

FOR A HEALTHY BRAIN

**Drainage
Systems**



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OUR VALUES

EXECUTION / Strive for executional excellence which directly impacts patients, our central focus, **PASSION** / Show passion in how we do our job so we continuously move forward, innovate and improve, **INTEGRITY** / Act in honesty, transparency and fairness that create the trust in our company, **THINK GLOBAL** / Reach out to global markets to assure no patient is left behind anywhere, **EMBRACE AND DRIVE CHANGE** / Focus on change through collaboration with all our stakeholders.

OUR MISSION

Our compassion for healthy life is leading us **to focus on innovative thinking and new technologies in order to provide medical devices that make living easier,** more affordable and effective.

OUR VISION

We believe in a **world where everybody is taken care of, comfortable and happy,** in sickness and in health.

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Drainage Systems



DESU Medical manufacturing and R & D activities are performed in Class 10,000 and 1,000 clean room facilities within the Hacettepe University Technopark establishment.



Drainage Systems

Drainage System Types

EXTERNAL VENTRICULAR DRAINAGE SYSTEM
(ENDS AND EVD CATHETER KIT)

EXTERNAL LUMBAR DRAINAGE SYSTEM
(ENDS AND LUMBAR DRAINAGE CATHETER KIT)

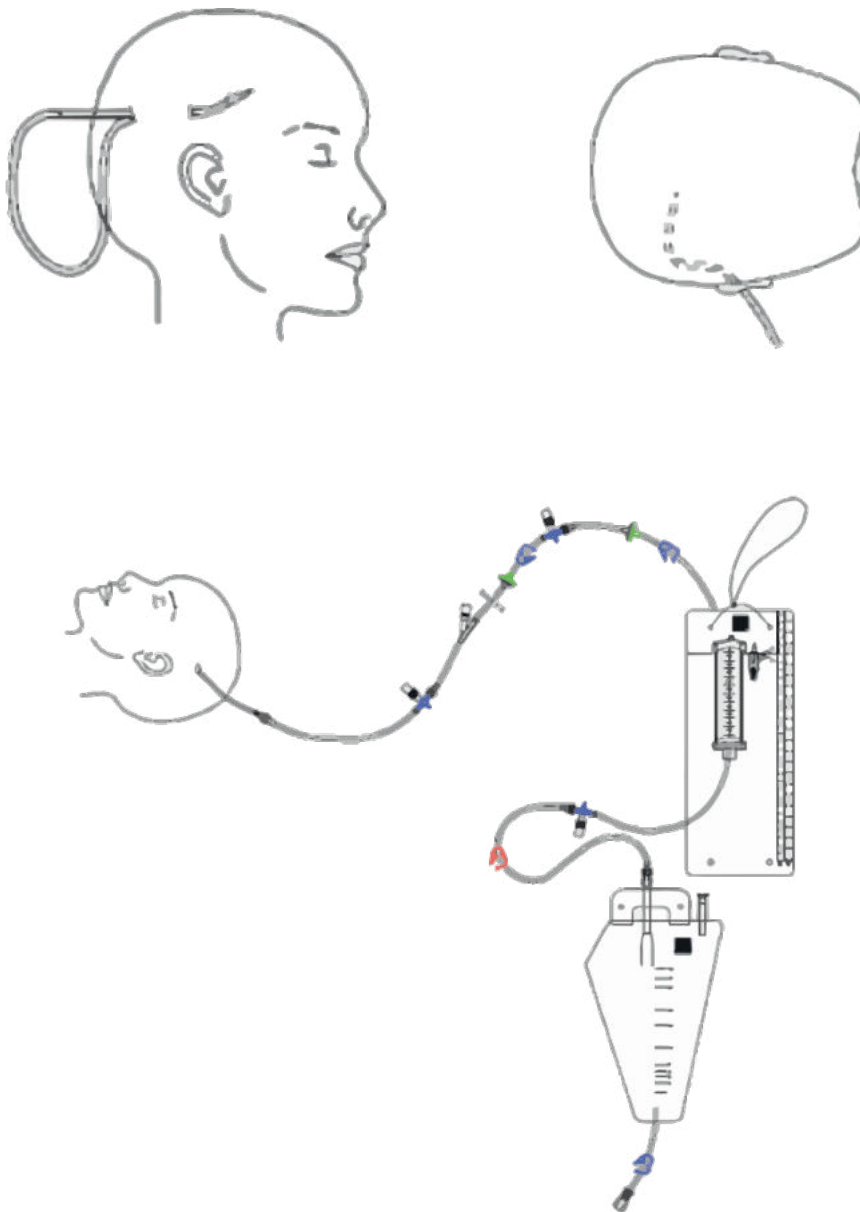


All drainage systems are supplied sterile (method: EO-Ethylene Oxide).

Drainage System Types

EXTERNAL VENTRICULAR DRAINAGE SYSTEM (ENDS AND EVD CATHETER KIT)

BIÇAKCILAR/DESU External Ventricular Drainage System consists of 1 ENDS (External Neurological Drainage System) and 1 External Ventricular Drainage Catheter kit. The External Ventricular Drainage System is used when use of permanent shunt implant is not necessary or suitable to reduce the intra-cranial pressure by means of CSF drainage. The system is available with 2 options: with a standard EVD catheter kit or an antibiotic impregnated EVD catheter kit.



