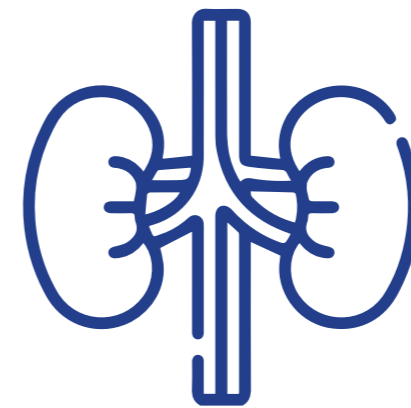


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**Q MEDICAL
INDUSTRIES**



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Q for Plastic Industries:

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Free Zone Factory: 35 Fadan Area- Ismailia Free Zone, Egypt

Scientific Office: 8 El Salamlek st. Garden City, Egypt

Website: www.qmedicalindustries.com

HEMODIALYSIS

Product Catalogue

CE₁₆₃₉
ISO 13485

www.qmedicalindustries.com

Quality in Care



Table of Contents



Access

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AV Fistula Needles

Standard Fistula Needles

- An arteriovenous (AV) fistula needle is a specialized medical device used in hemodialysis procedures. It is designed to access an AV fistula, which is a surgically created connection between an artery and a vein in patients with end-stage renal disease (ESRD). The AV fistula needle is used to puncture the AV fistula, allowing blood to flow from the patient's body into the hemodialysis machine and back.
- During a hemodialysis session, two AV fistula needles are typically inserted into the patient's AV fistula. One needle is connected to the arterial line, which carries blood from the patient to the hemodialysis machine for filtration, while the other needle is connected to the venous line, which returns the filtered blood from the machine back to the patient's body.

Description	Code
V 15 G x 25 x 150	50020111
V 15 G x 25 x 300	50020112
V 16 G x 25 x 150	50020113
V 16 G x 25 x 300	50020114
V 17 G x 25 x 150	50020115
V 17 G x 25 x 300	50020116

*Venous

*Wing: Blue Color ■

Description	Code
A 15 G x 25 x 150	50020121
A 15 G x 25 x 300	50020122
A 16 G x 25 x 150	50020123
A 16 G x 25 x 300	50020124
A 17 G x 25 x 150	50020125
A 17 G x 25 x 300	50020126

*Arterial

*Wing: Red Color ■

Description	Code
A+V 15 G x 25 x 150	50020131
A+V 15 G x 25 x 300	50020132
A+V 16 G x 25 x 150	50020133
A+V 16 G x 25 x 300	50020134
A+V 17 G x 25 x 150	50020135
A+V 17 G x 25 x 300	50020136

* Arterial+Venous

*Wing: Red+Blue Color ■ ■

Advantages of AV Fistula:

- Remains functional longer than other forms of vascular access
- No synthetic material implanted in patient's body
- Provides the necessary blood flow needed for effective dialysis, which may help decrease treatment time
- Low risk of infection
- Created in an outpatient procedure under local anaesthesia
- Fast return to patient's daily activities



Safety Fistula Needles

- Safety Fistula Needle is designed to help protect against needlestick injuries (NSI) and a system with built-in advantages: once locked, stays locked. When activated, the needle's safety mechanism confirms the protector is permanently locked in place with an audible and tactile.



Description	Code
V 15 G x 25 x 150	50020111
V 15 G x 25 x 300	50020112
V 16 G x 25 x 150	50020113
V 16 G x 25 x 300	50020114
V 17 G x 25 x 150	50020115
V 17 G x 25 x 300	50020116

*Venous

*Wing: Blue Color 

Description	Code
A 15 G x 25 x 150	50020121
A 15 G x 25 x 300	50020122
A 16 G x 25 x 150	50020123
A 16 G x 25 x 300	50020124
A 17 G x 25 x 150	50020125
A 17 G x 25 x 300	50020126

*Arterial

*Wing: Red Color 

Description	Code
A+V 15 G x 25 x 150	50020131
A+V 15 G x 25 x 300	50020132
A+V 16 G x 25 x 150	50020133
A+V 16 G x 25 x 300	50020134
A+V 17 G x 25 x 150	50020135
A+V 17 G x 25 x 300	50020136

* Arterial+Venous

*Wing: Red+Blue Color 

Benefits of Safety Fistula Needle:

- **Built-in safety advantage:** a permanent locking feature eliminates the worry of accidental needlesticks.
- **Needle retracts into the safety guard.**
- **Textured wings provide a secure grip,** making it easier to cannulate.

