

Desu & Linacol Product Catalogue





All products and product specifications identified in the product catalogue are based upon the information available to Desu at the time of publication. Desu reserves the right to discontinue any of these products or to change any such specifications without prior notice.



DESU Medical is a leading medical research and development company based in Ankara, Turkey, with a global presence.

Our innovative products, including hydrocephalus shunt kits, dura membranes, EVD systems, and bone grafts, are actively utilized in over 40 countries worldwide. Committed to excellence and quality, our diverse product portfolio reflects our dedication to improving healthcare outcomes globally.



LINACOL is a medical research and development company founded in 2014 with its headquarters located in Ankara.

The company's main headquarters and its 10,000 class and 1,000 class cleanroom production facilities are situated in the Hacettepe University Technopark campus.

Desu and Linacol function as a unified group entity, jointly conducting R&D, manufacturing, and sales operations.



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BONE CEMENTS

Description

DEFIX - Standard

DEFIX - Vertebroplasty

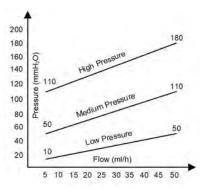
DEFIX - Cranioplasty

COLLAGEN BASED BONE GRAFTS

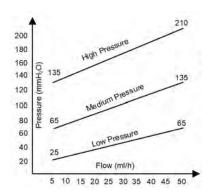
DEBONE - Collagen Based Bone Graft

XENOBONE - Collagen Based Animal Origin Bone Graft

Shunt systems are drainage systems designed to reduce the intracranial pressure that occurs with hydrocephalus disease.



Normal kit graph



With antisiphone kit graph

All shunt systems are provided as sterile (Method EO-Ethylene Oxide)



Neurosurgical Shunt Systems

Silicone Shunts

Silicone valves are made of polypropylene and silicone elastomer. The risk of deformation due to adhesion is minimized. Does not contain any metal parts. Suitable for MRI and CT scans. It has a reservoir structure. Antibiotic impregnated body option is available.

Polysulfone Shunts

The mechanism inside the Polysulfone Shunts is triggered by positive ventricular pressure and the valve opens automatically. The ruby ball and titanium spring parts in the system are the main components of this system, which works with the hydrodynamic eleverage method.



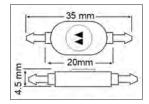
Defit Shunts

Silicone Flat-Bottom Shunts

Ultra Small, Small and Regular sizes are available as valve and shunt kit.

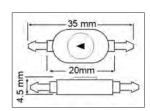
Ultra Small Defit Shunt





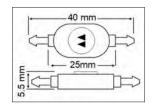
Antibiotic Impregnated Ultra Small Defit Shunt





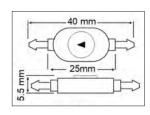
Small Defit Shunt





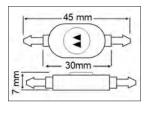
Antibiotic Impregnated Small Defit Shunt





