



日照广隆医疗器械有限公司
RIZHAO BIGWAY MEDICAL DEVICE CO.,LTD

为客户创造价值，是我们永远不变的使命！
Our eternal mission is to create value for our customers.

PART 1 Infusion Device

PART 2 Transfusion Device

PART 3 Drainage Device

PART 4 Laparoscopy Device



The factory workshop

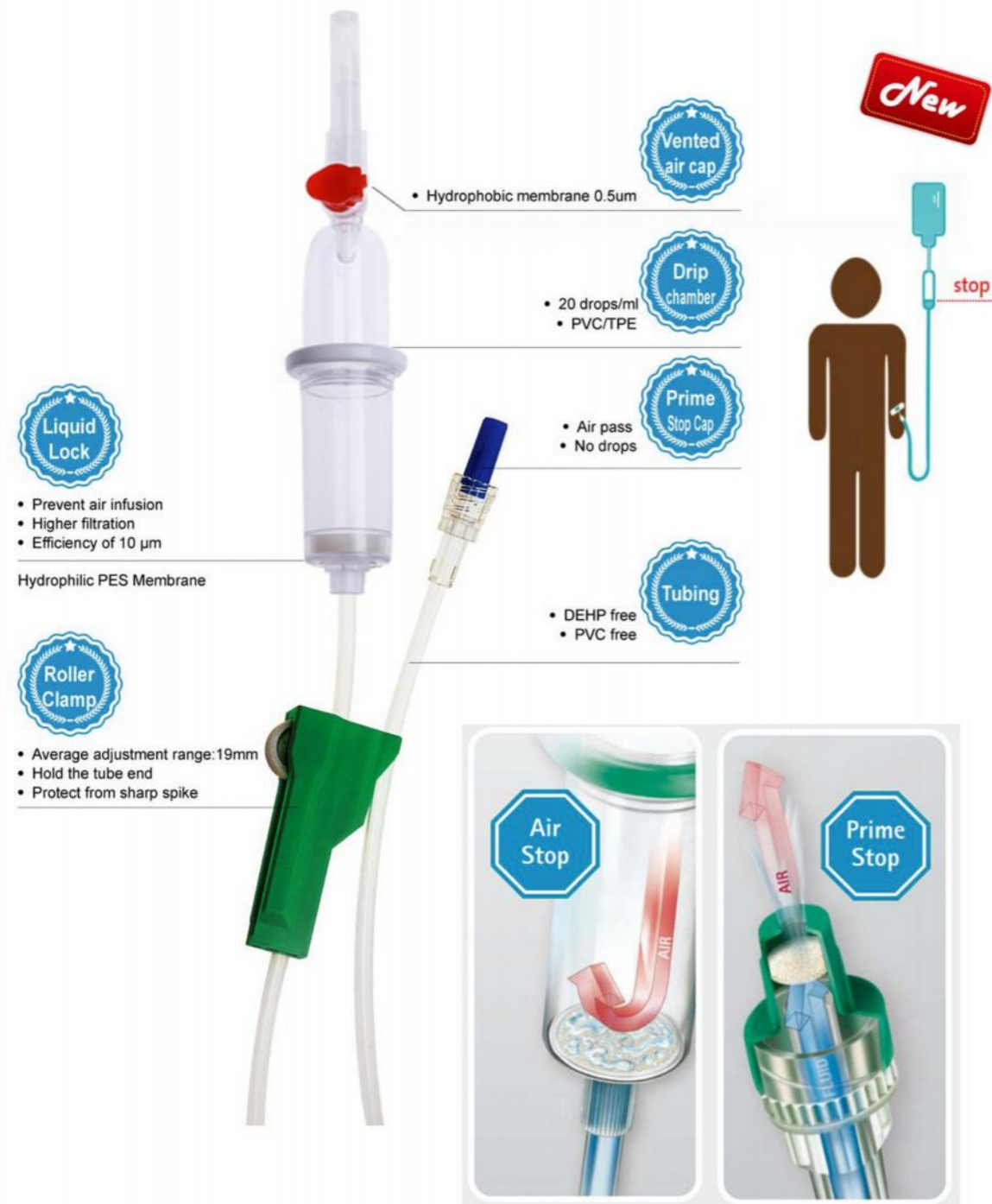


Company profile

Rizhao Bigway Medical Device CO.,LTD is a professional medical instruments and devices supplier in China. We are mainly focus on Transfusion Device , Infusion Device , Laparoscopic Device , and other medical suppliers , Our mission is to provide high quality and advanced technology medical products and One Station Solution Services to our customers all over the world. BIGWAY follows European Medical Administration guidelines. We have got certifications of ISO 13485 and CE registration. It would be our great honor to service for you and set up long-term business relationship with you



IV Administration Set-Auto Stop



IV Administration Set-Auto Stop

ITEM CODE: BW01-10001



- Specification: Air vent spike with cap
drip chamber with Auto-stop disc filter
20 or 60 drops=1ml
Roller clamp Tube Needle free connector
Lure lock connector with Prime stop cap
- Available material: PVC,DEHP FREE
- Available package: Blister package , PE pouch
- Reference standard: ISO8536-4

ITEM CODE: BW01-10002



- Specification: Air vent spike with cap
drip chamber with Auto-stop disc filter
20 or 60 drops=1ml
Roller clamp Tube flow regulator infusion filter
Needle free connector Lure lock connector with cap
- Available material: PVC,DEHP FREE
- Available package: Blister package , PE pouch
- Reference standard: ISO8536-4

ITEM CODE: BW01-10003



- Specification: Air vent spike with cap
drip chamber with Auto-stop disc filter
20 or 60 drops=1ml
Roller clamp Tube Y-injection port
Lure lock connector with cap
- Available material: PVC,DEHP FREE
- Available package: Blister package , PE pouch
- Reference standard: ISO8536-4

IV Administration Set-Gravity



ITEM CODE: BW02-20001

- Specification: Air vent spike with cap
62mm drip chamber with disc filter
20 or 60 drops=1ml
Roller clamp Tube Needle free connector
Lure lock connector with cap
- Available material: PVC,DEHP FREE
- Available package: Blister package , PE pouch
- Reference standard: ISO8536-4



ITEM CODE: BW02-20002

- Specification: Air vent spike with cap
62mm drip chamber with disc filter
20 or 60 drops=1ml
Roller clamp Tube flow regulator Y-injection port
Lure lock connector with cap
- Available material: PVC,DEHP FREE
- Available package: Blister package , PE pouch
- Reference standard: ISO8536-4



ITEM CODE: BW02-20003

- Specification: Air vent spike with cap
62mm drip chamber with disc filter
20 or 60 drops=1ml
Roller clamp Tube Y-injection port
Lure lock connector with cap
- Available material: PVC,DEHP FREE
- Available package: Blister package , PE pouch
- Reference standard: ISO8536-4



ITEM CODE: BW02-20004

- Specification: Air vent spike with cap
62mm drip chamber with disc filter
20 or 60 drops=1ml
Roller clamp Tube Flashbulb
Lure lock connector with cap
- Available material: PVC,DEHP FREE
- Available package: Blister package , PE pouch
- Reference standard: ISO8536-4