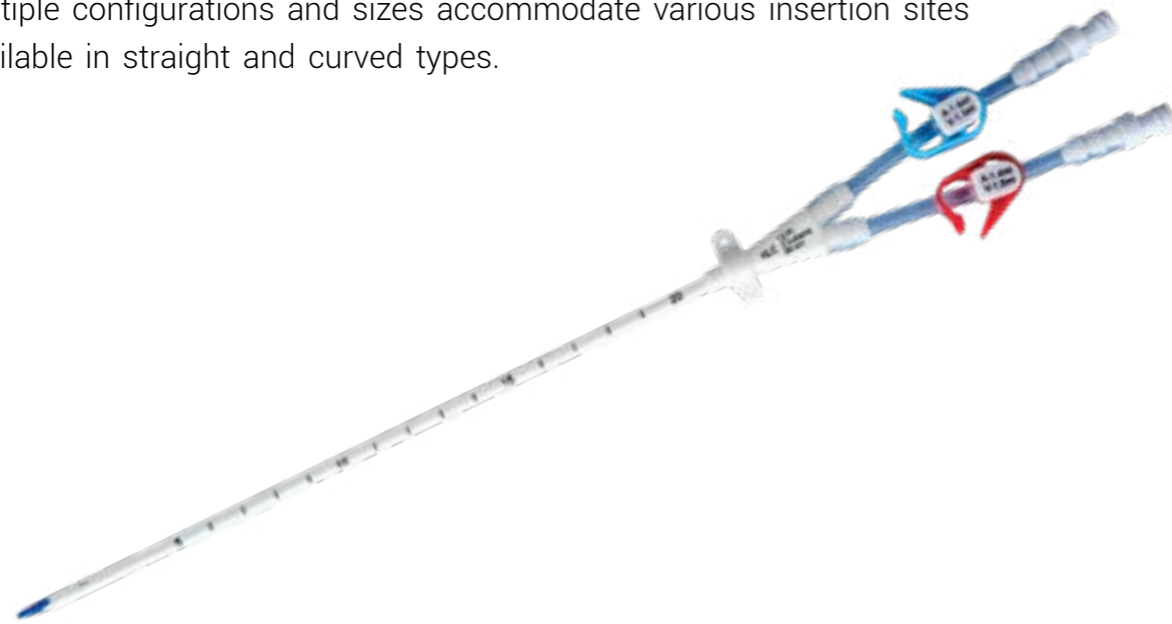


Dialysis Catheters

Standard Dialysis

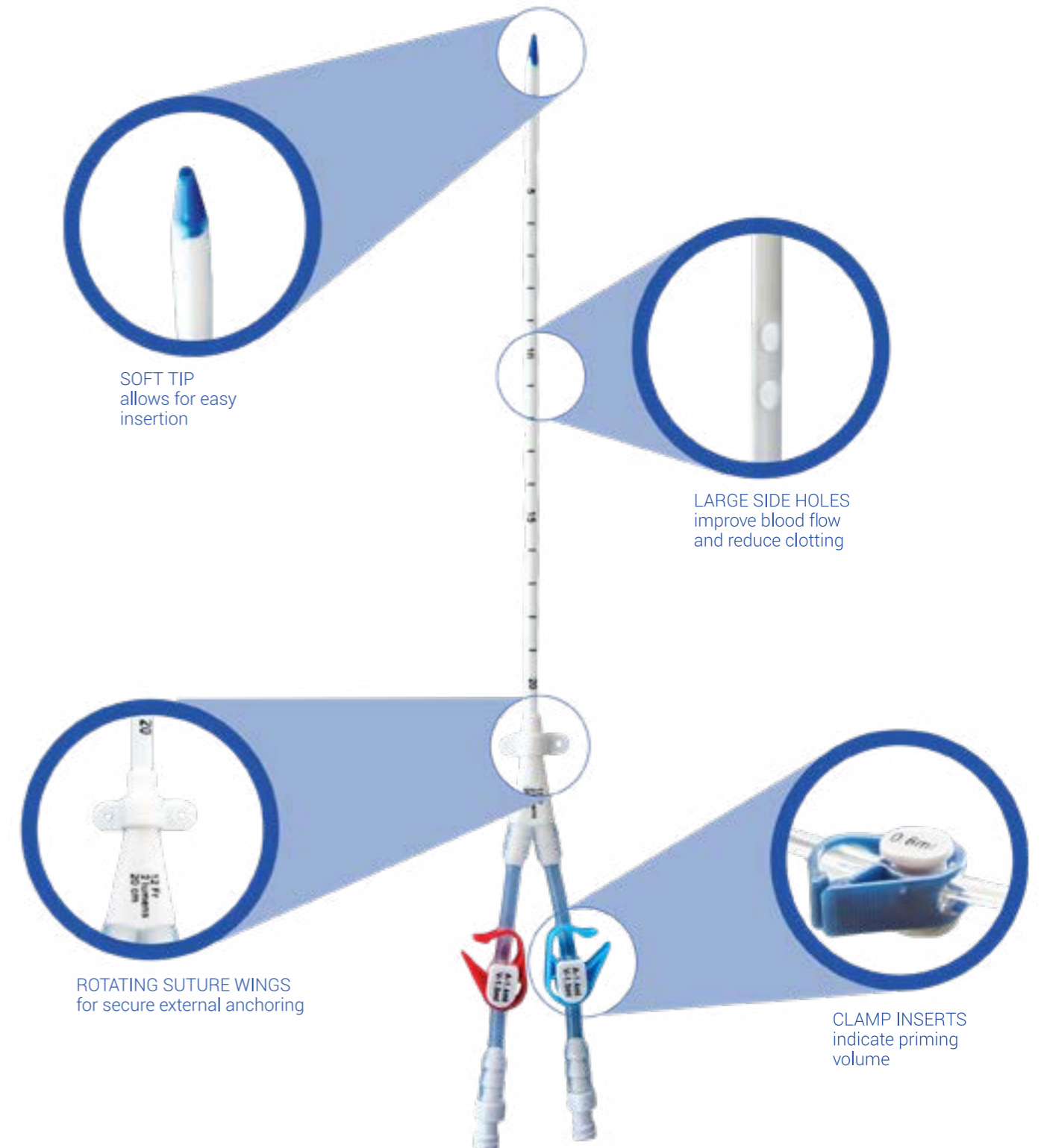
Features:

- Flexible polyurethane material facilitates ease of insertion yet softens at body temperature.
- Radiopaque for quick visualization.
- Multiple sizes for various patients' need.
- Ideal for extracorporeal therapies: Dialysis, Hemofiltration and Apheresis.
- Soft and flexible extension tubes to ensure soft patient comfort & shock absorbance.
- Soft tip perfectly tapered to ensure smooth insertion.
- Integrated light weight clamp to ensure soft and rapid clamping in emergency cases.
- Tapered female luer for easy secure connection of all bloodlines.
- Long tip tapered tissue dilators to ensure minimum trauma and easy access.
- Multiple configurations and sizes accommodate various insertion sites
- Available in straight and curved types.



Type	Description
S	Introducer Needle Straight
Y	Introducer Needle Y
Safety	Needle Safety with Cover

*NOTE: Other Varieties (Type Y - Safety S - Safety Y) are available upon request



Double Lumen

KIT Includes:

1. Injection Cap: X2
2. Syringe: 5ml
3. Dilator: 7F X 10cm
4. Scalpel: X1



Straight Extension Tube

Code	Catheter		Introducer Needle		Nitinol Guide Wire	
	Size (Fr)	Length (cm)	Type	Gauge	Length (cm)	Φ (inch)
50300111	6.5	5	s	20	50	0.021
50300112	6.5	8	s	20	50	0.021
50300113	6.5	10	s	20	50	0.021
50300114	6.5	13	s	20	50	0.021
50300115	6.5	16	s	20	50	0.021
50300116	6.5	20	s	20	60	0.021



Curved Extension Tube

Code	Catheter		Introducer Needle		Nitinol Guide Wire	
	Size (Fr)	Length (cm)	Type	Gauge	Length (cm)	Φ (inch)
50301111	6.5	5	s	20	50	0.021
50301112	6.5	8	s	20	50	0.021
50301113	6.5	10	s	20	50	0.021
50301114	6.5	13	s	20	50	0.021
50301115	6.5	16	s	20	50	0.021
50301116	6.5	20	s	20	60	0.021



KIT Includes:

1. Injection Cap: X2
2. Syringe: 5ml
3. Dilator: 9F X 10cm
4. Scalpel: X1



Straight Extension Tube

Code	Catheter		Introducer Needle		Nitinol Guide Wire	
	Size (Fr)	Length (cm)	Type	Gauge	Length (cm)	Φ (inch)
50300121	8.5	5	s	20	50	0.025
50300122	8.5	8	s	20	50	0.025
50300123	8.5	10	s	20	50	0.025
50300124	8.5	13	s	20	50	0.025
50300125	8.5	16	s	20	50	0.025
50300126	8.5	20	s	20	60	0.025



Curved Extension Tube

Code	Catheter		Introducer Needle		Nitinol Guide Wire	
	Size (Fr)	Length (cm)	Type	Gauge	Length (cm)	Φ (inch)
50301121	8.5	5	s	20	50	0.025
50301122	8.5	8	s	20	50	0.025
50301123	8.5	10	s	20	50	0.025
50301124	8.5	13	s	20	50	0.025
50301125	8.5	16	s	20	50	0.025
50301126	8.5	20	s	20	60	0.025



KIT Includes:

1. Injection Cap: X2
2. Syringe: 5ml
3. Dilator: 9F X 10cm - 10F X 15cm
4. Scalpel: X1



Straight Extension Tube

Code	Catheter		Introducer Needle		Nitinol Guide Wire	
	Size (Fr)	Length (cm)	Type	Gauge	Length (cm)	Φ (inch)
50300133	10	10	s	18	50	0.038
50300134	10	13	s	18	50	0.038
50300135	10	15	s	18	50	0.038
50300136	10	16	s	18	50	0.038
50300138	10	20	s	18	60	0.038



Curved Extension Tube

Code	Catheter		Introducer Needle		Nitinol Guide Wire	
	Size (Fr)	Length (cm)	Type	Gauge	Length (cm)	Φ (inch)
50301133	10	10	s	18	50	0.038
50301134	10	13	s	18	50	0.038
50301135	10	15	s	18	50	0.038
50301136	10	16	s	18	50	0.038
50301138	10	20	s	18	60	0.038



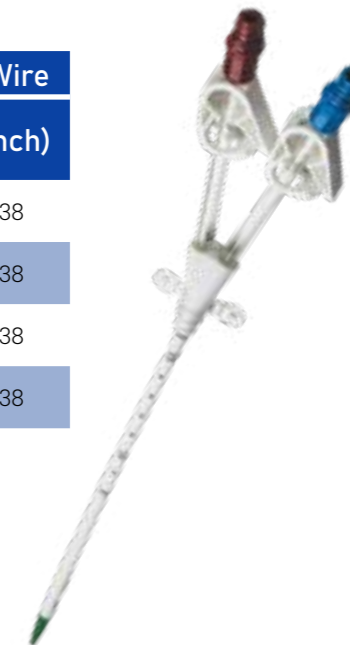
KIT Includes:

