

Puncture needles

- Y-type needles and straight needles are available, and both are equipped with a check valve, reduce the possibility of bleeding and air entering the blood vessels.
- The thin needle reduces puncture resistance and damage.



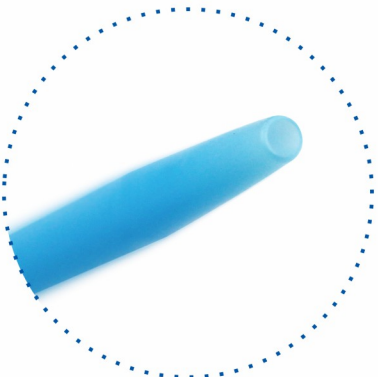
Butterfly clip

- The unique inner buckle structure design makes the clip and catheter fit more closely, reduces the the occurrence of butterfly clip loosening and catheter repalcement, relieve patients’ pain and medical care troubles.



Dilator

- It is made of HDPE material, smooth and round, low expansion resistance, moderate hardness and toughness, and more convenient to operate.

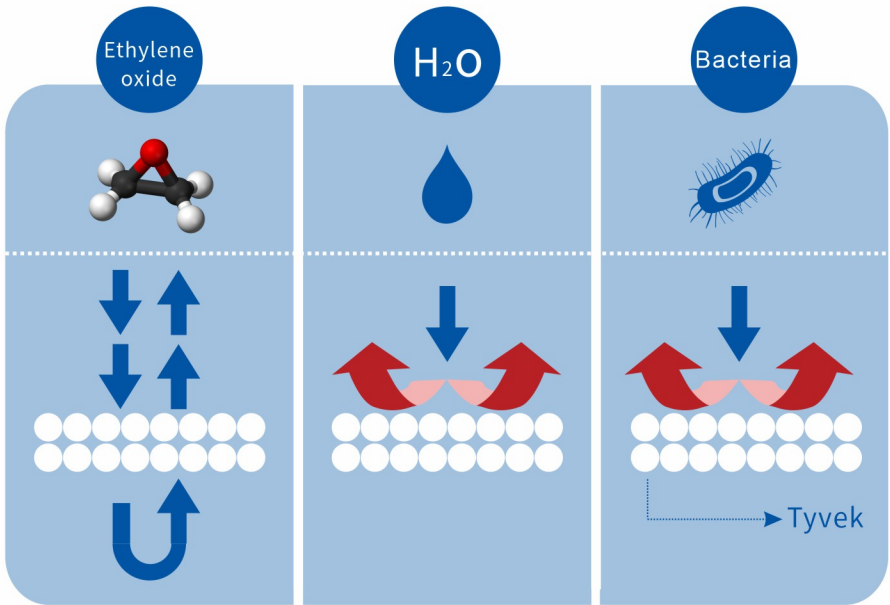


Outer packaging

The outer packaging adopts

**PET tray+Tyvek dialysis paper heat-sealed packaging,**

good antibacterial effect, high air permeability, lower ethylene residue, and more environmentally friendly.



Product specifications:

Single lumen:

| Catheter OD | Catheter length(cm) | Cat. No   |
|-------------|---------------------|-----------|
| 22Ga        | 8                   | CVMY12208 |
|             | 13                  | CVMY12213 |
|             | 16                  | CVMY12216 |
| 20Ga        | 20                  | CVMY12220 |
|             | 13                  | CVMY12013 |
|             | 16                  | CVMY12016 |
| 18Ga        | 20                  | CVMY12020 |
|             | 13                  | CVMY11813 |
|             | 16                  | CVMY11816 |
| 16Ga        | 20                  | CVMY11820 |
|             | 16                  | CVMY11616 |
|             | 20                  | CVMY11620 |
| 14Ga        | 30                  | CVMY11630 |
|             | 16                  | CVMY11416 |
|             | 20                  | CVMY11420 |
| 12Ga        | 30                  | CVMY11430 |
|             | 16                  | CVMY11216 |
|             | 20                  | CVMY11220 |
|             | 30                  | CVMY11230 |