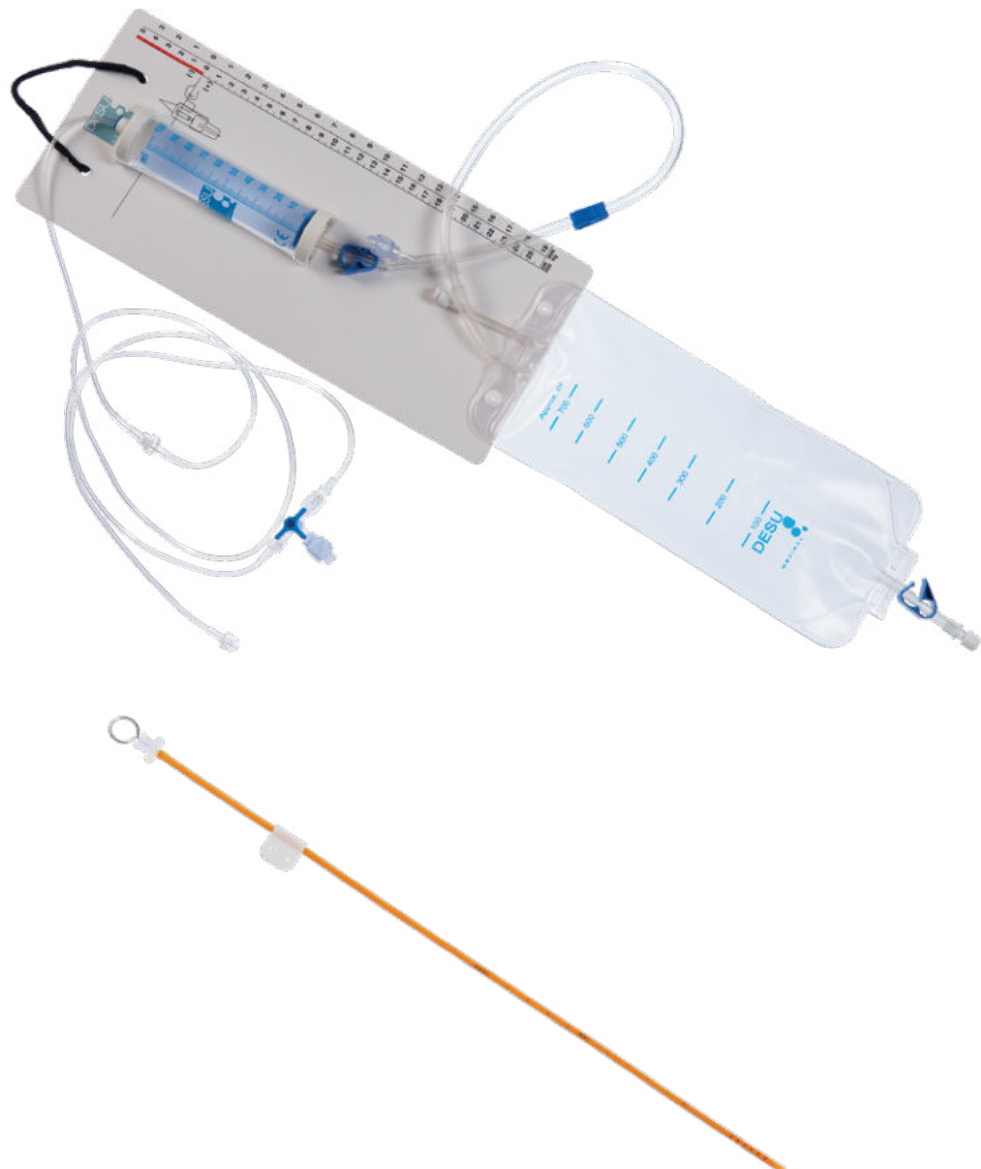


ENDS (External Neurological Drainage System) consists of the following parts:

- 1, female luer connector and luer cap (to connect the catheter to the distal outlet)
- 1, 60 cm reinforced rope with locking mechanism
- 1, 30 cm measurement scale (to adjust the CSF level according to mm Hg level)
- 1, 100 ml drip chamber with anti-microbial filter
- 1, 250 cm patient line that consists of: 1 male luer connector with cap, 3 three-way connectors, 1 y-connector with injection port, 4 clamps
- 1, 700 ml sterile drainage bag that has: an air filter, 1 outlet and level indicators at every 100 ml and has an air-filter
- 1 ventricular (standard/antibiotic impregnated) or lumbar drainage catheter (standard), according to intended use

EVD (External Ventricular Drainage) Catheter kit consists of the following parts:

- 1 External Ventricular Drainage Catheter
- 1, 32 cm stainless steel stylet (for insertion of the catheter)
- 1, stainless steel trocar needle with bended tip to allow catheter passage under the skin during catheterization
- 1 luer connector
- 1 silicone fixation tab



EXTERNAL LUMBAR DRAINAGE SYSTEM (ENDS AND LUMBAR DRAINAGE CATHETER KIT)