IV Administration Set-Gravity



ITEM CODE: BW02-20005

- Specification: Air vent spike with cap
62mm drip chamber with disc filter
20 or 60 drops=1ml
Roller clamp Tube
Check valve with cap
- Available material: PVC,DEHP FREE
- Available package: Blister package , PE pouch
- Reference standard: ISO8536-4



ITEM CODE: BW02-20006

- Specification: Air vent spike with cap
62mm drip chamber with disc filter
20 or 60 drops=1ml
Roller clamp Tube Y-site Infusion filter Robert clamp
Flow regulator Three way stopcock Lure lock with cap
- Available material: PVC,DEHP FREE
- Available package: Blister package , PE pouch
- Reference standard: ISO8536-4



ITEM CODE: BW02-20007

- Specification: Air vent spike with cap
72mm drip chamber with Auto-stop disc filter
20 or 60 drops=1ml
Roller clamp Tube Needle free connector Flow regulator
Three way stopcock Flashbulb Lure lock with cap
- Available material: PVC,DEHP FREE
- Available package: Blister package , PE pouch
- Reference standard: ISO8536-4



ITEM CODE: BW02-20008

- Specification: Air vent spike with cap
72mm drip chamber with Auto-stop disc filter
20 or 60 drops=1ml
Roller clamp Tube Needle free connector Infusion filter
Three way stopcock Rotating Lure lock with cap
- Available material: PVC,DEHP FREE
- Available package: Blister package , PE pouch
- Reference standard: ISO8536-4

IV Administration Set-Pump Use

Acute care, long term care, home care, emergency responders veterinarians, etc, all use drug delivery pumps to provide accurate infusion rates.

The most common drug delivery pumps use linear peristaltic motion. Silicone tubing and common PVC tubing sets are used for peristaltic pump. PVC tubing sets are more economic as consumables.

The CDC guidelines in USA are now requests 96hours duration for pump iv sets.

But the Fatigue Resistance of PVC tubing in market could not meeting long time usage requirement. Typical IV sets can only last for a few hours.

The pump infusion set has been licensed with NF96 Pump Tubing technology, which allows tubing keep running 96hours without fatigue. This DEHP Free tubing is made from patented compound formula unique production process.

Since BIGWAY is a professional IV components manufacturer, BIGWAY has big range of various IV components, with all kinds of self made components and also NF96 pump tubing, you could rely on BIGWAY to customize your pump sets.

To customize your IV pump set all you need to do is:

1. Please provide one of your pumps (we will return the pump after testing)
2. Provide one case of the tubing you use today (for benchmarking)
3. We will then do performance testing and design a NF96 tubing for your application
4. After you approved the tubing, we could provide complete set samples for you.



ITEM CODE: BW03-30001

- Specification: Air vent spike with cap
62mm drip chamber with Auto-stop disc filter
20 or 60 drops=1ml
Roller clamp PumpTube Y-injection port
Lure lock connector with cap
- Available material: PVC, DEHP FREE
- Available package: Blister package, PE pouch
- Reference standard: ISO8536-4



IV Administration Set-Lightproof



ITEM CODE: BW04-40001

- Specification: Air vent spike with cap
62mm drip chamber with disc filter
20 or 60 drops=1ml
Roller clamp Lightproof Tube
Rotating Lure lock with cap
- Available material: PVC, DEHP FREE
- Available package: Blister package, PE pouch
- Reference standard: ISO8536-4



ITEM CODE: BW04-40002

- Specification: Air vent spike with cap
62mm drip chamber with Auto-stop disc filter
20 or 60 drops=1ml
Roller clamp Tube Y-injection port
Lure lock connector with cap
- Available material: PVC, DEHP FREE
- Available package: Blister package, PE pouch
- Reference standard: ISO8536-4



ITEM CODE: BW01-11001

- Specification: Air vent spike with cap
62mm drip chamber with Auto-stop disc filter
20 or 60 drops=1ml
Roller clamp Tube Infusion filter
Lure lock connector with cap
- Available material: PVC, DEHP FREE
- Available package: Blister package, PE pouch
- Reference standard: ISO8536-4





IV Administration Set-For Chemotherapy Drugs

The lightproof infusion sets designed specifically for oncology, due to its choice of materials and components. The line can be realized in PVC DEHP-free material or in completely PVC FREE material, both characterized by a certified degree of photosensitivity and therefore light protection.

Main Features:

- PVC DEHP FREE/ PVC FREE amber photosensitive material: allows a safer use with the most light-sensitive drugs. the first line of infusion sets with a certified degree of photosensitivity.
- Innovative Needlefree Connectors: increase operator safety when handling dangerous drugs. The luer access allows the user to connect a luer lock syringe and begin therapy only after locking the syringe on the connector, without any risk of medication leakage.
- Check valves: allow to infuse the anticancer drug with no error or re-inhalation possibility once the drug was injected.
- System for air removal and priming prior to drug delivery: ensures no air bubbles or accidental release of the drug.
- Perforator: ergonomic design for easy grip, small size to allow the simultaneous use of two drifters on bag or bottle.
- Inviolable Closing: maximum protection and inability to disconnect.

Technical Specifications:

- Certified degree of amber photosensitive tubes and drip chambers, made in PVC DEHP FREE / PVC FREE.
- All the materials are USP class VI.
- Various possible configurations and custom service available in order to meet the needs of the customer.



ITEM CODE: BW05-50001

- Specification: Spike with cap
Drip chamber with disc filter
3*Check valve Robert clamp
Roller clamp Tube
Roataing Lure lock with prime stop cap
- Available material: PVC,DEHP FREE
- Available package: Blister package , PE pouch
- Reference standard: ISO8536-4



ITEM CODE: BW05-50002

- Specification: Spike with cap
Drip chamber with disc filter 4*Check valve
Robert clamp Needle free connector
Roller clamp Tube Infusion filter
Roataing Lure lock with prime stop cap
- Available material: PVC,DEHP FREE
- Available package: Blister package , PE pouch
- Reference standard: ISO8536-4

IV Administration Set-For Chemotherapy Drugs



ITEM CODE: BW05-50003

- Specification: Air vent spike with cap
Needle free connector
Robert clamp Tube
Infusion filter
Rotating Lure lock with prime stop cap
- Available material: PVC,DEHP FREE
- Available package: Blister package , PE pouch
- Reference standard: ISO8536-4



ITEM CODE: BW05-50004

- Specification: Air vent spike with cap
Needle free connector I
Roller clamp Tube
Lure lock connector
Prime stop cap
- Available material: PVC,DEHP FREE
- Available package: Blister package , PE pouch
- Reference standard: ISO8536-4



ITEM CODE: BW05-50005

- Specification:
Air vent spike with cap
Needle free connector with cap
- Available material: ABS
- Available package: Blister package , PE pouch
- Reference standard: ISO8536-4