Triple lumen:

| Catheter OD | Catheter length(cm) | Cat. No   |
|-------------|---------------------|-----------|
| 4Fr         | 13                  | CVMY34013 |
|             | 16                  | CVMY34016 |
|             | 20                  | CVMY34020 |
| 5.5Fr       | 13                  | CVMY35513 |
|             | 16                  | CVMY35516 |
|             | 20                  | CVMY35520 |
| 7Fr         | 16                  | CVMY37016 |
|             | 20                  | CVMY37020 |
|             | 30                  | CVMY37030 |
| 8.5Fr       | 16                  | CVMY38516 |
|             | 20                  | CVMY38520 |
|             | 30                  | CVMY38530 |

Double lumen:

| Catheter OD | Catheter length(cm) | Cat. No   |
|-------------|---------------------|-----------|
| 4Fr         | 13                  | CVMY24013 |
|             | 16                  | CVMY24016 |
|             | 20                  | CVMY24020 |
| 5Fr         | 13                  | CVMY25013 |
|             | 16                  | CVMY25016 |
|             | 20                  | CVMY25020 |
| 6Fr         | 13                  | CVMY26013 |
|             | 16                  | CVMY26016 |
|             | 20                  | CVMY26020 |
| 7Fr         | 16                  | CVMY27016 |
|             | 20                  | CVMY27020 |
|             | 30                  | CVMY27030 |
| 8Fr         | 16                  | CVMY28016 |
|             | 20                  | CVMY28020 |
|             | 30                  | CVMY28030 |

Quadruple lumen:

| Catheter OD | Catheter length(cm) | Cat. No   |
|-------------|---------------------|-----------|
| 8.5Fr       | 20                  | CVMY48520 |

TUORen

Central Venous Catheter Kit



Tel: 0086 373 8605444;  
Email: info@bjtuoren.com; info@etuoren.com  
Tuoren Industrial Zone, Changyuan, Henan Province, China

TUORen

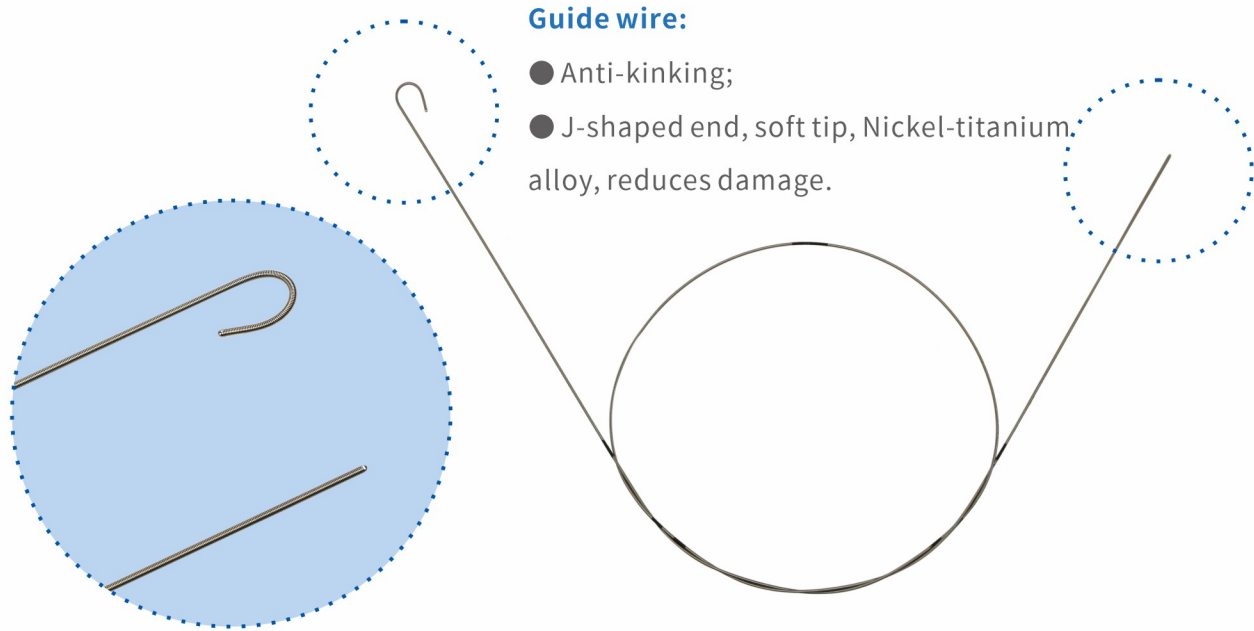
www.tuoren.com

**Application Department:**

● Anesthesia Department, Emergency Department, ICU, Surgical Department

**Application:**

● Establish fast infusion channels for patients who need large -dose infusion, high-dose blood transfusion, hypertonic or irritating drugs(such as tumor chemotherapy) ; contraindicated drugs infusion; sampling blood; measurement of central venous pressure; IPN patients.



