



Neurosurgical Catheters

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ABOUT US

DESU is a pioneering medical research and development company established in 2007, headquartered in Ankara, Turkey. Our mission is to advance healthcare technologies by developing innovative solutions, with a particular focus on neurosurgery and biomaterials.

Our headquarters are strategically positioned in a vibrant academic ecosystem, featuring highly regulated and meticulously detailed facilities. This environment fosters seamless collaboration between research and practical application, enabling groundbreaking advancements. Our facilities feature state-of-the-art cleanroom production environments, including 10,000-class and 1,000-class cleanrooms, designed to meet the stringent standards required for producing premium-quality medical devices and materials.

Innovation begins with curiosity—but its true impact is realized when groundbreaking research translates into real-world solutions. At **DESU**, we transform scientific advancements into tangible medical breakthroughs, bridging the gap between discovery and application.

Every product we create is the result of meticulous research, state-of-the-art technology, and an unwavering commitment to excellence. By integrating cutting-edge science with precision engineering, we ensure superior quality and performance in every solution we deliver.

With a relentless focus on progress, we don't just adapt to the future of healthcare—we shape it. By turning visionary research into reality, **DESU** is redefining what's possible in modern medicine and improving lives worldwide.

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Why Choose Us?



High-Quality Materials & Innovative Design

Our catheters are made from barium silicone, offering durability, flexibility, and excellent visibility under imaging.



Precision & Safety

Tantalum length markings ensure accurate positioning, while multiple drainage holes optimize fluid management.



Advanced Infection Protection

The antibiotic-impregnated option with **Clindamycin and Rifampicin** provides controlled release for 28 days, reducing the risk of infection.



Reliable & Effective Performance

Designed for medical professionals, our catheters deliver consistent and dependable results.



Comprehensive Kit for Convenience

Each kit includes all essential components for an efficient and seamless medical application.

Ventricular Catheter Kit

Ventricular catheters are made of **barium silicone** material and feature **tantalum length markings** for enhanced visibility. These markings are located at each centimeter from the **5 cm to 15 cm** of the catheter.

At the **proximal end**, the catheter is designed with **six drainage holes arranged in four rows** to ensure optimal drainage.

Additionally, ventricular catheters are available with an **antibiotic-impregnated option**, featuring **Clindamycin and Rifampicin**. These antibiotics are released in a **controlled manner for up to 28 days**, providing effective infection prevention.

Ventricular Catheter Kit Includes:

- **Ventricular Catheter** (ID: 1.3 mm | OD: 2.5 mm | L: 23 cm)
- **Stylet**
- **Right-Angled Connector**



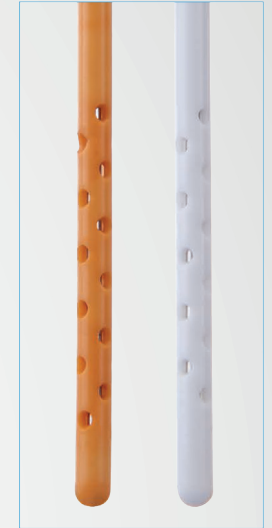
Right Angled Connector



Antibiotic Impregnated
Ventricular Catheter



Barium Impregnated
Standard Ventricular Catheter



Peritoneal Catheter Kit

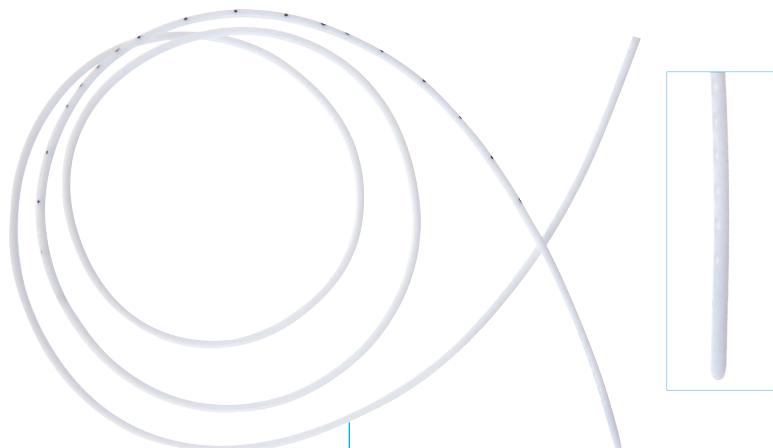
Peritoneal catheters are made of **barium silicone** material and are equipped with **tantalum length markings** for enhanced visibility. These markings are present at each centimeter from the **5 cm to 20 cm** of the catheter.