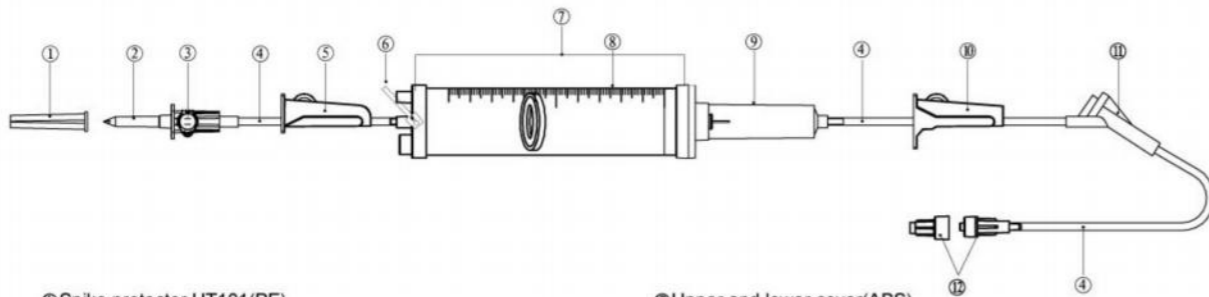
ITEM CODE: BW05-50006

- Specification:
Air vent spike with cap
With 5um filter membrane
- Available material: ABS
- Available package: Blister package , PE pouch
- Reference standard: ISO8536-4

IV Administration Set-IV Burette Set



IV Burette Set
DEHP Free



- ① Spike protector HT101(PE)
- ② Vented spike VST01(ABS)
- ③ Air cap(PVC) Hydrophobic membrane 0.5μm(Glass fiber)
- ④ Tube 3.0*4.0mm(PVC)
- ⑤ ON/OFF Roller clamp RC103(ABS)
- ⑥ Hanger(PE)

- ⑦ Upper and lower cover(ABS)
- ⑧ Burette chamber(PETG)
- ⑨ 72mm Drip chamber(PVC)
- ⑩ Roller clamp RC101-B(ABS)
- ⑪ Y-injection site ST102-IR(PC&Isoprene rubber)
- ⑫ Male luer lock(ABS) and cap(PE)

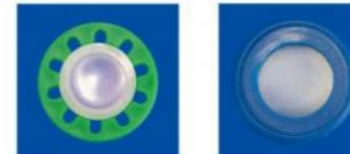
IV Administration Set-IV Burette Set

Upper Cover



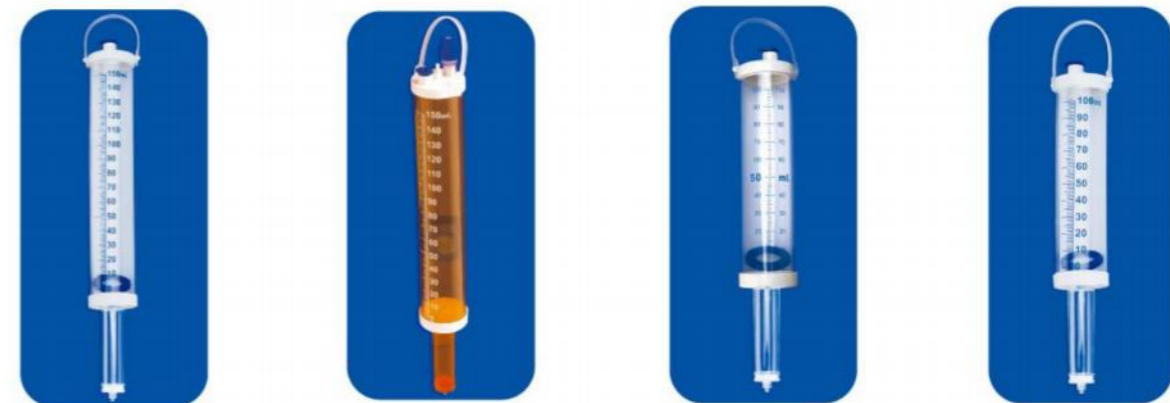
Upper Cover	Injection site
	Normal injection site
	With needle free valve

Float Valve



Float Valve	Color	Material
	Green	PP+Silicon
	Blue	PP+Silicon

Burette Chamber



Burette Chamber	Color	Printing	Volume
	Transparent	Single-scale	100ml
	Lightproof	Double-scale	150ml

IV Administration Set - PVC Free

TPU infusion set Main features

- 1) . Free PVC and DEHP, completely non-toxic
- 2) .TPU is non-polar materials, Non-adsorption for the drug and ensures the accuracy of medication and therapy
- 3) .With reliable, safe operation, do not contain any potential harm to patient's health or added in the course of treatment of patients with disease risk of small molecule compounds or additives



TPU infusion and the PVC infusion drugs adsorption value contrast

Drug Name	PVC infusion set (5min)	TPU infusion set (5min)
Nimodipine injection	56.0%	4.6%
Nitroglycerin Injection	56.6%	5.3%
Diazepam injection	2.7%	0.3%
Amiodarone Hydrochloride Injection	4.6%	-0.1%
Furosemide Injection	1.7%	0.7%
promethazine hydrochloride injection	0.9%	0.6%
Isosorbide Mononitrate Injection	2.1%	0.5%
Metronidazole Injection	-1.4%	-1.0%

TPU infusion set and PVC infusion set performance contrast

Chemical Properties	PVC infusion set	TPU infusion set
Easy oxide (ml)	0.6	none
Metal ion ($\mu\text{g}/\text{ml}$)	< 0.3	none
Alkalinity	0.03	0.02
UV absorbance	0.04	0.01
Evaporation residue (mg)	≤ 5	0.3
Epoxy Ethane Residue	0.2	< 0.01

Biological Performance	PVC infusion set	TPU infusion set
Hemolysis rate	$\leq 5\%$	0.4%
Cytotoxicity	≤ 1 级class	1级class
Skin sensitization	≤ 1 级class	无none
Intracutaneous reactivity	≤ 1	0.0
pyrogen	无none	无none
Acute toxicity	无none	无none

IV Administration Set - PVC Free

ITEM CODE: BW06-60001



- Specification: Air vent spike with cap drip chamber with Auto-stop disc filter 20 or 60 drops=1ml Roller clamp PVC Free Tube Lure lock connector with cap
- Available material: PVC FREE
- Available package: Blister package , PE pouch
- Reference standard: ISO8536-4



ITEM CODE: BW06-60002



- Specification: Air vent spike with cap 62mm drip chamber with disc filter 20 or 60 drops=1ml Roller clamp PVC Free Tube Y-injection port Lure lock connector with cap
- Available material: PVC FREE
- Available package: Blister package , PE pouch
- Reference standard: ISO8536-4

0.2um TPU infusion set for Taxol

1. Taxol specified in the specification should be used for the infusion of paclitaxel infusion bottles and infusion set must non-PVC material, and through the connected filters, the filter of the microporous film should be less than 0.22 microns
2. Our company 0.2um TPU infusion set Dedicated to the paclitaxel injection, TPU infusion set Free PVC-DEHP, the pore of filter 0.2um, Clinically proven to use to good effect



ITEM CODE: BW06-60003

- Specification: Air vent spike with cap 62mm drip chamber with disc filter 20 or 60 drops=1ml Roller clamp PVC Free Tube Y-injection port 0.2um Infusion Filter Lure lock with cap
- Available material: PVC, DEHP FREE
- Available package: Blister package , PE pouch
- Reference standard: ISO8536-4

INFUSION ACCESSORIES

ITEM CODE: BW90001

Air vent cap

- Material : PE
- Air pore : 1.2um
- Available color : White, Blue, Green



ITEM CODE: BW90003

Three way stopcock

- Material : PC
- Thread standard : 6 : 100 , which conform to international Standard and GB
- Flow rate : 500ml/min