1. Injection Cap: X2
2. Syringe: 5ml
3. Dilator: 12F X 15cm - 10F X 15cm
4. Scalpel: X1



Straight Extension Tube

Code	Catheter		Introducer Needle		Nitinol Guide Wire	
	Size (Fr)	Length (cm)	Type	Gauge	Length (cm)	Φ (inch)
50300144	11.5	13	s	18	50	0.038
50300145	11.5	16	s	18	50	0.038
50300146	11.5	20	s	18	60	0.038
50300147	11.5	25	s	18	60	0.038



Curved Extension Tube

Code	Catheter		Introducer Needle		Nitinol Guide Wire	
	Size (Fr)	Length (cm)	Type	Gauge	Length (cm)	Φ (inch)
50301144	11.5	13	s	18	50	0.038
50301145	11.5	16	s	18	50	0.038
50301146	11.5	20	s	18	60	0.038
50301147	11.5	25	s	18	60	0.038



KIT Includes:

1. Injection Cap: X2
2. Syringe: 5ml
3. Dilator: 12F X 15cm - 10F X 15cm
4. Scalpel: X1

**Straight Extension Tube**

Code	Catheter		Introducer Needle		Nitinol Guide Wire	
	Size (Fr)	Length (cm)	Type	Gauge	Length (cm)	Φ (inch)
50300154	12	13	s	18	50	0.038
50300155	12	16	s	18	50	0.038
50300156	12	20	s	18	60	0.038

**Curved Extension Tube**

Code	Catheter		Introducer Needle		Nitinol Guide Wire	
	Size (Fr)	Length (cm)	Type	Gauge	Length (cm)	Φ (inch)
50301154	12	13	s	18	50	0.038
50301155	12	16	s	18	50	0.038
50301156	12	20	s	18	60	0.038



Hemodialysis

KIT Includes:

1. Injection Cap: X2
2. Syringe: 5ml
3. Dilator: 12F X 15cm - 14F X 15cm
4. Scalpel: X1

**Straight Extension Tube**

Code	Catheter		Introducer Needle		Nitinol Guide Wire	
	Size (Fr)	Length (cm)	Type	Gauge	Length (cm)	Φ (inch)
50300164	14	13	s	18	50	0.038
50300165	14	16	s	18	60	0.038
50300166	14	20	s	18	70	0.038

**Curved Extension Tube**

Code	Catheter		Introducer Needle		Nitinol Guide Wire	
	Size (Fr)	Length (cm)	Type	Gauge	Length (cm)	Φ (inch)
50301164	14	13	s	18	50	0.038
50301165	14	16	s	18	60	0.038
50301166	14	20	s	18	70	0.038



Quality In Care

Triple Lumen

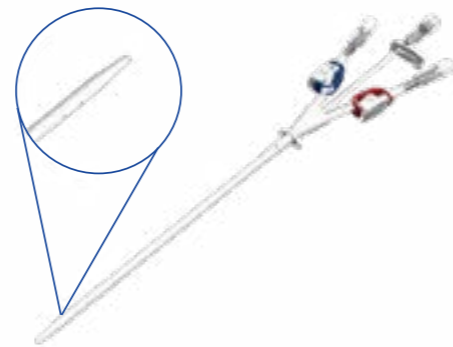
KIT Includes:

1. Injection Cap: X3
2. Syringe: 5ml
3. Dilator: 12F X 15cm - 10F X 15cm
4. Scalpel: X1



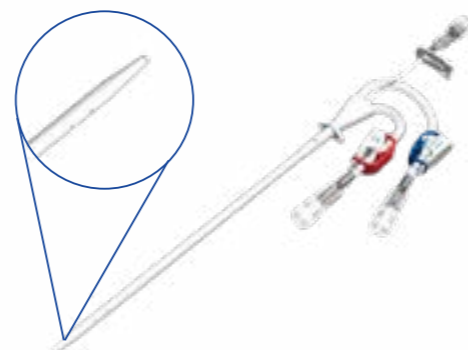
Straight Extension Tube

Code	Catheter		Introducer Needle		Nitinol Guide Wire	
	Size (Fr)	Length (cm)	Type	Gauge	Length (cm)	Φ (inch)
50302154	12	13	s	18	50	0.038
50302155	12	16	s	18	50	0.038
50302156	12	20	s	18	60	0.038



Curved Extension Tube

Code	Catheter		Introducer Needle		Nitinol Guide Wire	
	Size (Fr)	Length (cm)	Type	Gauge	Length (cm)	Φ (inch)
50303154	12	13	s	18	50	0.038
50303155	12	16	s	18	50	0.038
50303156	12	20	s	18	60	0.038



Dialysis Pre-Curved Catheter

A pre-curved catheter is designed with a curved shape that helps with the insertion process and ensures proper placement within the vein. The curvature of the catheter makes it easier for the healthcare provider to navigate the blood vessels and position the catheter correctly.