At the **proximal end**, the catheter features **six drainage holes arranged in four rows** to ensure efficient fluid drainage.

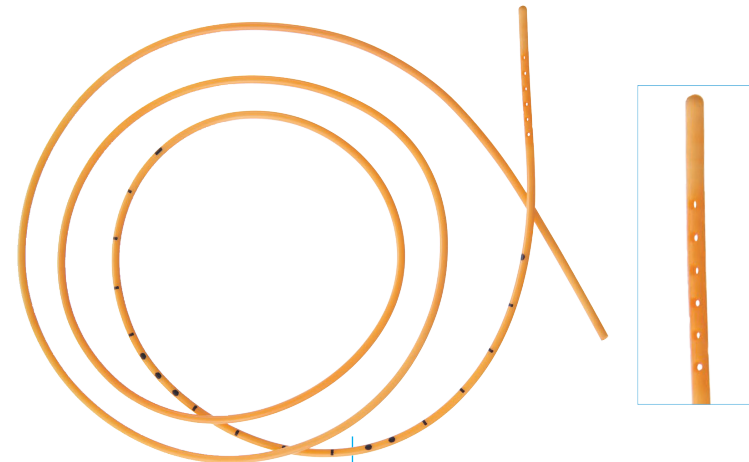
For additional protection, peritoneal catheters are available with an **antibiotic-impregnated option**, containing **Clindamycin and Rifampicin**. These antibiotics are released in a **controlled manner for up to 28 days**, providing effective infection prevention.

Peritoneal Catheter Kit Includes:

- **Peritoneal Catheter** (ID: 1.1 mm | OD: 2.5 mm | L: 120 cm)



Peritoneal Catheter



Antibiotic Impregnated
Peritoneal Catheter



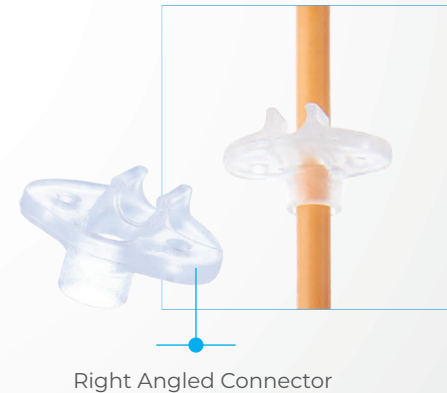
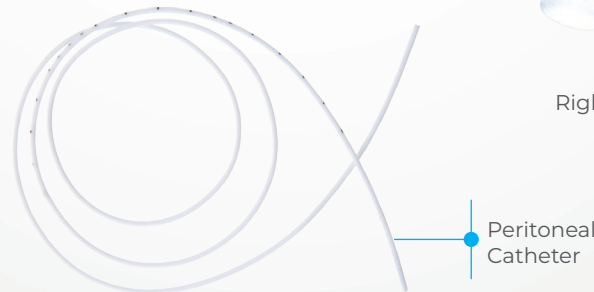
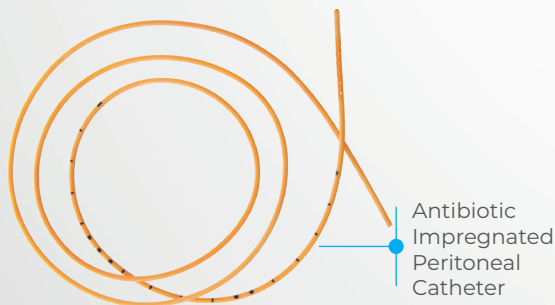
Ventriculoperitoneal Catheter Kit

Ventriculoperitoneal catheters are made from **barium silicone** material, ensuring durability and enhanced visibility under imaging.