ITEM CODE: BW90005

Air vent spike with cap , with finger protector,

- Lure lock with needle free connector
- Available package : Blister package



ITEM CODE: BW90002

Air vent cap

- Material : ABS
- Air pore:1.2um
- Available color:White, Blue, Green



ITEM CODE: BW90004

Three way stopcock with needle free connector

- Material : PC
- Thread standard : 6 : 100 , which conform to international Standard and GB
- Flow rate : 500ml/min
- For the tube OD : 4.1mm



ITEM CODE: BW90006

Precision flow regulator

- Material : ABS
- For the tube OD: 4.1mm
- Flow range : 5ml/h -250ml/h



CHECK VALVE

ITEM CODE: BW110001

Low pressure In-line check valve

- Material : ABS, Silicone disk
- Back pressure : 30psi of water
- Flow rate : approx 450ml/min
- For the tube OD : 4.1mm



ITEM CODE: BW110002

Low pressure M/F check valve

- Material : PC, Silicone disk
- Back pressure : 30psi of water
- Flow rate : approx 450ml/min
- Thread standard : Male and Female lure lock



ITEM CODE: BW110003

Low pressure In-line check valve

- Material : PC, Silicone disk
- Back pressure : 30psi of water
- Flow rate : approx 450ml/min
- For the tube OD : 4.1mm
- Thread standard : 6 : 100 , which conform to international standard and GB



ITEM CODE: BW110004

Low pressure In-line check valve

- Material : PC, Silicone disk
- Back pressure : 30psi of water
- Flow rate : approx 450ml/min
- For the tube OD : 4.1mm
- Thread standard : 6 : 100 , which conform to international standard and GB



ITEM CODE: BW110005

Low pressure In-line check valve

- Material : PC, Silicone disk
- Back pressure : 30psi of water
- Flow rate : approx 450ml/min
- For the tube OD : 4.1mm
- Thread standard : 6 : 100 , which conform to international standard and GB



HEPARIN CAP



ITEM CODE: BW120001

- Heparin cap
- Material : PC
 - Thread standard : 6 : 100 , which conform to international standard and GB
 - Color : transparent



ITEM CODE: BW120002

- Heparin cap
- Material : PC
 - Thread standard : 6 : 100 , which conform to international standard and GB
 - Color : transparent



ITEM CODE: BW120003

- Heparin cap
- Material : PC
 - Thread standard : 6 : 100 , which conform to international standard and GB
 - Color : Yellow



ITEM CODE: BW120004

- Heparin cap
- Material : PC
 - Thread standard : 6 : 100 , which conform to international standard and GB
 - Color : Yellow

NEEDLE FREE CONNECTOR



ITEM CODE: BW130001

- BW-P1001
Positive pressure needle free connector
- Specification : Positive pressure
 - Thread standard : 6 : 100 , which conform to international standard and GB
 - Material : Body : PC Plug : silicone
 - Sterile : EO
 - Available package : Blister package
 - Reference standard : ISO8536-4



ITEM CODE: BW130002

- BW-P1001
Positive pressure needle free connector
- Specification : Positive pressure
 - Thread standard : 6 : 100 , which conform to international standard and GB
 - Material : Body : PC Plug : silicone
 - Sterile : EO
 - Available package : Blister package
 - Reference standard : ISO8536-4



ITEM CODE: BW130003

- BW-N1002
Neutral pressure needle free connector
- Specification : Neutral pressure
 - Thread standard : 6 : 100 , which conform to international standard and GB
 - Material : Body : PC Plug : silicone
 - For the tube OD : 4.1mm
 - Reference standard : ISO8536-4



ITEM CODE: BW130004

- BW-N1002
Neutral pressure needle free connector
- Specification : Neutral pressure
 - Thread standard : 6 : 100 , which conform to international standard and GB
 - Material : Body : PC Plug : silicone
 - For the tube OD : 2.3mm or 4.1mm
 - Reference standard : ISO8536-4

INFUSION FILTER



Product No	Membrane	Pore	Tube size
BW141001	PES	5um	3.1*4.0
BW141002	PES	1.2um	3.1*4.0
BW141003	PES	0.2um	3.1*4.0



Product No	Membrane	Pore	Tube size
BW142001	PES	5um	3.1*4.0
BW142002	PES	1.2um	3.1*4.0
BW142003	PES	0.2um	3.1*4.0



Product No	Membrane	Pore	Tube size
BW143001	PES	5um	3.1*4.0
BW143002	PES	1.2um	3.1*4.0
BW143003	PES	0.2um	3.1*4.0



Product No	Membrane	Pore	Tube size
BW144001	PES	5um	3.1*4.0
BW144002	PES	1.2um	3.1*4.0
BW144003	PES	0.2um	3.1*4.0

INFUSION FILTER



Product No	Membrane	Pore	connector size
BW145001	PES	5um	ID:3.0mm
BW145002	PES	1.2um	ID:3.0mm
BW145003	PES	0.2um	ID:3.0mm
BW145004	PES	5um	ID:2.5mm
BW145005	PES	1.2um	ID:2.5mm
BW145006	PES	0.2um	ID:2.5mm
BW145007	PES	5um	ID:2.0mm
BW145008	PES	1.2um	ID:2.0mm
BW145009	PES	0.2um	ID:2.0mm



Product No	Membrane	Pore	connector size
BW146001	PES	5um	ID:3.0mm
BW146002	PES	1.2um	ID:3.0mm
BW146003	PES	0.2um	ID:3.0mm
BW146004	PES	5um	ID:2.5mm
BW146005	PES	1.2um	ID:2.5mm
BW146006	PES	0.2um	ID:2.5mm
BW146007	PES	5um	ID:2.0mm
BW146008	PES	1.2um	ID:2.0mm
BW146009	PES	0.2um	ID:2.0mm



Product No	Membrane	Pore	Air vent	Color
BW147001	PES	5um	with	Green
BW147002	PES	1.2um	with	Blue
BW147003	PES	0.2um	with	Purple
BW147004	PES	5um	without	Green
BW147005	PES	1.2um	without	Blue
BW147006	PES	0.2um	without	Purple

EXTENSION TUBE



Extension tube with infusion filter

- Features
- 1: this connect infusion pump or syringe pump
- 2.material : DEHP -FREE PVC tube
- 3.high precision filtration

Item code	Optional component				Tube size	color	length
	Slide	"Y"	Needleless	Filter			
BW151001	√	√	√	0.2um	3.0*4.1mm	Transparent	10、30、50、80、
BW151002	√	√	√	1.2um 5um	3.0*4.1mm	Light proof	100、150cm



Extension tube with infusion filter

- Features
- 1: this connect infusion pump or syringe pump
- 2.material : DEHP -FREE PVC tube
- 3.high precision filtration

Item code	Optional component				Tube size	color	length
	Slide	Infusion Filter					
BW152001	√	5um	1.2um	0.2um	2.0*3.0mm	Transparent	10、30、50、80、
BW152002	√	5um	1.2um	0.2um	2.0*3.0mm	Light proof	100、150cm



Extension tube

- Features
- 1: this connect infusion pump or syringe pump
- 2.material : DEHP -FREE PVC tube
- 3.high precision filtration