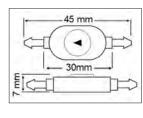
Regular Defit Shunt





Antibiotic Impregnated Regular Defit Shunt



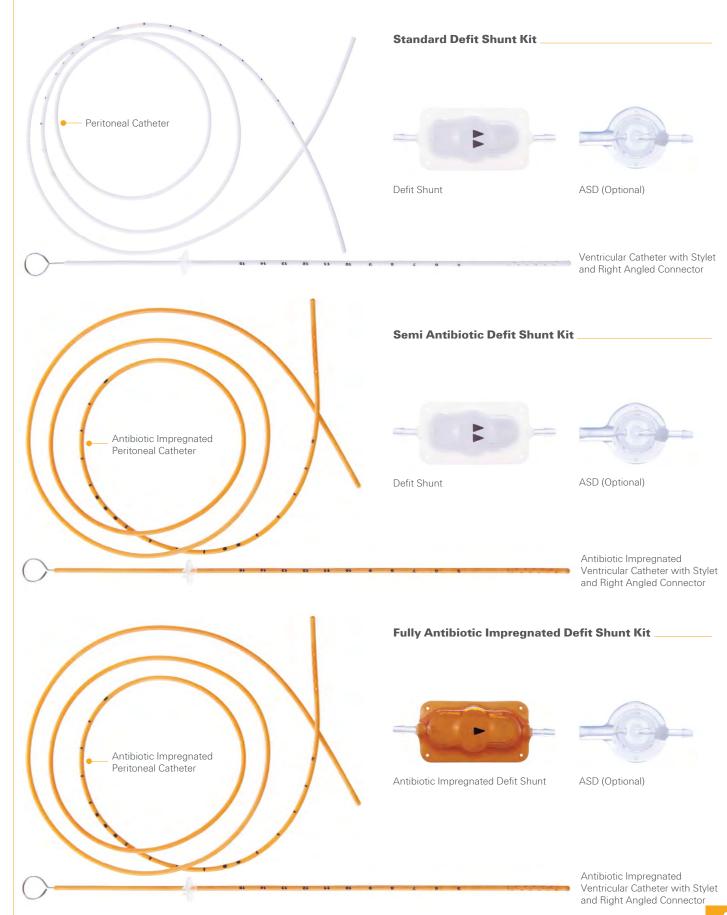


Defit Shunts

Silicone Flat-Bottom Shunt Kits

Ultra Small, Small and Regular sizes are available as valve and shunt kit.

Defit Shunt Kit included with; Defit Valve, Ventricular Catheter, Peritoneal Catheter, Stylet, Right Angled Connector, ASD (Optional)



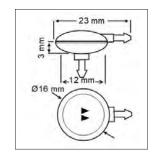
Decurve Shunts

Silicone Burr-Hole Shunts

Pediatric and Adult sizes are available as valve and shunt kit.

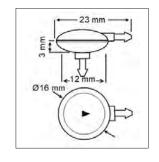
Pediatric Decurve Shunt





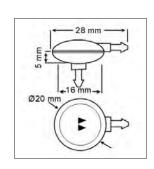
Antibiotic Impregnated Pediatric Decurve Shunt





Adult Decurve Shunt

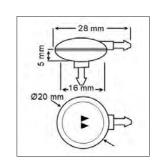




Antibiotic Impregnated Adult Decurve Shunt





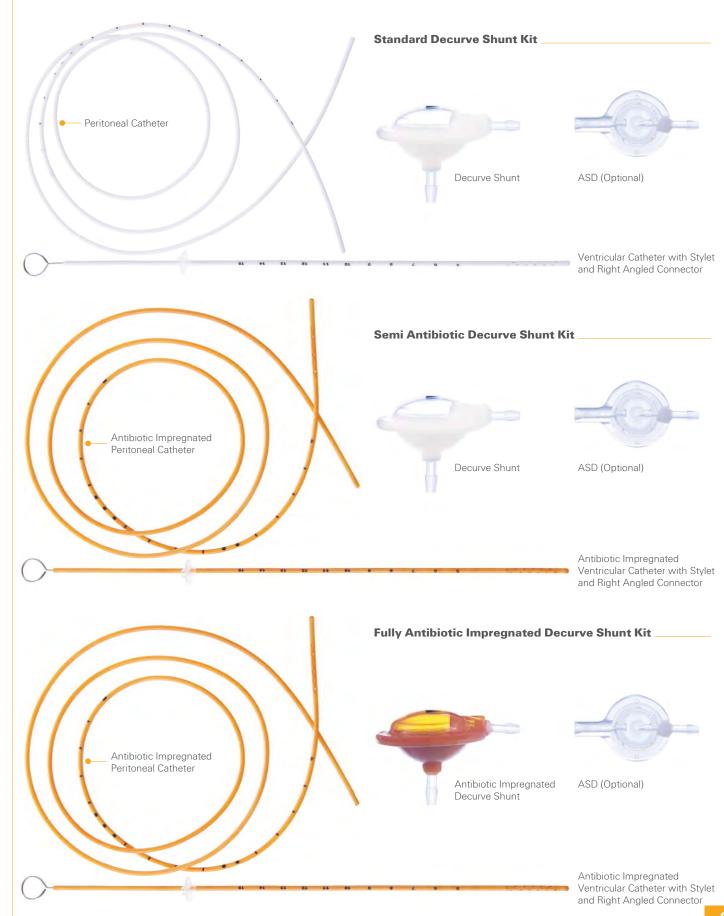


Decurve Shunts

Silicone Burr-Hole Shunt Kits

Pediatric and Adult sizes are available as valve and shunt kit.