The use of a pre-curved catheter can provide several benefits, including:

1. **Improved Insertion Accuracy:** The pre-curved shape helps guide the catheter through the blood vessels, reducing the risk of complications or improper placement.
2. **Decreased Procedure Time:** The pre-curved catheter saving time during the procedure.
3. **Enhanced Patient Comfort:** The curved design reduces discomfort for the patient by minimizing friction and pressure on the blood vessel walls.



*NOTE: Other Varieties (Type Y - Safety S - Safety Y) are available upon request

Double Lumen

KIT Includes:

1. Injection Cap: X2
2. Syringe: 5ml
3. Dilator: 12F X 15cm - 10F X 15cm
4. Scalpel: X1



Straight Extension Tube

Code	Catheter		Introducer Needle		Nitinol Guide Wire	
	Size (Fr)	Length (cm)	Type	Gauge	Length (cm)	Φ (inch)
50320144	11.5	13	s	18	50	0.038
50320145	11.5	16	s	18	50	0.038
50320146	11.5	20	s	18	60	0.038
50320147	11.5	25	s	18	60	0.038

Code	Catheter		Introducer Needle		Nitinol Guide Wire	
	Size (Fr)	Length (cm)	Type	Gauge	Length (cm)	Φ (inch)
50300154	12	13	s	18	50	0.038
50300155	12	16	s	18	50	0.038
50300156	12	20	s	18	60	0.038



KIT Includes:

1. Injection Cap: X2
2. Syringe: 5ml
3. Dilator: 12F X 15cm - 14F X 15cm
4. Scalpel: X1



Straight Extension Tube

Code	Catheter		Introducer Needle		Nitinol Guide Wire	
	Size (Fr)	Length (cm)	Type	Gauge	Length (cm)	Φ (inch)
50300164	14	13	s	18	50	0.038
50300165	14	16	s	18	60	0.038
50300166	14	20	s	18	70	0.038