Item code	Optional component			Tube size	color	length
	Slide	"Y" injection	Needleless			
BW153001	√	√	√	3.0*4.1mm	Transparent	10、30、50、80、100、150cm
BW153002	√	/	/	1.0*2.3mm	Transparent	
BW153003	√	√	√	3.0*4.1mm	Light proof	
BW153004	√	/	/	1.0*2.3mm	Light proof	

EXTENSION TUBE



Extension tube with infusion filter

- Features
- 1: this connect infusion pump or syringe pump
- 2.material : DEHP -FREE PVC tube
- 3.high precision filtration

Item code	Optional component				Tube size	color	length
	Slide	Infusion Filter					
BW154001	√	5um	1.2um	0.2um	2.0*3.0mm	Transparent	10、30、50、80、
BW154002	√	5um	1.2um	0.2um	2.0*3.0mm	Light proof	100、150cm



Extension tube with precision flow regulator

- Features
- 1: this connect infusion pump or syringe pump
- 2.material : DEHP -FREE PVC tube
- 3.precision flow controller from 5-250ml/h

Item code	Optional component			Tube size	color	length
	Slide	"Y" injection	Needleless			
BW155001	√	√	√	3.0*4.1mm	Transparent	10、30、50、80、
BW155002	√	√	√	3.0*4.1mm	Transparent	100、150cm



Extension tube with three way stopcock

- Features
- 1: this connect infusion pump or syringe pump
- 2.material : DEHP -FREE PVC tube
- 3.Rotating lure lock

Item code	Optional component			Tube size	color	length
	Slide	"Y" injection	Needleless			
BW156001	√	√	√	3.0*4.1mm	Transparent	10、30、50、80、
BW156002	√	√	√	3.0*4.1mm	Transparent	100、150cm

EXTENSION TUBE



Extension tube with needle free connector

- Features
 - 1: The internal space is designed without dead space. It can reduce blood and drug sediment.
 - 2: Protruding design of injection port follows infection control protocol.
 - 3: High quality silicone valve ensures multiple insertion without leakage.
 - 4: Small size and transparent housing make the patient more comfortable.

ITEM CODE	Product name	Length	Priming Volume	Flow rate	Tube size
BW157001	One-way	10cm	0.35ml	160ml/min	1.3*2.3mm
BW157002	Two-way	10cm	0.35ml	160ml/min	1.3*2.3mm
BW157003	Three-way	10cm	0.35ml	160ml/min	1.3*2.3mm



Extension tube with "T" port

- Features
 - 1: "T" -connector tube is convenient device for Drugs infusion by side shooting
 - 2.heparin cap and lure lock

Item code	Length	I.D (mm)	O.D (mm)	Slide
BW158001	10cm	1.3	2.3	√



Extension tube with spike

- spike with air vent ,roller clamp ,dual check value

Item code	Length	Tube size	Dual check value
BW159001	100cm	3.0*4.1mm	√

EXTENSION TUBE



HIGH PRESSURE BRAIDED TUBE

Item code	Tube size	Pressure	Length
BW161001	1.8*3.65mm	1200psi	100cm
BW161002	1.8*3.6mm	1200psi	150cm
BW161003	2.3*4.8mm	1200psi	200cm



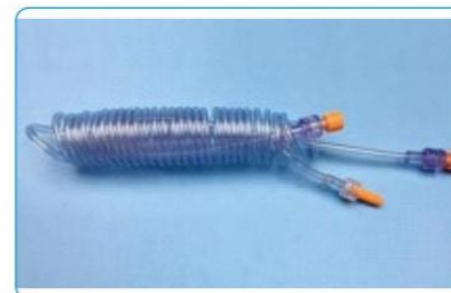
PRESSURE EXTENSION TUBE

Item code	Tube size	Pressure	Length
BW162001	3*4.0mm	500psi	100cm
BW162002	1.5*3.0mm	500psi	150cm
BW162003	1.0*2.0mm	350psi	200cm



COILED PRESSURE EXTENSION TUBE

Item code	Three way stopcock	check value	Pressure	Tube size
BW163001	√	/	350psi	1.5*2.5mm
BW163002	/	√	350psi	



COILED PRESSURE EXTENSION TUBE

Item code	Three way stopcock	check value	Pressure	Tube size
BW164001	√	/	350psi	1.7*2.7mm
BW164002	/	√	350psi	

I.V.CANNULA

Features

- 1) Useful in high risk cases where no extra opening is permitted for risk of infection.
- 2) Symmetrical design facilitates cannulation at contoured surfaces.
- 3) Minimum area of contact with patient's body.
- 4) Color coded body for size identification.
- 5) Disposable, sterile and non-pyrogenic.
- 6) Transparent hub for easy flashback visualisation.
- 7) HYDROPHOBIC FILTER allows consistent flashback.
- 8) Kink resistant and biocompatible catheter with smooth surface for easy penetration.
- 9) Advance tip design provides smooth transition from needle to catheter.



I.V.Cannula pen like model					
REF	Gauge	Color coding	Ext Dia (mm)	Length (mm)	Flow rate (ml/min)
BW171001	14G	Orange	2.0	45/55	300
BW171002	16G	Grey	1.6	45/55	150
BW171003	18G	Green	1.2	45	75
BW171004	20G	Pink	1.0	33	55
BW171005	22G	Blue	0.8	25	25
BW171006	24G	Yellow	0.7	19	15



I.V.Cannula with wings					
REF	Gauge	Color coding	Ext Dia (mm)	Length (mm)	Flow rate (ml/min)
BW172001	14G	Orange	2.0	45/55	300
BW172002	16G	Grey	1.6	45/55	150
BW172003	18G	Green	1.2	45	75
BW172004	20G	Pink	1.0	33	55
BW172005	22G	Blue	0.8	25	25
BW172006	24G	Yellow	0.7	19	15



I.V.Cannula with injection valve and wings					
REF	Gauge	Color coding	Ext Dia (mm)	Length (mm)	Flow rate (ml/min)
BW173001	14G	Orange	2.0	45/55	300
BW173002	16G	Grey	1.6	45/55	150
BW173003	18G	Green	1.2	45	75
BW173004	20G	Pink	1.0	33	55
BW173005	22G	Blue	0.8	25	25
BW173006	24G	Yellow	0.7	19	15

INFUSION PUMP

COMMON FEATURES

Easy to use

- Non-electrical pump, maintenance free; lightweight and disposable for maximum convenience.
- Minimal training requirement for nurse/patient.

Accurate

- Preset flow rate intended to provide accuracy for hospital and home care environment.
- Well-designed capillary flow rate control tubing ensures accuracy.

Safe

- Infusion tubing suitable for administration of viscous and irritant medication used in chemotherapy.
- Durable protective plastic housing.