Decurve Shunt Kit included with; Decurve Valve, Ventricular Catheter, Peritoneal Catheter, Stylet, Right Angled Connector, ASD (Optional)



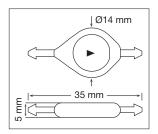
Depus Shunts

The mechanism inside the shunt is triggered by positive ventricular pressure and the valve opens automatically. The ruby ball and titanium spring parts in the system are the main components of this system, which works with the hydrodynamic leverage method.



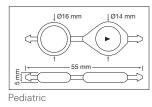


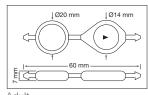
Adjustable Depus Shunt



Depus Shunt with Flat-Bottom Reservoir



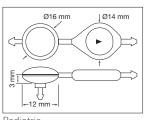




Adult

Depus Shunt with Burr-Hole Reservoir





I Ø14 mm

Pediatric

Adult

Depus ShuntsVentriculoperitoneal Shunt Kits

Valve size is suitable for pediatric and adult patients. Valve and shunt kit options are available.

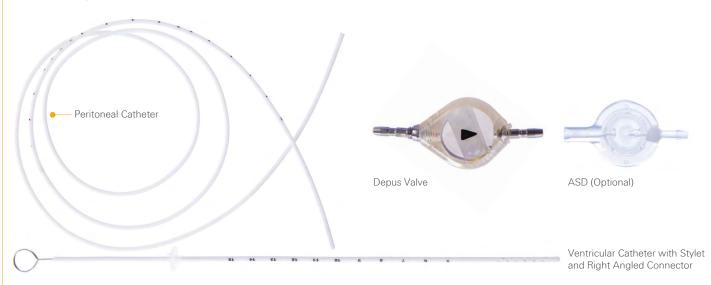
Depus Shunt Kit included with; Depus Valve, Ventricular Catheter, Peritoneal Catheter, Stylet, Right Angled Connector, ASD (Optional), Reservoir (Optional).



