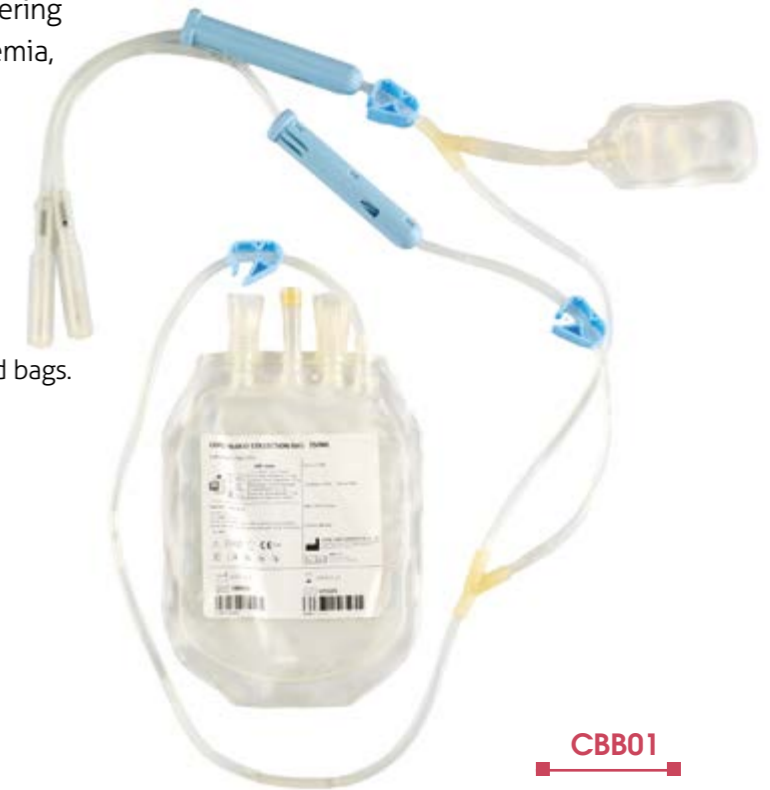
**BB03/Triple**

## 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.

### 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.



**CBB01**



**Leukocyte filter**

**Sampling device & safety needle protector**

### Optional

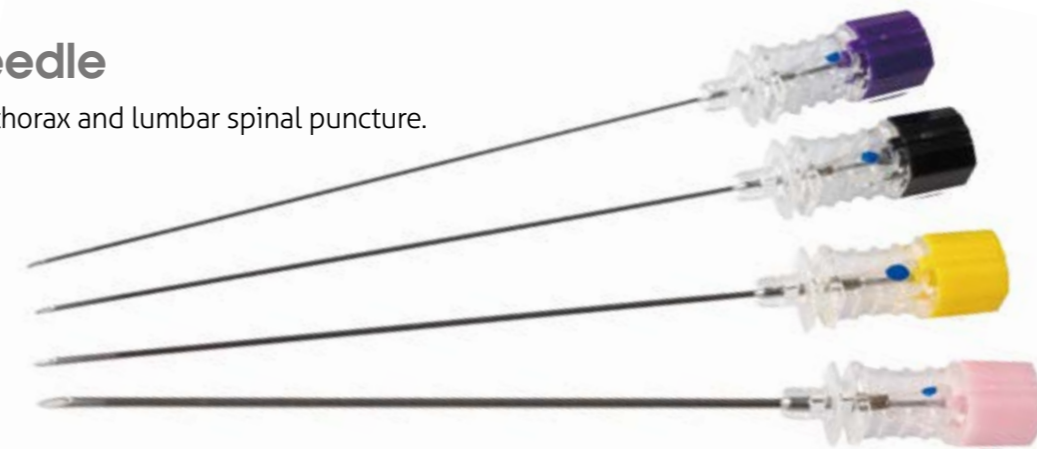
- Top and top system.
- Top and bottom system.
- Empty transfer bag.
- PALL leukocyte filtration system.
- Blood sampling with vacuum tube.
- Customization bags.





## 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	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	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 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:φ1.0, OD:φ0.8, 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.

Triple Valve manifold

Four valve manifold

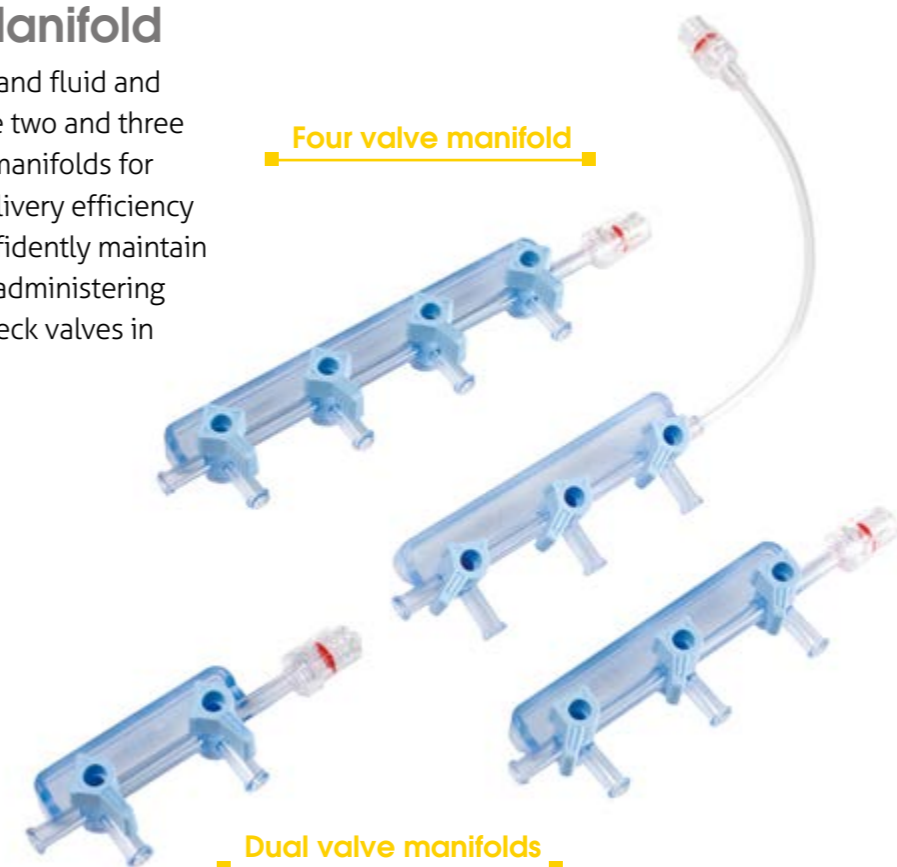
## High Pressure Manifold

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



Dual valve manifolds

## 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

# 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  
4000ml is available.



**UDBD20**

Diamond shape 2000ml





## 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

## Leg Bag

- Rectangle or arc style for customer option.
- It is secured with two comfortable 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 comfortable skin touch.
- Tube length 30-90cm for customer option.

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



## Irrigation Tray

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

### Components

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



**UDBRP20**

Rectangle shape With pull outlet 2000ml

**UDBRT20**

Rectangle shape with T tap outlet 2000ml



**UDBR20**

Rectangle shape without outlet 2000ml



**URIT1000**