Continuous Basal Infusion (CBI Type)



Continuous Basal Infusion (CBI Soft Type)



REF	Flow Rate (ml/h)	Volume (ml)	Filter(um)	Efficient infusion capacity
BW181001	2.0, 3.0, 4.0, 5.0	60, 100, 150, 200, 275	5um, 1.2um	>90%
BW182001	2.0, 3.0, 4.0, 5.0	60, 100, 150, 200, 275	5um, 1.2um	>90%

Patient Controlled Analgesia (CBI +PCA Type)



Multirate (CBI+Multirate Type)



Multirate (CBI+Multirate Type)



Multirate (CBI+Multirate +PCA Type)



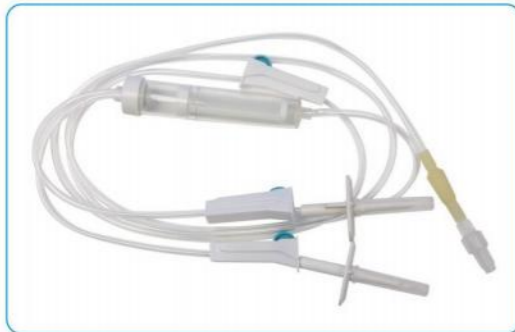
REF	Flow Rate (ml/h)	Volume(ml)	PCA (ml/every 15min)	Filter(um)	Efficient infusion capacity
BW183001	2.0, 3.0, 4.0, 5.0	60, 100, 150, 200, 275	0.5ml	5um, 1.2um	>90%
BW184001	2.0, 4.0, 6.0, 8.0	60, 100, 150, 200, 275	/	5um, 1.2um	>90%
BW185001	0, 2.0, 4.0, 6.0, 8.0, 10, 12, 14	60, 100, 150, 200, 275	/	5um, 1.2um	>90%
BW186001	0, 2.0, 4.0, 6.0, 8.0, 10, 12, 14	60, 100, 150, 200, 275	0.5ml	5um, 1.2um	>90%

BLOOD TRANSFUSION SET



ITEM CODE: BW20001

- Specification : Spike without Air vent with cap
Drip chamber with filter
Roller clamp Tube latex-free flashbulb
Lure lock connector with cap
- Available material : PVC or PVC (DEHP FREE)
- Available package : Blister package · PE pouch
- Reference standard : ISO1135-4



ITEM CODE: BW20002

- Specification : two spike with cap
Drip chamber with filter
Roller clamp Tube latex-free flashbulb
Lure lock connector with cap
- Available material : PVC or PVC (DEHP FREE)
- Available package : Blister package · PE pouch
- Reference standard : ISO1135-4



ITEM CODE: BW20003

- Specification : Air vent spike with cap
Drip chamber with filter
Roller clamp Tube latex-free flashbulb
Lure lock connector with cap
- Available material : PVC or PVC (DEHP FREE)
- Available package : Blister package · PE pouch
- Reference standard : ISO8536-4



BLOOD COLLECTION NEEDLE

Features

1. single puncture, multiple collecting of blood samples, palliate sufferings of patients and improve efficiency of blood collection
2. Thin wall, high flow needle makes blood collection more quickly and reduces incidence rate of hemolysis
3. High quality ultra-sharp stainless steel needle assure atraumatic insertion and painless penetration
4. Excellent self sealing ensure the blood not flow out
5. Ideal choice for syringe transforming to vacuum blood



Patient Controlled Analgesia Patient Controlled Analgesia



Patient Controlled Analgesia Patient Controlled Analgesia



size		color	length	
OD(mm)	Gauge		1/2"	1"
0.6	23G	blue		√
0.7	22G	black	√	√
0.8	21G	green	√	√
0.9	20G	yellow	√	√
1.2	18G	pink	√	√
1.6	16G	White	√	√

Patient Controlled Analgesia



I.V.Cannula with injection valve and wings

Description	Color	Additive	volume
General tube	Red	No additive	3/4/5ml
Coagulation promoting	Red	coagulant	3/4/5ml
Coagulation promoting	Yellow	Coagulant and separate Gel	3/4/5ml
EDTA tube	Purple	EDTAK2 / EDTAK3	1/2/3ml
Coagulant tube	Black	Sodium citrate	1.8/2.7ml
ESR tube	Blue	Sodium citrate	1.6/2.4ml
Heparin tube	Green	Heparin sodium / Heparin Lithium	3/4/5ml
Oxalate tube	Grey	Sodium fluoride /potassium oxalate	3/4/5ml

BESIDE LEUKOCYTE FILTER FOR HOSPITAL

LEUKOCYTE FILTER "LOG4" FOR WHOLE BLOOD OR RED CELL BLOOD



FEATURES

- 1.High efficiency leukocyte removal
- 2.High red cell recovery
- 3.Patient protection against leukocyte-related transfusion complications such as microaggregates, Cytomegalovirus, immunosuppression and alloimmunization
- 4.Ease of use has been significantly enhanced by the new filter design which provides
- 5.Bedside filtration of one unit of red cells or whole blood.

REF	Residential WBC count	RBC recovery rate	Hold-up volume	Filtration time
BW230001	<1*10 ⁶	>90%	<20ml	<20min



REF	Residential WBC count	RBC recovery rate	Hold-up volume	Filtration time
BW230002	<1*10 ⁶	>90%	<20ml	<20min



REF	Residential WBC count	RBC recovery rate	Hold-up volume	Filtration time
BW230003	<1*10 ⁶	>90%	<20ml	<20min

LEUKOCYTE FILTER "LOG5" FOR WHOLE BLOOD OR RED CELL BLOOD



REF	Residential WBC count	RBC recovery rate	Hold-up volume	Filtration time
BW230004	<2.5*10 ⁵	>90%	<20ml	<20min



REF	Residential WBC count	RBC recovery rate	Hold-up volume	Filtration time
BW230005	<2.5*10 ⁵	>90%	<20ml	<20min

LABORATORY LEUKOCYTE FILTER FOR HOSPITAL

LEUKOCYTE FILTER "LOG4" FOR WHOLE BLOOD OR RED CELL BLOOD



FEATURES

- 1.High efficiency filtration, providing consistently low residual leukocytes
- 2.High red cell and plasma recovery through minimal filter hold up volume
- 3.Rapid filtration without saline
- 4.Easy to use, fits into routine standard operating procedures and logistics Clinical Benefits
- 5.Laboratory filtration of one unit of red cells or whole blood.

REF	Residential WBC count	RBC recovery rate	Hold-up volume	Filtration time
BW231001	<1*10 ⁶	>90%	<20ml	<20min



REF	Residential WBC count	RBC recovery rate	Hold-up volume	Filtration time
BW231002	<1*10 ⁶	>90%	<20ml	<20min



REF	Residential WBC count	RBC recovery rate	Hold-up volume	Filtration time
BW231003	<1*10 ⁶	>90%	<20ml	<20min

LEUKOCYTE FILTER "LOG5" FOR WHOLE BLOOD OR RED CELL BLOOD



REF	Residential WBC count	RBC recovery rate	Hold-up volume	Filtration time
BW231004	<2.5*10 ⁵	>90%	<20ml	<20min



REF	Residential WBC count	RBC recovery rate	Hold-up volume	Filtration time
BW231005	<2.5*10 ⁵	>90%	<20ml	<20min

LEUKOCYTE FILTER FOR PLATELET



REF	BW232001
Biological properties	Residential WBC count 1×10^6/unit
	Platelet recovery rate $\geq 90\%$
Hold-up volume	Filter Hold-up volume <math>< 5\text{ml}</math>
Usage method	Filter leukocyte from platelet