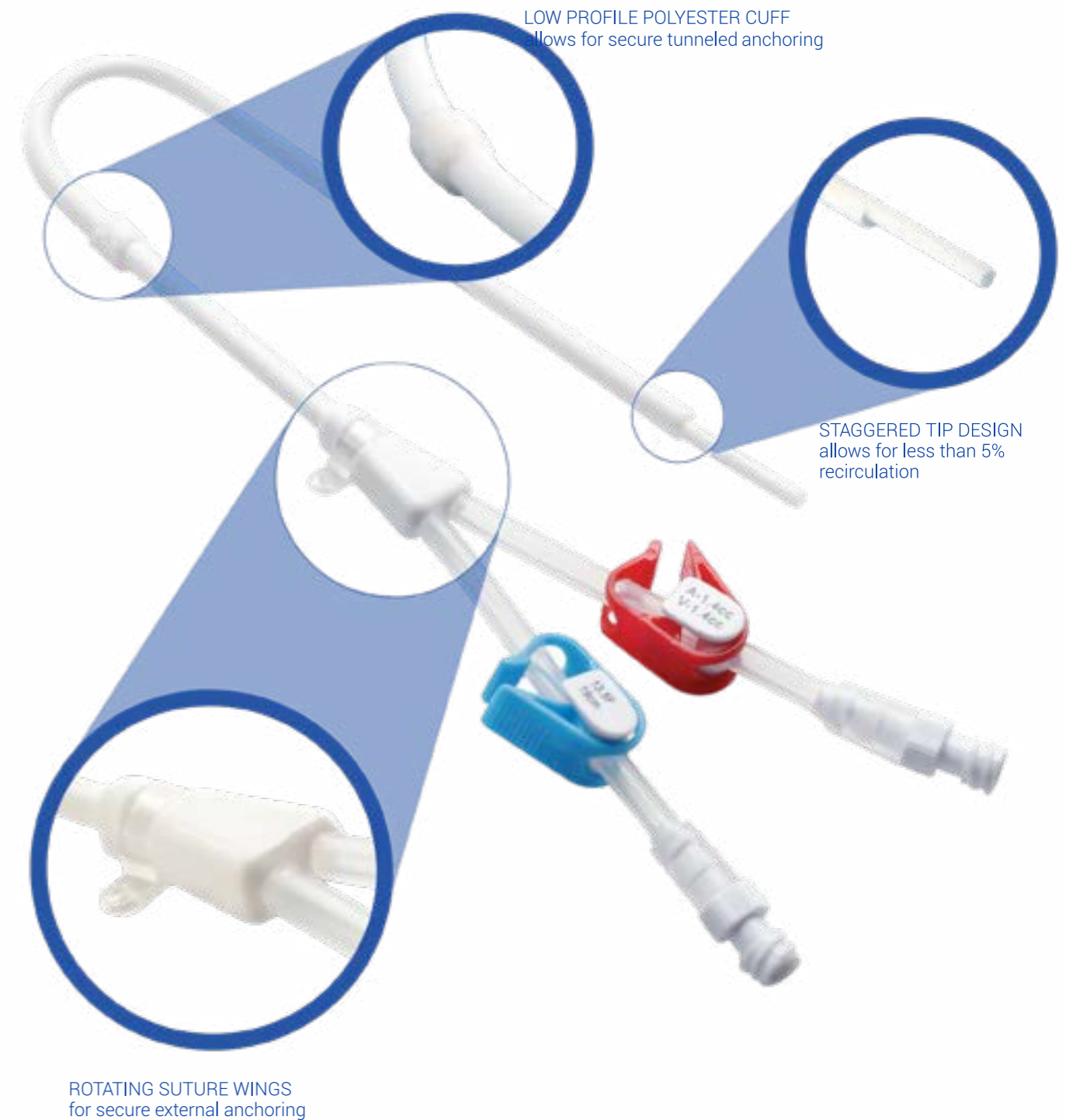


Long Term Dialysis

A standard dialysis catheter, also known as a tunneled catheter or a central venous catheter, is a type of catheter used for long-term dialysis access in patients with kidney failure. It is inserted into a large vein, typically in the neck or chest area, and remains in place for an extended period.

Features:

- Dual lumen
- Kink-resistant catheter design
- Catheter available in different lengths
- Available in Straight or curved extension tube



*NOTE: Other Varieties (Type Y - Safety S - Safety Y) are available upon request

Double Lumen

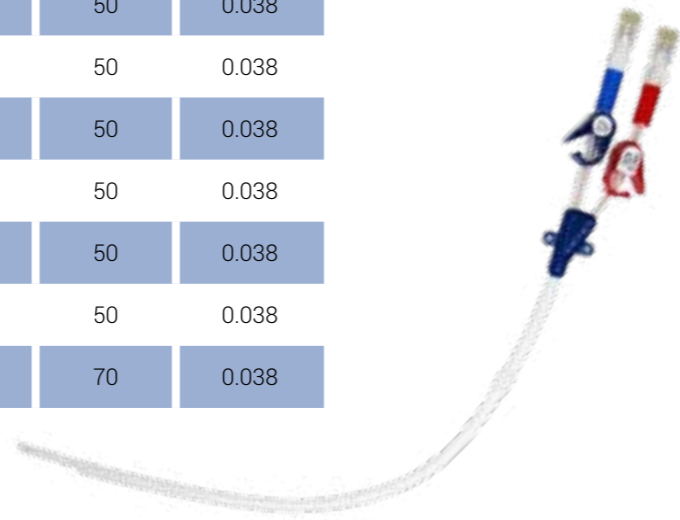
KIT Includes:

1. Injection Cap: X2
2. Syringe: 5ml
3. Dilator: 10F X 15cm - 12F X 15cm
4. Scalpel: X1
5. Valved Peelable Sheath: X1
6. Tunneler: X1



Straight Extension Tube

Code	Catheter		Introducer Needle		Nitinol Guide Wire	
	Size (Fr)	Length (cm)	Type	Gauge	Length (cm)	Φ (inch)
50340371	12	13	s	20	50	0.038
50340372	15	19	s	18	50	0.038
50340373	15	23	s	18	50	0.038
50340374	15	28	s	18	50	0.038
50340375	15	31	s	18	50	0.038
50340376	15	33	s	18	50	0.038
50340377	15	35	s	18	50	0.038
50340378	15	50	s	18	70	0.038



Curved Extension Tube

Code	Catheter		Introducer Needle		Nitinol Guide Wire	
	Size (Fr)	Length (cm)	Type	Gauge	Length (cm)	Φ (inch)
50341371	12	13	s	20	50	0.038
50341372	15	19	s	18	50	0.038
50341373	15	23	s	18	50	0.038
50341374	15	28	s	18	50	0.038
50341375	15	31	s	18	50	0.038
50341376	15	33	s	18	50	0.038
50341377	15	35	s	18	50	0.038
50341378	15	50	s	18	70	0.038





Filtration

-
-

Dialyzer

Polyethersulfone(PES)

Model			QMI-HD13L	QMI-HD15L	QMI-HD16L	QMI-HD17L	QMI-HD18L	QMI-HD19L	QMI-HD20L	QMI-HD21L	QMI-HD23L	QMI-HD25L
Ultrafiltration Coefficient			39	48	57	60	63	64	67	69	73	77
Surface Area(m ²)			1.3	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.3	2.5
Chamber volume			84	90	95	101	106	112	120	126	136	146
Clearances (ml/min)			Test Conditions: T=37°C, QF=10ml/min, In Vitro Simulation Experiment									
Solute	QB	QD	(ml/min)									
Urea	200	500	180	184	186	188	190	192	195	196	200	205
	300	500	259	264	267	270	274	277	280	283	289	295
	400	500	292	305	312	318	325	332	340	348	358	364
	200	800	182	187	190	192	194	196	198	200	202	208
	300	800	265	271	274	277	280	283	286	289	295	297
	400	800	295	315	325	332	338	344	350	356	366	374
Creatinine	200	500	164	168	170	173	175	178	180	182	186	190
	300	500	239	243	245	248	250	252	255	258	264	270
	400	500	259	265	268	271	274	277	280	283	289	295
	200	800	165	171	174	177	180	183	186	189	195	201
	300	800	244	248	250	253	256	258	260	262	266	270
	400	800	260	270	275	273	280	283	286	289	295	301
Phosphate	200	500	164	172	176	179	182	185	188	191	197	203
	300	500	244	248	250	253	256	259	262	265	271	277
	400	500	284	290	293	296	298	300	304	308	316	324
	200	800	168	176	180	183	186	189	192	195	201	207
	300	800	247	253	256	259	262	265	268	271	277	283
	400	800	294	298	300	303	305	307	310	313	319	325
Vitamin B ₁₂	200	500	129	135	138	140	142	144	147	150	156	162
	300	500	159	165	168	171	173	175	178	181	187	193
	400	500	168	176	180	185	188	192	196	200	208	216
	200	800	133	139	142	145	147	149	152	155	161	167
	300	800	165	171	174	177	180	182	186	190	198	206
	400	800	170	182	188	192	196	200	204	208	216	224
β ₂ -MG	200	500	52	60	64	67	70	73	76	78	82	86