- **Tantalum length markings** are placed for precise positioning:
 - On the **Ventricular Catheter**, markings are located at each centimeter from the **5 cm to 15 cm**.
 - On the **Peritoneal Catheter**, markings are located at each centimeter from the **5 cm to 20 cm**.
- At the **proximal end**, the catheter is designed with **24 drainage holes**, arranged as **6 holes along 4 rows**, to ensure efficient fluid drainage.
- For infection prevention, an **antibiotic-impregnated option** is available. The catheter is coated with **Clindamycin and Rifampicin**, releasing in a **controlled manner for up to 28 days**.

Ventriculoperitoneal Catheter Kit Includes:

- **Ventricular Catheter** (ID: 1.3 mm | OD: 2.5 mm | L: 23 cm)
- **Peritoneal Catheter** (ID: 1.1 mm | OD: 2.5 mm | L: 120 cm)
- **Stylet**
- **Right-Angled Connector**



Antibiotic Impregnated Ventricular Catheter

Barium Impregnated Standard Ventricular Catheter



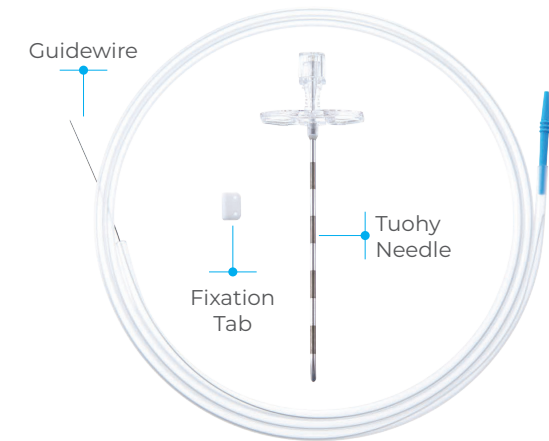
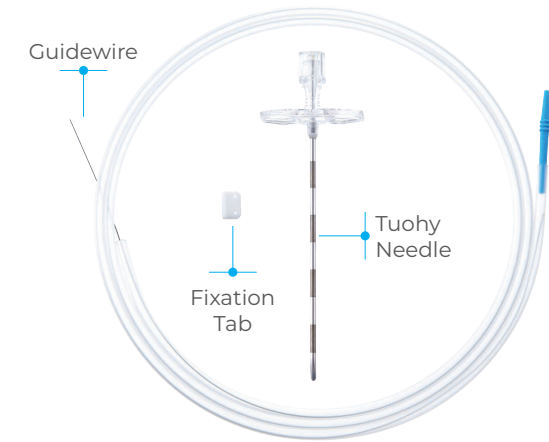
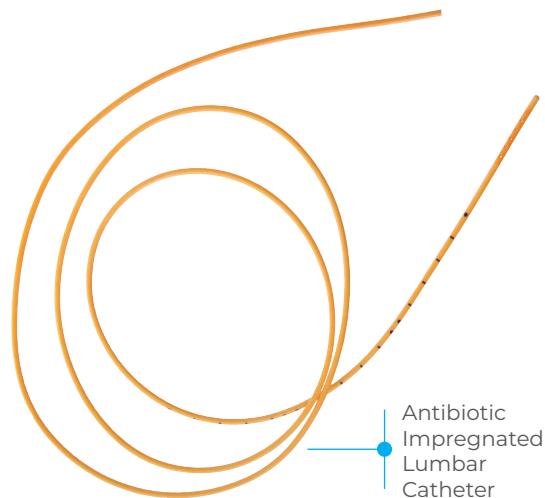
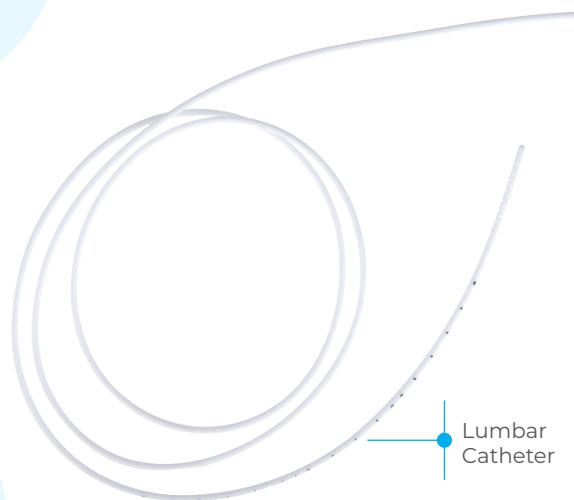
Lumbar Catheter Kit