REF	BW232002
Biological properties	Residential WBC count 1×10^6/unit
	Platelet recovery rate $\geq 90\%$
Hold-up volume	Filter Hold-up volume <math>< 5\text{ml}</math>
Usage method	Filter leukocyte from platelet

IN-LINE LEUKOCYTE REDUCTION FILTER FOR BLOOD BANK



REF	BW233001
Biological properties	Residential WBC count 1×10^6/unit
	Platelet recovery rate $\geq 90\%$
Hold-up volume	Filter Hold-up volume <math>< 5\text{ml}</math>
Usage method	Filter leukocyte from platelet



REF	BW233002
Biological properties	Residential WBC count 1×10^6/unit
	Platelet recovery rate $\geq 90\%$
Hold-up volume	Filter Hold-up volume <math>< 5\text{ml}</math>
Usage method	Filter leukocyte from platelet



REF	BW233003
Biological properties	Residential WBC count 1×10^6/unit
	Platelet recovery rate $\geq 90\%$
Hold-up volume	Filter Hold-up volume <math>< 5\text{ml}</math>
Usage method	Filter leukocyte from platelet

LEUKOCYTE FILTER FOR WHOLE BLOOD OR RED CELL BLOOD



REF	BW234001	BW234002
Residential WBC count	1×10^6	
RBC recovery rate	$\geq 90\%$	
Hold-up volume	<math>< 20\text{ml}</math>	
Filter time	<math>< 20\text{min}</math>	
Filtration volume	450ml	200ml
Color	Cream	



REF	BW234003	BW234004
Residential WBC count	1×10^6	
RBC recovery rate	$\geq 90\%$	
Hold-up volume	<math>< 20\text{ml}</math>	
Filter time	<math>< 20\text{min}</math>	
Filtration volume	450ml	200ml
Color	Cream	



REF	BW234005	BW234006
Residential WBC count	1×10^6	2.5×10^5
RBC recovery rate	$\geq 90\%$	
Hold-up volume	<math>< 20\text{ml}</math>	
Filter time	<math>< 20\text{min}</math>	
Filtration volume	450ml	
Color	Transparent	

LEUKOCYTE REDUCTION FILTER FOR PLATELET



REF	BW235001
Residential WBC count	1×10^6
Platelet recovery rate	$\geq 90\%$
Hold-up volume	<math>< 5\text{ml}</math>
Filter time	<math>< 20\text{min}</math>
Filtration volume	450ml
Shell	Hard shell



REF	BW235002
Residential WBC count	1×10^6
Platelet recovery rate	$\geq 90\%$
Hold-up volume	<math>< 5\text{ml}</math>
Filter time	<math>< 20\text{min}</math>
Filtration volume	450ml
Shell	Soft shell

IN-LINE LEUKOCYTE REDUCTION FILTER



REF	BW236001
Residential WBC count	1×10^6
RBC recovery rate	$\geq 90\%$
Hold-up volume	<math>< 20\text{ml}</math>
Filtration volume	450ml
Shell	Hard shell
Usage	Whole blood



REF	BW236002
Residential WBC count	1×10^6
RBC recovery rate	$\geq 90\%$
Hold-up volume	<math>< 20\text{ml}</math>
Filtration volume	450ml
Shell	Soft shell
Usage	Red cell blood



DISPOSABLE HIGH FLUX HEMODIALYZER

Features



- 1) Perfect biocompatibility.
- 2) Less protein absorption and lost.
- 3) Lasting ability of clearance of middle and small molecular toxins.
- 4) Deeper separation layer, more accurate molecular sieving curve.
- 5) Advanced electron beam sterilization methods and maintain better dialysis performance.
- 6) Patented technology, P.E.T/S.E.T/A.S.M

Model & Specification	HiF10	HiF12	HiF14	HiF16	HiF18	HiF20	
Membrane Material	Medical-grade Polyether sulfone (PES)						
Housing & Blood caps Material	Medical-grade Polycarbonate (PC)						
Potting sealants Material	Bi-component polyurethane sealants (PU)						
Inner diameter of membrane (pm)	200						
Wall thickness of membrane (pm)	40						
Max. operation pressure (kPa/mmHg)	66.5/500						
Max. flow rate (mL/min)	Max. QB=500 mVmin, Max. mWmin						
Effective membrane area (m2)	1.0	1.2	1.4	1.6	1.8	2.0	
UFR (mL/h•mmHg)	40	45	50	55	60	65	
Blood compartment volume (mL)	70	78	85	98	110	125	
Clearance rate	Test condition	QB=200 mL/min					
	Urea	189	192	194	196	197	198
	Creatinine	181	185	188	191	194	196
	Phosphate	176	180	184	188	192	195
	Vitamin B12	105	124	137	150	162	175
	Inulin	65	78	94	107	120	130
	Test condition	QF300 mL/min					
	Urea	248	255	262	270	276	280
	Creatinine	225	235	243	250	256	262
	Phosphate	224	230	236	242	248	254
	Vitamin 1312	128	142	156	170	183	196
	Inulin	90	98	110	120	128	134
	Test condition	QB=400 mL/min					
	Urea	-----	297	306	315	324	330
	Creatinine	-----	274	282	290	297	304
Phosphate	-----	260	270	280	290	298	
Vitamin B12	-----	154	170	185	198	212	
Inulin	-----	110	118	128	136	142	
Sieving coefficient	Test condition	QB=300 mL/min, QF =65 mL/min					
	Albumin (%)						
	Inulin (%)	10					
	Myoglobin (%)	55±10					
	β2-microglobulin (%)	10					

DISPOSABLE LOW FLUX HEMODIALYZER

Features



- 1) Perfect biocompatibility.
- 2) Less protein absorption and lost.
- 3) Lasting ability of clearance of middle and small molecular toxins.
- 4) Deeper separation layer, more accurate molecular sieving curve.
- 5) Advanced electron beam sterilization methods and maintain better dialysis performance.
- 6) Patented technology, P.E.T/S.E.T/A.S.M

Model & Specification	HiF10	HiF12	HiF14	HiF16	HiF18	HiF20	
Membrane Material	Medical-grade Polyether sulfone (PES)						
Housing & Blood caps Material	Medical-grade Polycarbonate (PC)						
Potting sealants Material	Bi-component polyurethane sealants (PU)						
Inner diameter of membrane (pm)	200						
Wall thickness of membrane (pm)	40						
Max. operation pressure (kPa/mmHg)	66.5/500						
Max. flow rate (mL/min)	Max. QB=500 mVmin, Max. mWmin						
Effective membrane area (m2)	1.0	1.2	1.4	1.6	1.8	2.0	
UFR (mL/h•mmHg)	15	18	22	25	28	30	
Blood compartment volume (mL)	70	78	85	98	110	125	
Clearance rate	Test condition	QB=200 mL/min					
	Urea	186	188	190	192	194	196
	Creatinine	175	178	181	184	187	190
	Phosphate	165	170	175	180	185	189
	Vitamin B12	88	100	110	118	126	133
	Test condition	Qb—300 mL/min					
	Urea	238	245	252	260	267	275
	Creatinine	206	220	233	245	257	270
	Phosphate	192	203	214	225	235	245
	Vitamin 1312	92	104	120	136	150	165
	Test condition	QB=400 mL/min					
	Urea	-----	268	279	290	300	312
	Creatinine	-----	248	261	275	288	300
	Phosphate	-----	230	244	257	270	283
	Vitamin B12	-----	110	125	142	158	173
Sterilization			Y -rays				