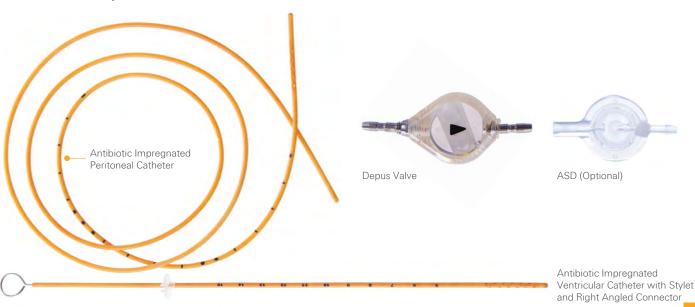


Depus Shunt with Flat-Bottom Reservoir





Semi Antibiotic Depus Shunt Kit

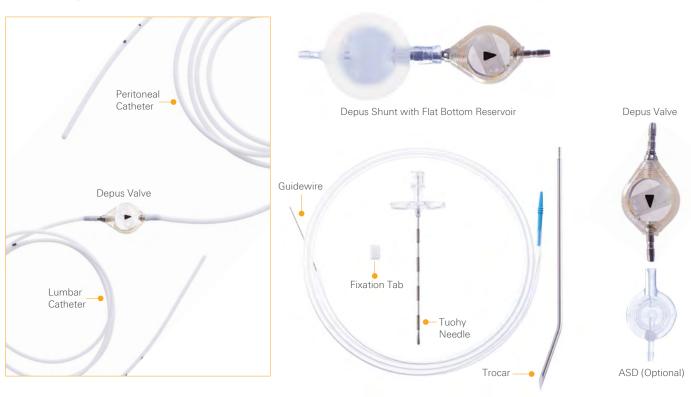


Depus ShuntsLumboperitoneal Shunt Kits

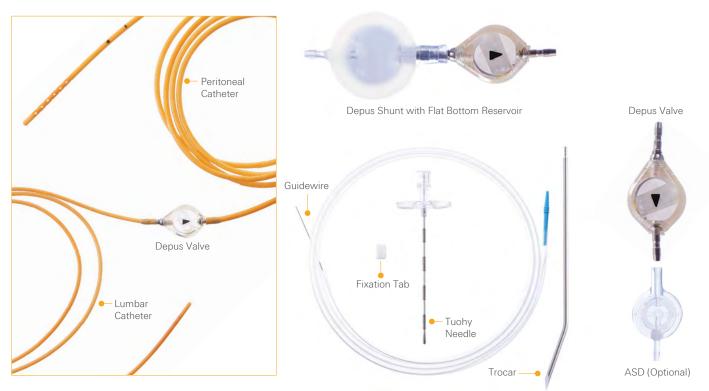
The valve size is suitable to use in both pediatric and adult patients.

Depus Shunt Kit included with; Depus Valve, Lumbar Catheter, Peritoneal Catheter, 14 G Tuohy Needle, 0,018" Guidewire, ASD (Optional), Reservoir (Optional).

Standard Depus Shunt Kit



Semi Antibiotic Depus Shunt Kit



Depus ShuntsAdjustable Ventriculoperitoneal Shunt Kits

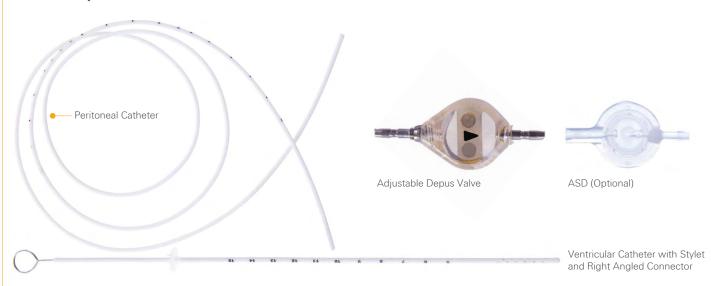
The valve size is suitable to use in pediatric and adults. There are four different silicone reservoirs with Depus Adjustable Shunt; Adult Flat-Bottom, Pediatric Flat-Bottom, Adult Burr-Hole and Pediatric Burr-Hole. Standard and semi-antibiotic kit options are available. Depus VP Adjustable Shunt Kit Included With; Depus Valve, Ventricular Catheter, Peritoneal Catheter, Stylet, Right Angled Connector, Silicone Reservoir, ASD (Optional).



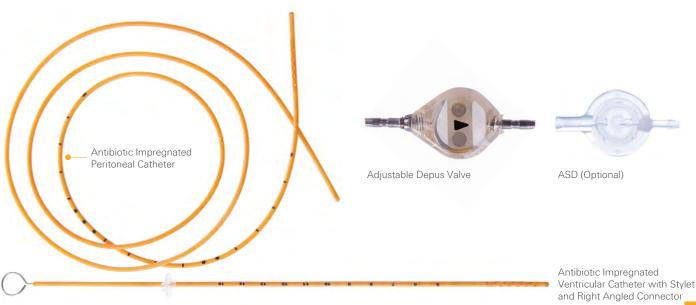


Adjustable Depus Shunt with Flat-Bottom Reservoir

Standard Depus Shunt Kit



Semi Antibiotic Depus Shunt Kit



Depus Adjustment Kit

Adjustment Kit is used to adjust the pressure of Adjustable Depus Shunts to different pressure levels, low, medium or high.