**Guide wire:**

- Anti-kinking;
- J-shaped end, soft tip, Nickel-titanium alloy, reduces damage.



**Scalpel:**

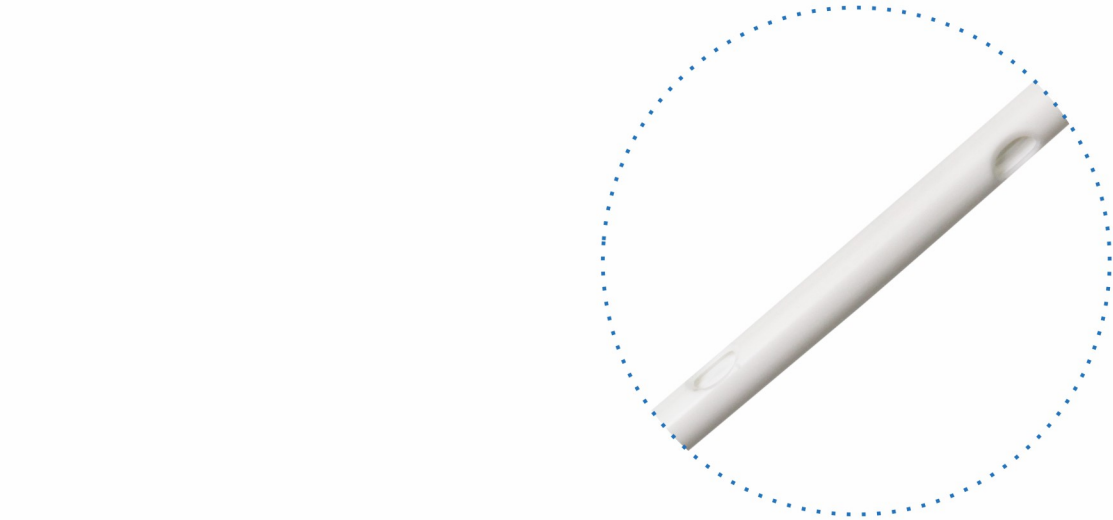
- Humanized design with sliding protective cap, anti-damage to the medical staff.



**Threaded syringe:**

- anti-slip, anti-leakage, solving the clinical problem of puncture needle and syringe falling off.

# Central Venous Catheter Kit



**Side holes of catheter tip:**

- The side holes of multi-lumen catheter are on different directions, which suitable for a variety of drugs, and avoid contraindications to drug compatibility.



**Blue tip:**

- Soft and reduces the risk of damage to the blood vessel wall.

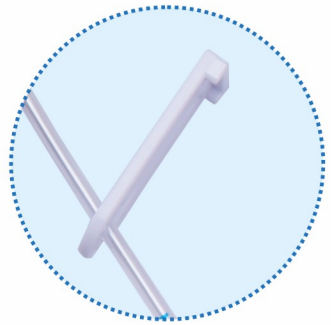
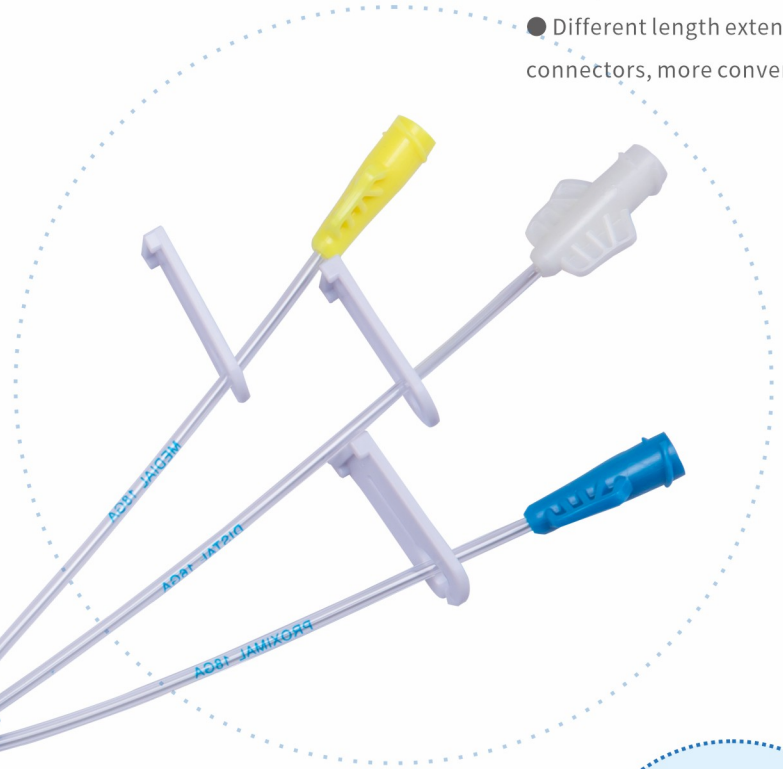