BIÇAKCILAR/DESU External Lumbar Drainage System consists of 1 ENDS (External Neurological Drainage System) and 1 External Lumbar Drainage Catheter kit. The External Lumbar Drainage System is used when use of permanent shunt implant is not necessary or suitable to reduce the CSF pressure by means of CSF drainage through the subarachnoid cavity.

ENDS (External Neurological Drainage System) consists of the following parts:

- 1, female luer connector and luer cap (to connect the catheter to the distal outlet)
- 1, 60 cm reinforced rope with locking mechanism
- 1, 30 cm measurement scale (to adjust the CSF level according to mm Hg level)
- 1, 100 ml drip chamber with anti-microbial filter
- 1, 250 cm patient line that consists of: 1 male luer connector with cap, 3 three-way connectors, 1 y-connector with injection port, 4 clamps
- 1, 700 ml sterile drainage bag that has: an air filter, 1 outlet and level indicators at every 100 ml and has an air-filter
- 1 ventricular (standard/antibiotic impregnated) or lumbar drainage catheter (standard), according to intended use

External Lumbar Drainage Catheter kit consists of the following parts:

- 1 External Lumbar Drainage Catheter
- 1, stainless steel trocar needle with bended tip to allow catheter passage under the skin during catheterization
- 1 luer connector
- 1 silicone fixation tab