Adjustment Kit
Packaged in a non-sterile and
reusable box

Reference Code	Product Description	Pag
ASD	Antisiphone Device	4
DCA-H	Decurve Adult HP Shunt	5
DCA-H-VACK	Decurve Adult HP AI VP Cat Shunt Kit	6
DCA-H-VACK-ASD	Decurve Adult HP AI VP Cat ASD Shunt Kit	6
DCA-H-VCK	Decurve Adult HP VP Cat Shunt Kit	6
DCA-H-VCK-ASD	Decurve Adult HP VP Cat ASD Shunt Kit	6
DCA-L	Decurve Adult LowP Shunt	5
DCA-L-VACK	Decurve Adult LowP AI VP Cat Shunt Kit	6
DCA-L-VACK-ASD	Decurve Adult LowP AI VP Cat ASD Shunt Kit	6
DCA-L-VCK	Decurve Adult LowP VP Cat Shunt Kit	6
DCA-L-VCK-ASD	Decurve Adult LowP VP Cat ASD Shunt Kit	6
DCA-M	Decurve Adult MP Shunt	5
DCA-M-VACK	Decurve Adult LowP AI VP Cat Shunt Kit	6
DCA-M-VACK-ASD	Decurve Adult LowP AI VP Cat ASD Shunt Kit	6
DCA-M-VCK	Decurve Adult LowP VP Cat Shunt Kit	6
DCA-M-VCK-ASD	Decurve Adult LowP VP Cat ASD Shunt Kit	6
DCA-M-VCK-F	Decurve Adult LowP VP Cat Shunt Kit	6
DCP-H	Decurve Pediatric HP Shunt	5
DCP-H-VACK	Decurve Pediatric HP AI VP Cat Shunt Kit	6
DCP-H-VACK-ASD	Decurve Pediatric HP AI VP Cat ASD Shunt Kit	6
DCP-H-VCK	Decurve Pediatric HP VP Cat Shunt Kit	6
DCP-H-VCK-ASD	Decurve Pediatric HP VP Cat ASD Shunt Kit	6
DCP-L	Decurve Pediatric LowP Shunt	5
DCP-L-VACK	Decurve Pediatric LowP ATVP Cat Shunt Kit	6
DCP-L-VACK-ASD	Decurve Pediatric LowP AI VP Cat ASD Shunt Kit	6
DCP-L-VCK	Decurve Pediatric LowP VP Cat Shunt Kit	6
DCP-L-VCK-ASD	Decurve Pediatric LowP VP Cat ASD Shunt Kit	6
DCP-M	Decurve Pediatric MP Shunt	5
DCP-M-VACK	Decurve Pediatric MP AI VP Cat Shunt Kit	6
DCP-M-VACK-ASD	Decurve Pediatric MP AI VP Cat ASD Shunt Kit	6
DCP-M-VCK	Decurve Pediatric MP VP Cat ASD Shunt Kit	6
DCP-M-VCK-ASD DCP-M-VCK-F	Decurve Pediatric MP VP Cat ASD Shunt Kit Decurve Pediatric MP VP Cat Shunt Kit	6
DFR-H-PEB	Decurve Pediatric MP VP Cat Shuht Kit Defit Adult HP Shuht	3
DFR-H-VACK-PEB	Defit Adult HP ALVP Cat Shunt Kit	4
DFR-H-VACK-PEB-A	Defit Adult HP ALVP Cat ASD Shunt Kit	4
DFR-H-VACK-PEB-R	Defit Adult HP AI VP Cat Asia Siddle Kit	4
DFR-H-VCK-PEB	Defit Adult HP VP Cat Shunt Kit	4
DFR-H-VCK-PEB-A	Defit Adult HP VP Cat ASD Shunt Kit	4
DFR-L-PEB	Defit Adult LowP Shunt	3
DFR-L-VACK-PEB	Defit Adult LowP AI VP Cat Shunt Kit	4
DFR-L-VACK-PEB-A	Defit Adult LowP AI VP Cat ASD Shunt Kit	4
DFR-L-VCK-PEB	Defit Adult LowP VP Cat ASD Shall NI	4
DFR-L-VCK-PEB-AS	Defit Adult LowP VP Cat ASD Shunt Kit	4
DFR-M-PEB	Defit Adult MP Shunt	3
DFR-M-VACK-PEB	Defit Adult MP AI VP Cat Shunt Kit	4
DFR-M-VACK-PFR-A	Defit Adult MP AI VP Cat ASD Shunt Kit	4
DFR-M-VCK-PEB	Defit Adult MP VP Cat A3D Shant Kit	4
DFR-M-VCK-PEB-A	Defit Adult MP VP Cat ASD Shunt Kit	4
DFR-M-VCK-PEB-R	Defit Adult MP VP Cat Shunt Kit -R	4
DFS-H-PEB	Defit Small HP Shunt	3
DFS-H-VACK-P-A	Defit Small HP AI VP Cat ASD Shunt Kit	4
DFS-H-VACK-PEB	Defit Small HP AI VP Cat Shunt Kit	4
DFS-H-VCK-PE-A	Defit Small HP VP Cat ASD Shunt Kit	4
DFS-H-VCK-PEB	Defit Small HP VP Cat Shunt Kit	4
DFS-L-PEB	Defit Small LowP Shunt	3
DFS-L-VACK-P-A	Defit Small LowP AI VP Cat ASD Shunt Kit	4
DFS-L-VACK-PEB	Defit Small LowP AI VP Cat Shunt Kit	4
DFS-L-VCK	Defit Small LowP VP Cat Shunt Kit	4
DFS-L-VCK-PE-A	Defit Small LowP VP Cat ASD Shunt Kit	4
DFS-L-VCK-PEB	Defit Small LowP VP Cat Shunt Kit	4
DFS-M-PEB	Defit Small MP Shunt	3
DFS-M-VACK-P-A	Defit Small MP AI VP Cat ASD Shunt Kit	4
DFS-M-VACK-PEB	Defit Small MP AI VP Cat Shunt Kit	4
DFS-M-VCK	Defit Small MP VP Cat Shunt Kit	4
DFS-M-VCK-PE-A	Defit Small MP VP Cat ASD Shunt Kit	4