**Catheter:**

- Adopting top quality TPU material with good biocompatibility, reducing the infection rate;
- It automatically softens to adapt to the human body temperature after placing the catheter;
- The inner and outer walls are smooth, which reduces thrombosis and catheter placement resistance;
- Visualized under X-ray, accurate positioning.

**Luer connector:**

- Unique Luer connector design, anti-split and safer;
- Different length extension tubes with different color connectors, more convenient for identification.

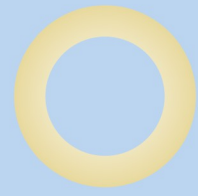


**Extension tube:**

- Transparent tube body makes it easy to observe, soft and elastic, anti-kinking, safer for clinical application.

**Length**

- L: 8、13、16、20、30cm



O.D.14G/16G/18G/20G



5F(18Ga/20Ga)  
7F(14Ga/18Ga)



5.5F (18Ga/20Ga)  
7F (14Ga/18Ga)

| REF       | Type specifications | Specification           |             |            |                   |         |          |                    |          |                         |                   |         |                    |
|-----------|---------------------|-------------------------|-------------|------------|-------------------|---------|----------|--------------------|----------|-------------------------|-------------------|---------|--------------------|
|           |                     | Central Venous Catheter | Guide wire  | Dilator    | Introducer Needle |         | Fastener | Hypodermic Syringe |          | Blue introducer syringe | Hypodermic Needle | Scalpel | Injection site cap |
|           |                     |                         |             |            | Y Model           | I Model |          | I Model            | II Model |                         |                   |         |                    |
| ICVM11813 | 1-18Ga-13cm-I       | 1-18Ga-13cm             | 0.021"*60cm | 5.5Fr*6cm  | -                 | 20Ga    | 18Ga     | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |
| CVMY11816 | 1-18Ga-16cm-Y       | 1-18Ga-16cm             | 0.021"*60cm | 5.5Fr*6cm  | 20Ga              | -       | 18Ga     | 5mL                | 5mL      | -                       | 0.7mm             | 11#     | Regular            |
| ICVM11816 | 1-18Ga-16cm-I       | 1-18Ga-16cm             | 0.021"*60cm | 5.5Fr*6cm  | -                 | 20Ga    | 18Ga     | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |
| CVMY11820 | 1-18Ga-20cm-Y       | 1-18Ga-20cm             | 0.021"*60cm | 5.5Fr*6cm  | 20Ga              | -       | 18Ga     | 5mL                | 5mL      | -                       | 0.7mm             | 11#     | Regular            |
| ICVM11820 | 1-18Ga-20cm-I       | 1-18Ga-20cm             | 0.021"*60cm | 5.5Fr*6cm  | -                 | 20Ga    | 18Ga     | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |
| CVMY11616 | 1-16Ga-16cm-Y       | 1-16Ga-16cm             | 0.035"*60cm | 6.5Fr*10cm | 18Ga              | -       | 16Ga     | 5mL                | 5mL      | -                       | 0.7mm             | 11#     | Regular            |
| ICVM11616 | 1-16Ga-16cm-I       | 1-16Ga-16cm             | 0.035"*60cm | 6.5Fr*10cm | -                 | 18Ga    | 16Ga     | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |
| CVMY11620 | 1-16Ga-20cm-Y       | 1-16Ga-20cm             | 0.035"*60cm | 6.5Fr*10cm | 18Ga              | -       | 16Ga     | 5mL                | 5mL      | -                       | 0.7mm             | 11#     | Regular            |
| ICVM11620 | 1-16Ga-20cm-I       | 1-16Ga-20cm             | 0.035"*60cm | 6.5Fr*10cm | -                 | 18Ga    | 16Ga     | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |
| CVMY11630 | 1-16Ga-30cm-Y       | 1-16Ga-30cm             | 0.035"*60cm | 6.5Fr*10cm | 18Ga              | -       | 16Ga     | 5mL                | 5mL      | -                       | 0.7mm             | 11#     | Regular            |
| ICVM11630 | 1-16Ga-30cm-I       | 1-16Ga-30cm             | 0.035"*60cm | 6.5Fr*10cm | -                 | 18Ga    | 16Ga     | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |
| CVMY11416 | 1-14Ga-16cm-Y       | 1-14Ga-16cm             | 0.035"*60cm | 8Fr*10cm   | 18Ga              | -       | 14Ga     | 5mL                | 5mL      | -                       | 0.7mm             | 11#     | Regular            |
| ICVM11416 | 1-14Ga-16cm-I       | 1-14Ga-16cm             | 0.035"*60cm | 8Fr*10cm   | -                 | 18Ga    | 14Ga     | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |
| CVMY11420 | 1-14Ga-20cm-Y       | 1-14Ga-20cm             | 0.035"*60cm | 8Fr*10cm   | 18Ga              | -       | 14Ga     | 5mL                | 5mL      | -                       | 0.7mm             | 11#     | Regular            |
| ICVM11420 | 1-14Ga-20cm-I       | 1-14Ga-20cm             | 0.035"*60cm | 8Fr*10cm   | -                 | 18Ga    | 14Ga     | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |
| CVMY11430 | 1-14Ga-30cm-Y       | 1-14Ga-30cm             | 0.035"*60cm | 8Fr*10cm   | 18Ga              | -       | 14Ga     | 5mL                | 5mL      | -                       | 0.7mm             | 11#     | Regular            |
| ICVM11430 | 1-14Ga-30cm-I       | 1-14Ga-30cm             | 0.035"*60cm | 8Fr*10cm   | -                 | 18Ga    | 14Ga     | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |
| CVMY11216 | 1-12Ga-16cm-Y       | 1-12Ga-16cm             | 0.035"*60cm | 8.5Fr*10cm | 18Ga              | -       | 8Fr      | 5mL                | 5mL      | -                       | 0.7mm             | 11#     | Regular            |