Lumbar catheters are crafted from **barium silicone** material, ensuring flexibility, durability, and excellent imaging visibility.

- **Tantalum length markings** are provided along the catheter, at each centimeter from the **5 cm to 20 cm**, for precise placement.
- At the **proximal end**, the catheter features **24 drainage holes**, arranged as **6 holes along 4 rows**, ensuring effective fluid drainage.

Lumbar Catheter Kit Includes:

- **Lumbar Catheter** (ID: 0.8 mm | OD: 1.6 mm | L: 100 cm)
- **14G Tuohy Needle**
- **Guidewire**
- **Fixation Tab**



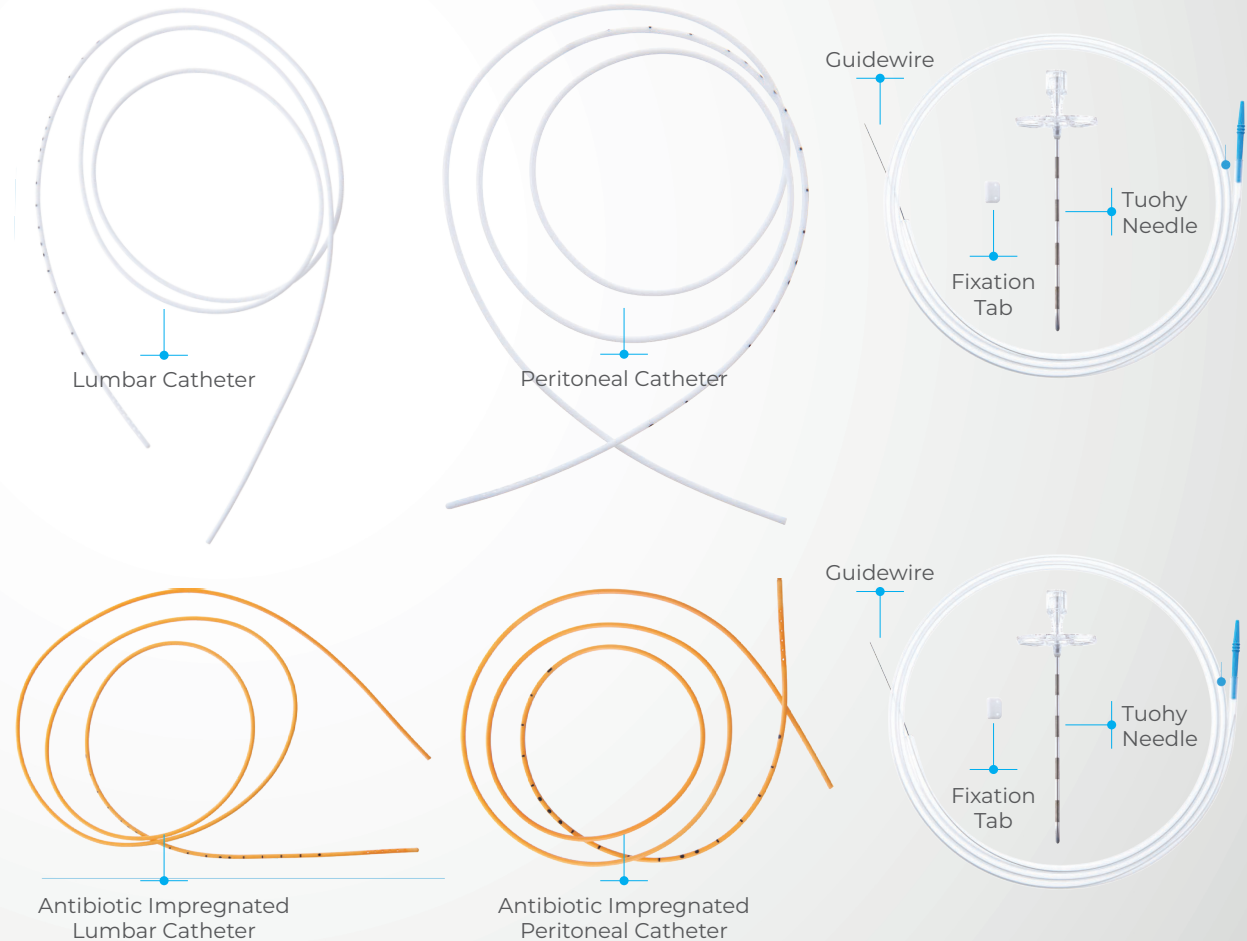
Lumboperitoneal Catheter Kit

The **Lumboperitoneal Catheters** are constructed from high-quality barium silicon material, ensuring durability and flexibility for medical procedures. Tantalum length markings are clearly visible on the **Lumbar Catheter**, indicating every centimeter from the **5 cm to 20 cm**, and similarly, on the **Peritoneal Catheter**, from the **5 cm to 20 cm**. These markings assist with precise positioning during use.

The **catheter design** includes 24 drainage holes located at the proximal end, distributed as 6 holes along 4 rows for effective drainage.

The Lumboperitoneal Catheter Kit includes:

- **Lumbar Catheter:**
 - Inner Diameter (ID): 0.8 mm
 - Outer Diameter (OD): 1.6 mm
 - Length (L): 100 cm
- **Peritoneal Catheter:**
 - Inner Diameter (ID): 1.1 mm
 - Outer Diameter (OD): 2.5 mm
 - Length (L): 120 cm
- **14G Tuohy Needle**
- **Guidewire**



Ventricular Catheter Kit

The **Ventricular Catheters** are made from high-quality barium silicon material, providing flexibility and durability for medical procedures. The catheters feature **tantalum length markings** on the **Lumbar Catheter**, visible at each centimeter from the **5 cm to 15 cm**, allowing for precise measurements during placement. At the proximal end of the catheter, **24 drainage holes** are strategically arranged in 4 rows with 6 holes each to ensure optimal drainage.

An **antibiotic-impregnated** option is also available for the **Ventricular Catheters**. The catheters are impregnated with **Clindamycin** and **Rifampicin**, which are gradually released in a controlled manner over a 28-day period, helping reduce the risk of infection.

The Ventricular Catheter Kit includes:

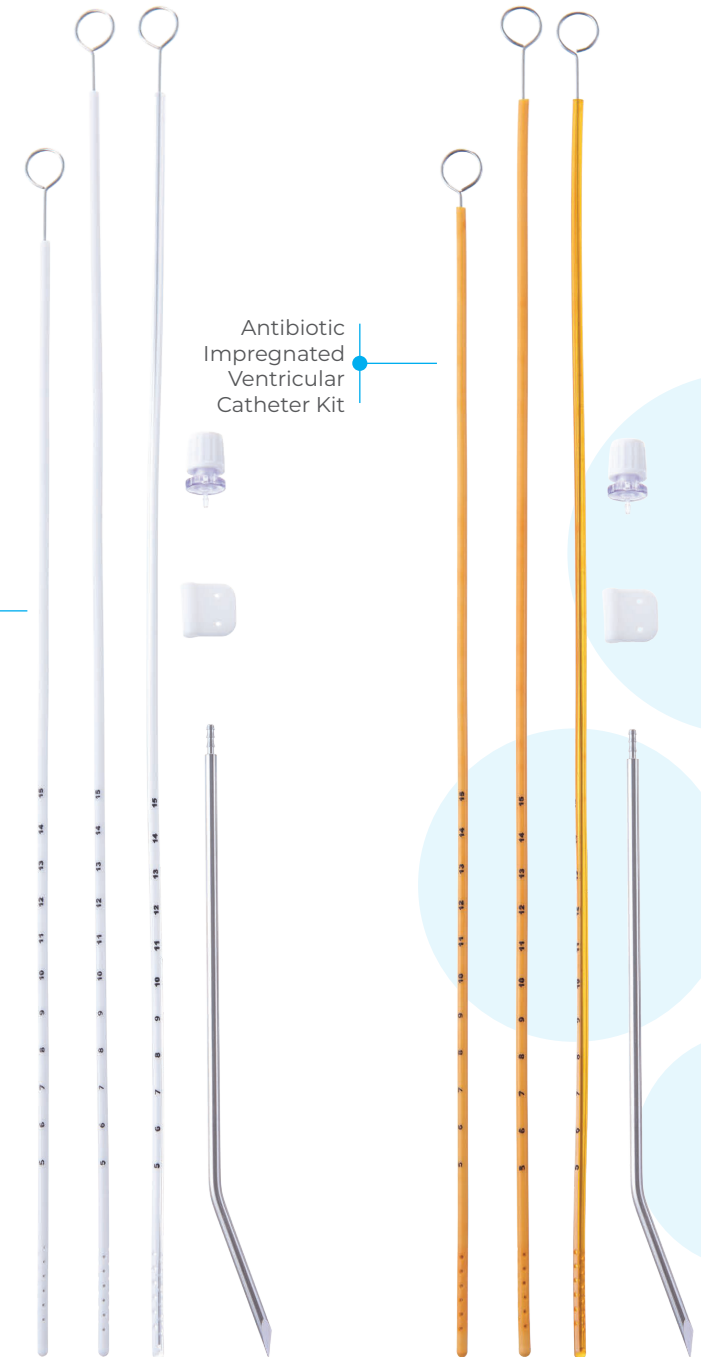
- **Ventricular Catheter**
- **Stylet**
- **Angled Trocar**
- **Luer Lock Connector**
- **Distal Cap**

This comprehensive kit is designed for safe, reliable use in ventricular procedures, offering all essential components for effective placement and management.