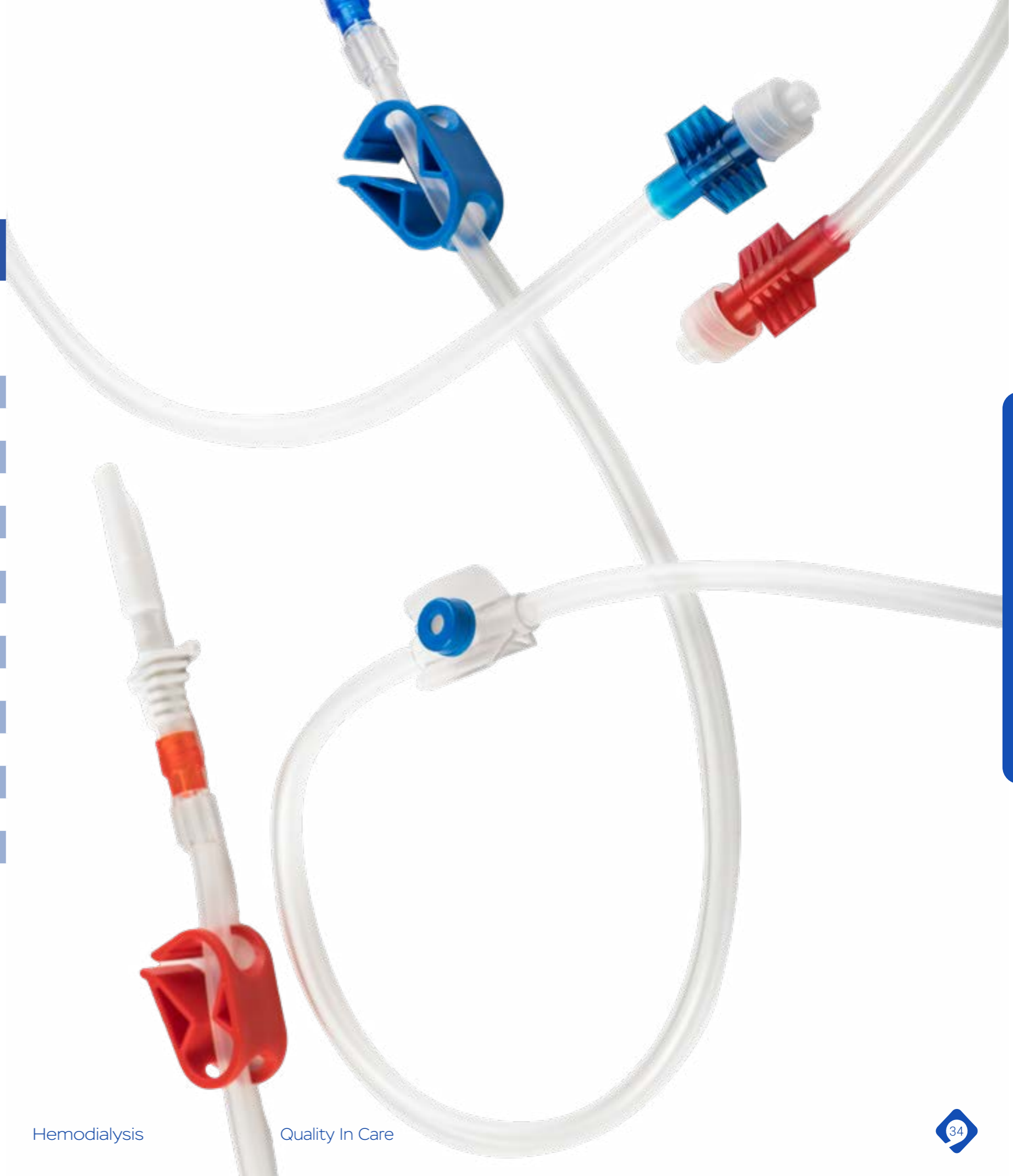
Polyethersulfone(PES)