| REF       | Type specifications | Specification           |             |            |                   |         |          |                    |          |                         |                   |         |                    |
|-----------|---------------------|-------------------------|-------------|------------|-------------------|---------|----------|--------------------|----------|-------------------------|-------------------|---------|--------------------|
|           |                     | Central Venous Catheter | Guide wire  | Dilator    | Introducer Needle |         | Fastener | Hypodermic Syringe |          | Blue introducer syringe | Hypodermic Needle | Scalpel | Injection site cap |
|           |                     |                         |             |            | Y Model           | I Model |          | I Model            | II Model |                         |                   |         |                    |
| ICVM25016 | 2-5Fr-16cm-I        | 2-5Fr-16cm              | 0.021"*60cm | 5.5Fr*6cm  | -                 | 20Ga    | 16Ga     | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |
| CVMY25020 | 2-5Fr-20cm-Y        | 2-5Fr-20cm              | 0.021"*60cm | 5.5Fr*6cm  | 20Ga              | -       | 16Ga     | 5mL                | 5mL      | -                       | 0.7mm             | 11#     | Regular            |
| ICVM25020 | 2-5Fr-20cm-I        | 2-5Fr-20cm              | 0.021"*60cm | 5.5Fr*6cm  | -                 | 20Ga    | 16Ga     | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |
| CVMY26013 | 2-6Fr-13cm-Y        | 2-6Fr-13cm              | 0.021"*60cm | 6.5Fr*8cm  | 20Ga              | -       | 5.5Fr    | 5mL                | 5mL      | -                       | 0.7mm             | 11#     | Regular            |
| ICVM26013 | 2-6Fr-13cm-I        | 2-6Fr-13cm              | 0.021"*60cm | 6.5Fr*8cm  | -                 | 20Ga    | 5.5Fr    | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |
| CVMY26016 | 2-6Fr-16cm-Y        | 2-6Fr-16cm              | 0.021"*60cm | 6.5Fr*8cm  | 20Ga              | -       | 5.5Fr    | 5mL                | 5mL      | -                       | 0.7mm             | 11#     | Regular            |
| ICVM26016 | 2-6Fr-16cm-I        | 2-6Fr-16cm              | 0.021"*60cm | 6.5Fr*8cm  | -                 | 20Ga    | 5.5Fr    | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |
| CVMY26020 | 2-6Fr-20cm-Y        | 2-6Fr-20cm              | 0.021"*60cm | 6.5Fr*8cm  | 20Ga              | -       | 5.5Fr    | 5mL                | 5mL      | -                       | 0.7mm             | 11#     | Regular            |
| ICVM26020 | 2-6Fr-20cm-I        | 2-6Fr-20cm              | 0.021"*60cm | 6.5Fr*8cm  | -                 | 20Ga    | 5.5Fr    | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |
| CVMY27016 | 2-7Fr-16cm-Y        | 2-7Fr-16cm              | 0.035"*60cm | 8.5Fr*10cm | 18Ga              | -       | 7Fr      | 5mL                | 5mL      | -                       | 0.7mm             | 11#     | Regular            |
| ICVM27016 | 2-7Fr-16cm-I        | 2-7Fr-16cm              | 0.035"*60cm | 8.5Fr*10cm | -                 | 18Ga    | 7Fr      | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |
| CVMY27020 | 2-7Fr-20cm-Y        | 2-7Fr-20cm              | 0.035"*60cm | 8.5Fr*10cm | 18Ga              | -       | 7Fr      | 5mL                | 5mL      | -                       | 0.7mm             | 11#     | Regular            |
| ICVM27020 | 2-7Fr-20cm-I        | 2-7Fr-20cm              | 0.035"*60cm | 8.5Fr*10cm | -                 | 18Ga    | 7Fr      | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |
| CVMY27030 | 2-7Fr-30cm-Y        | 2-7Fr-30cm              | 0.035"*60cm | 8.5Fr*10cm | 18Ga              | -       | 7Fr      | 5mL                | 5mL      | -                       | 0.7mm             | 11#     | Regular            |
| ICVM27030 | 2-7Fr-30cm-I        | 2-7Fr-30cm              | 0.035"*60cm | 8.5Fr*10cm | -                 | 18Ga    | 7Fr      | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |
| CVMY28016 | 2-8Fr-16cm-Y        | 2-8Fr-16cm              | 0.035"*60cm | 8.5Fr*10cm | 18Ga              | -       | 8Fr      | 5mL                | 5mL      | -                       | 0.7mm             | 11#     | Regular            |
| ICVM28016 | 2-8Fr-16cm-I        | 2-8Fr-16cm              | 0.035"*60cm | 8.5Fr*10cm | -                 | 18Ga    | 8Fr      | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |
| CVMY28020 | 2-8Fr-20cm-Y        | 2-8Fr-20cm              | 0.035"*60cm | 8.5Fr*10cm | 18Ga              | -       | 8Fr      | 5mL                | 5mL      | -                       | 0.7mm             | 11#     | Regular            |