DISPOSABLE BLOOD BAG

Single blood bag



- Consists of one Plastic PVC bag containing anticoagulant solution
- Designed for collecting and storage of whole human blood

REF Number	Bag Capacity (ml)	Needle Gauge	Needle Gauge	
			Type	Volume
S-250C	250	16G	CPDA-1	35ml
S-350C	350	16G	CPDA-1	49ml
S-450C	450	16G	CPDA-1	63ml
S-500C	500	16G	CPDA-1	70ml

Double blood bag



- Used for separation and storage of two components from whole human blood with in a sterile closed environment
- Distributes whole blood into two parts after centrifugation:
1) Packed Red Cell, 2) Plasma

REF Number	Bag Capacity (ml)	Needle Gauge	Needle Gauge	
			Type	Volume
D-250C	250/200	16G	CPDA-1	35ml
D-350C	350/300	16G	CPDA-1	49ml
D-450C	450/300	16G	CPDA-1	63ml
D-500C	500/300	16G	CPDA-1	70ml

Triple blood bag



- Consists of one Primary whole blood collection bag containing anticoagulant solution and two Satellite bag
- Used for separation and storage of four components from whole human blood within a sterile closed environment
- Distributes whole blood into three parts after centrifugation:
1) Packed Red Cell, 2) Plasma, 3) Platelets

REF Number	Bag Capacity (ml)	Needle Gauge	Needle Gauge	
			Type	Volume
T-250C	250/200*2	16G	CPDA-135ml	35ml
T-350C	350/300*2	16G	CPDA-149ml	49ml
T-450C	450/300*2	16G	CPDA-163ml	63ml
T-500C	500/300*2	16G	CPDA-170ml	70ml
T-350CS	350/300*2	16G	CPD-SAGM	49/78ml
T-450CS	450/300*2	16G	CPD-SAGM	63/100ml
T-500CS	500/300*2	16G	CPD-SAGM	70/111ml

DISPOSABLE BLOOD BAG

QUADRUPLE BLOOD BAG



- Consists of one Primary whole blood collection bag containing anticoagulant solution and three Satellite bag
- Used for separation and storage of four components from whole human blood within a sterile closed environment
- Distributes whole blood into four parts after centrifugation:
1) Packed Red Cell, 2) Plasma, 3) Platelets, 4) Cryoprecipitate

Reference Number	Bag Capacity(ml)	Needle Gauge	Anticoagulant	
			Type	Volume
Q-250C	250/200*3	16G	CPDA-1	35ml
Q-350C	350/300*3	16G	CPDA-1	49ml
Q-450C	450/300*3	16G	CPDA-1	63ml
Q-500C	500/300*3	16G	CPDA-1	70ml
Q-350CS	350/300*3	16G	CPD-SAGM	49/78ml
Q-450CS	450/300*3	16G	CPD-SAGM	63/100ml
Q-500CS	500/300*3	16G	CPD-SAGM	70/111ml

Features

- Designed for collection, storage, transfusion and transportation of human blood and its components. •Manufactured from high quality medical grade plasticized PVC compatible with blood having properties such as non-toxicity, transparency, flexibility, high tensile strength, heat and cold resistance.
- Ultra-thin walled 16G Venipuncture needle is optimal for reducing donor pain. 17G needle is also available. •Excellent twist-off needle cover makes the needle non-reusable.
- Highly flexible and kink-resistant blood collecting tube includes serial numbers for precise, easy identification •The breakaway valve is designed for quick and easy opening of the fluid paths between bags.
- Safe and easy-to-open out-let port design provides protection from contamination. •High quality, peel-resistant label provides for convenient writing
- Dual packaging (Individual & Aluminum) eliminates microbial contamination on the surface and maintains the content of anticoagulant
- Sterilized by steam in high pressure can assure products non-pyrogen and toxin-free.
- Tubular film and flat film bags can satisfy different costumers' requests.

Optional Component

Available Anticoagulant CPDA-1/CPD/SAG-M

Needle Protector Anti-needle stick protector prevents accidental needle stick injuries by covering donor needle after removal of venipuncture.

Sampling Port Sampling needle with pre-attached vacuum tube holder facilitates required blood sampling.

Sampling Pouch Sampling pouch is available to collect the first blood flow from the donor in order to prevent from contamination indigenous.

Platelet Storage Bag High quality film suitable for extended storage of viable platelets for approximately 5 days.

DISPOSABLE ARTERIAL VENOUS FISTULA SET

Features



1. Medical grade materials, good biocompatibility.
2. Quality needle for smooth and comfortable treatment.
3. Oval-shaped large back-eye avoids suction to the vessel intima.
4. Color coded wings for clear identification of different gauges.
5. Soft tube with anti-kinking properties.
6. Fixed and rotating wing available for easy operation.
7. Luer-lock connector conforming to ISO 594 standard for safe connection to the bloodline.
8. Color clamp provided (arterial fistula needle-red clamp; venous fistula needle-blue clamp)

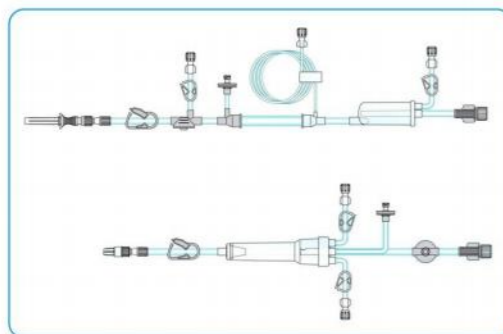
Type	Needle (diameter&length)	Tubing length	Needle color	Wing	Usage	Package
15G	1.8mm*25mm	30cm	Yellow	1. Rotating wings	Adult	1. one piece in single package
16G	1.6mm*25mm	30cm	Green		Adult	
17G	1.4mm*25mm	30cm	Orange	2. Fixed wings	Child	2. Two pieces in single package

DISPOSABLE BLOOD LINE SET

Features



1. Sterile, Single use, Non toxic, Non pyrogen;
2. Transparent PVC tubing;
3. Soft PVC blood drip chamber;
4. Soft silicone pump tubing;
5. Injection sites for intermittent medication;
6. Luer lock priming connector for recirculation;
7. Revolving luer lock connector;
8. Sterilization Method: Ethylene Oxide;
9. Shelf life: 5 years;



Drip chamber capacity	Pump tube OD&ID	Applicable machine
20ml	12.2*8.2mm	Fresenius (small drip chamber) \ Gambro \ B. Braun \ Toray \ Baxter \ Nipro \ JMS \ Nikkiso ect
30ml	9.8*6.7mm	
50ml	8.0*6.0mm	Fresenius (big drip chamber)

DISPOSABLE PLASMA COLLECTION SET

Features



1. Composed of bowl, tubing, plasma bag/bottle and needle(optional)
2. It is pre-assembled, so as to save time and cost, and easy to use.
3. Collect plasma and return blood back to donor with single needle in a fully enclosed system; prevent contamination effectively.
4. It is used together with blood plasma separator to collect plasma and therapeutic plasma exchanging (TPE) in hospitals.