Model			QMI-LD13L	QMI-LD14L	QMI-LD15L	QMI-LD16L	QMI-LD17L	QMI-LD18L	QMI-LD19L	QMI-LD20L	QMI-LD21L	QMI-LD23L
Ultrafiltration Coefficient			12	13	13	14	16	17	21	24	25	28
Surface Area(m ²)			1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.3
Chamber volume			80	85	90	95	101	106	112	118	123	145
Clearances (ml/min)			Test conditions:T=37°C, QF=10ml/min, In Vitro Simulation Experiment									
Solute	QB	QD										
Urea	200	500	178	180	182	185	187	190	192	194	195	205
	300	500	227	230	233	235	238	242	246	250	254	295
	400	500	266	270	274	278	284	290	295	300	305	364
	200	800	183	185	187	189	191	193	195	197	199	208
	300	800	250	255	259	263	266	269	272	275	278	297
	400	800	281	290	298	305	313	322	326	330	334	374
Creatinine	200	500	168	170	172	175	178	182	185	188	191	190
	300	500	211	215	218	220	223	227	231	235	239	270
	400	500	243	247	251	255	260	265	270	275	280	295
	200	800	178	180	182	184	186	188	190	192	194	201
	300	800	234	238	242	245	247	250	255	260	265	270
	400	800	270	275	280	285	290	295	297	300	303	301
Phosphate	200	500	151	155	158	160	164	168	170	172	174	203
	300	500	181	185	188	191	195	200	205	210	215	277
	400	500	205	210	215	220	222	225	232	240	248	324
	200	800	156	160	164	167	169	171	173	175	177	207
	300	800	185	190	195	200	203	207	211	215	219	283
	400	800	220	225	230	235	238	242	246	250	254	325
Vitamin B ₁₂	200	500	100	103	106	108	114	120	125	130	135	162
	300	500	109	113	116	118	124	130	135	140	145	193
	400	500	122	125	128	130	140	150	155	160	165	216
	200	800	108	112	116	120	122	125	130	135	140	167
	300	800	121	125	128	130	138	145	150	155	160	206
	400	800	136	140	143	145	152	160	165	170	175	224



BloodLines

Code	Pump Segment (ID x OD x L) MM	Chamber OD mm	Machine
50010000	8 X 12 X 360	22	Fresenius 4008B Toray TQS-88 Nipro NCU-18 Gambro(except AK98) Nikkiso DBB-07/DBB-27C B.Braun Dialog+(single pump)
50010001	8 X 12 X 330	22	B.Braun Dialog+
50010002	8 X 12 X 330	22	B.Braun Dialog+
50010003	8 X 12 X 330	22	B.Braun Dialog+
50010004	8 X 12 X 330	22	B.Braun Dialog+
50010005	9.5 x 6.35 x 380	21	Universal\Fresenius
50010006	9.5 x 6.35 x 380	21	Universal\Fresenius
50010007	9.5 x 6.35 x 380	26	Universal\Fresenius
50010008	12 x 8.85 x 380	26	Universal\Fresenius
50010009	12 x 8.85 x 380	26	Universal\Fresenius
50010010	12 x 8.85 x 380	21	Gambro
50010011	12 x 8.85 x 380	21	Gambro
50010012	12 x 8.85 x 380	21	Gambro
50010013	12 x 8.85 x 380	21	Gambro
50010014	12 x 8.85 x 380	26	B.Braun
50010015	13 x 8.85 x 380	26	B.Braun





Site Care

On & Off Kit

An on and off kit for hemodialysis is a sterile set of supplies used to start and stop a hemodialysis treatment. It includes all of the items needed to access the vascular access and connect the patient to the dialysis machine.

Kit Uses:

- Clean the vascular access site
- Apply a tourniquet
- Insert the needles into the vascular access site
- Connect the needles to the dialysis machine
- Flush the line with saline
- Remove the tourniquet
- Dress the vascular access site



The on and off kit is important for ensuring a safe and effective hemodialysis treatment. It helps to prevent infection and other complications.

Kit Components:

1. **Gauze Sponges:** Used to clean and absorb blood at the vascular access site.
2. **Cotton Balls:** Used to apply antiseptic solution to the vascular access site.
3. **Antiseptic Solution:** Used to kill bacteria on the skin and prevent infection.
4. **Sterile Gloves:** Worn to protect the patient from infection.
5. **Tourniquet:** Used to temporarily restrict blood flow to the vascular access site to make it easier to insert the needle.
6. **Needles:** Used to access the vascular access site and connect the patient to the dialysis machine.
7. **Syringes:** Used to flush the dialysis line with saline and to administer heparin, a blood thinner.
8. **Needle Holders:** Used to grip and guide the needle during insertion.
9. **Heparin Lock Caps:** Placed on the ends of the dialysis needles to prevent blood clots from forming.
10. **Saline Flushes:** Used to flush the dialysis line with saline before and after each treatment.
11. **Dressings:** Used to cover the vascular access site and protect it from infection

On Pack (Pre Dialysis)

Content List	Photos
Pack of Swab Sticks	
Tray	
Pair of Latex Gloves	
Waste bag	
10 ml Syringe	
Forceps	
Adhesive Tape	
Gauze Swap	
20 ml Syringe Luer Lock	
Waterproof Drape	

Off Pack (Post Dialysis)

Content List	Photos
Waterproof Drape	
Pair of Latex Gloves	
10 ml Syringe Luer Lock	
Adhesive Dressing	
Gauze Swap	





**THANK YOU
FOR WATCHING**