Ventricular Catheter Kit



Antibiotic Impregnated Ventricular Catheter Kit



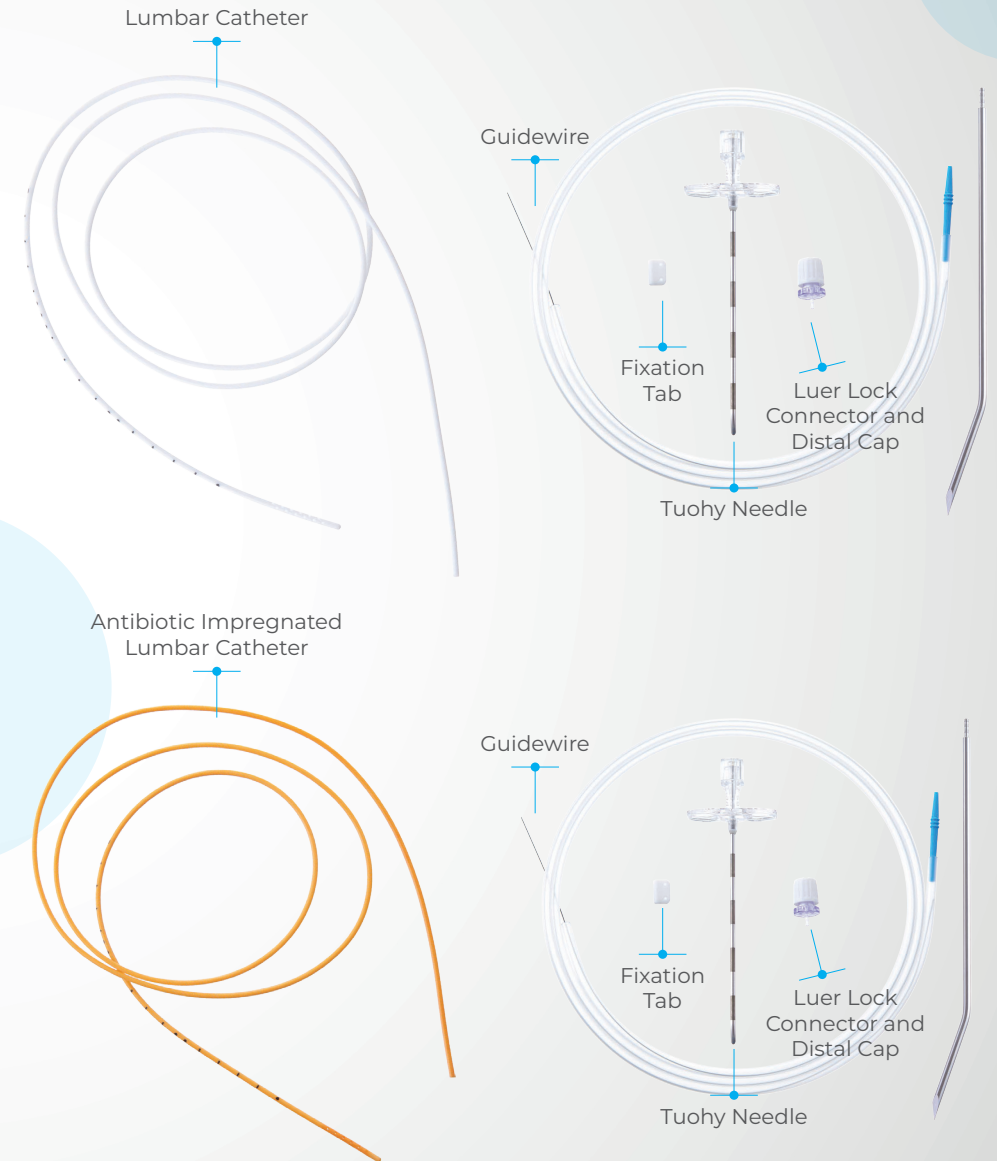
Lumbar Catheter Kit

The **Lumbar Catheters** are made from durable barium silicon material, ensuring flexibility and reliability during medical procedures. Tantalum length markings are clearly visible on the catheter, indicating every centimeter from the **5 cm to 20 cm**, enabling precise placement. At the proximal end of the catheter, **24 drainage holes** are strategically positioned in 4 rows, with 6 holes per row, to facilitate effective drainage.

An **antibiotic-impregnated** option is available for **Lumbar Catheters**. These catheters are impregnated with **Clindamycin and Rifampicin**, which are released in a controlled manner over a 28-day period, providing continuous infection prevention.

The Lumbar Catheter Kit includes:

- **Lumbar Catheter:**
 - Inner Diameter (ID): 0.8 mm
 - Outer Diameter (OD): 1.6 mm
 - Length (L): 80 cm
- **Tuohy Needle**
- **Guidewire**
- **Angled Trocar**
- **Luer Lock Connector**
- **Fixation Tab**





Catheter Systems are designed to be used with shunt or drainage systems for the controlled drainage of cerebrospinal fluid (CSF).

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Üniversiteler Mah. 1596. Sok., Hacettepe Teknokent
Safir Bina E Blok Z02-03, 06800 Çankaya/Ankara

+90 **312 299 25 63**

www.xenobone.com

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