| REF       | Type specifications | Specification           |             |            |                   |         |          |                    |          |                         |                   |         |                    |
|-----------|---------------------|-------------------------|-------------|------------|-------------------|---------|----------|--------------------|----------|-------------------------|-------------------|---------|--------------------|
|           |                     | Central Venous Catheter | Guide wire  | Dilator    | Introducer Needle |         | Fastener | Hypodermic Syringe |          | Blue introducer syringe | Hypodermic Needle | Scalpel | Injection site cap |
|           |                     |                         |             |            | Y Model           | I Model |          | I Model            | II Model |                         |                   |         |                    |
| ICVM35520 | 3-5.5Fr-20cm-I      | 3-5.5Fr-20cm            | 0.021"*60cm | 6.5Fr*8cm  | -                 | 20Ga    | 5.5Fr    | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |
| CVMY37016 | 3-7Fr-16cm-Y        | 3-7Fr-16cm              | 0.035"*60cm | 8.5Fr*10cm | 18Ga              | -       | 7Fr      | 5mL                | 5mL      | -                       | 0.7mm             | 11#     | Regular            |
| ICVM37016 | 3-7Fr-16cm-I        | 3-7Fr-16cm              | 0.035"*60cm | 8.5Fr*10cm | -                 | 18Ga    | 7Fr      | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |
| CVMY37020 | 3-7Fr-20cm-Y        | 3-7Fr-20cm              | 0.035"*60cm | 8.5Fr*10cm | 18Ga              | -       | 7Fr      | 5mL                | 5mL      | -                       | 0.7mm             | 11#     | Regular            |
| ICVM37020 | 3-7Fr-20cm-I        | 3-7Fr-20cm              | 0.035"*60cm | 8.5Fr*10cm | -                 | 18Ga    | 7Fr      | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |
| CVMY37030 | 3-7Fr-30cm-Y        | 3-7Fr-30cm              | 0.035"*60cm | 8.5Fr*10cm | 18Ga              | -       | 7Fr      | 5mL                | 5mL      | -                       | 0.7mm             | 11#     | Regular            |
| ICVM37030 | 3-7Fr-30cm-I        | 3-7Fr-30cm              | 0.035"*60cm | 8.5Fr*10cm | -                 | 18Ga    | 7Fr      | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |
| CVMY38516 | 3-8.5Fr-16cm-Y      | 3-8.5Fr-16cm            | 0.035"*60cm | 9Fr*10cm   | 18Ga              | -       | 8.5Fr    | 5mL                | 5mL      | -                       | 0.7mm             | 11#     | Regular            |
| ICVM38516 | 3-8.5Fr-16cm-I      | 3-8.5Fr-16cm            | 0.035"*60cm | 9Fr*10cm   | -                 | 18Ga    | 8.5Fr    | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |
| CVMY38520 | 3-8.5Fr-20cm-Y      | 3-8.5Fr-20cm            | 0.035"*60cm | 9Fr*10cm   | 18Ga              | -       | 8.5Fr    | 5mL                | 5mL      | -                       | 0.7mm             | 11#     | Regular            |
| ICVM38520 | 3-8.5Fr-20cm-I      | 3-8.5Fr-20cm            | 0.035"*60cm | 9Fr*10cm   | -                 | 18Ga    | 8.5Fr    | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |
| CVMY38530 | 3-8.5Fr-30cm-Y      | 3-8.5Fr-30cm            | 0.035"*60cm | 9Fr*10cm   | 18Ga              | -       | 8.5Fr    | 5mL                | 5mL      | -                       | 0.7mm             | 11#     | Regular            |
| ICVM38530 | 3-8.5Fr-30cm-I      | 3-8.5Fr-30cm            | 0.035"*60cm | 9Fr*10cm   | -                 | 18Ga    | 8.5Fr    | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |
| CVMY48520 | 4-8.5Fr-20cm-Y      | 4-8.5Fr-20cm            | 0.035"*60cm | 9Fr*10cm   | 18Ga              | -       | 8.5Fr    | 5mL                | 5mL      | -                       | 0.7mm             | 11#     | Regular            |
| ICVM48520 | 4-8.5Fr-20cm-I      | 4-8.5Fr-20cm            | 0.035"*60cm | 9Fr*10cm   | -                 | 18Ga    | 8.5Fr    | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |
| CVMY48530 | 4-8.5Fr-30cm-Y      | 4-8.5Fr-30cm            | 0.035"*60cm | 9Fr*10cm   | 18Ga              | -       | 8.5Fr    | 5mL                | 5mL      | -                       | 0.7mm             | 11#     | Regular            |
| ICVM48530 | 4-8.5Fr-30cm-I      | 4-8.5Fr-30cm            | 0.035"*60cm | 9Fr*10cm   | -                 | 18Ga    | 8.5Fr    | 5mL                | -        | 5mL                     | 0.7mm             | 11#     | Regular            |

**Accessories:** This product has no accessories.