Reference Code	Product Description	Page
DFS-M-VCK-PEB	Defit Small MP VP Cat Shunt Kit	4
DFS-M-VCK-PEB-R	Defit Small MP VP Cat Shunt Kit -R	4
DFUS-H-PEB	Defit Ultra Small HP Shunt	3
DFUS-H-VAC-P-A	Defit Ultra Small HP AI VP Cat ASD Shunt Kit	4
DFUS-H-VACK-PE	Defit Ultra Small HP AI VP Cat Shunt Kit	4
DFUS-H-VCK-P-A	Defit Ultra Small HP VP Cat ASD Shunt Kit	4
DFUS-H-VCK-PEB	Defit Ultra Small HP VP Cat Shunt Kit	4
DFUS-L-PEB	Defit Ultra Small LowP Shunt	3
DFUS-L-VAC-P-A	Defit Ultra Small LowP AI VP Cat ASD Shunt Kit	4
DFUS-L-VACK-PE	Defit Ultra Small LowP AI VP Cat Shunt Kit	4
DFUS-L-VCK-P-A	Defit Ultra Small LowP VP Cat ASD Shunt Kit	4
DFUS-L-VCK-PEB	Defit Ultra Small LowP VP Cat Shunt Kit	4
DFUS-M-PEB	Defit Ultra Small MP Shunt	3
DFUS-M-VAC-P-A	Defit Ultra Small MP AI VP Cat ASD Shunt Kit	4
DFUS-M-VACK-PE	Defit Ultra Small MP AI VP Cat Shunt Kit	4
DFUS-M-VCK-P-A	Defit Ultra Small MP VP Cat ASD Shunt Kit	4
DFUS-M-VCK-PEB	Defit Ultra Small MP VP Cat Shunt Kit	4
DFUS-M-VCK-PEB-R	Defit Ultra Small MP VP Cat Shunt Kit -R	4
DP-H	Depus HP Shunt	7
DP-H-VACK	Depus HP AI VP Cat Shunt Kit	8
DP-H-VCK	Depus HP VP Cat Shunt Kit	8
DP-L	Depus LowP Shunt	7
DP-L-VCK	Depus LowP VP Cat Shunt Kit	8
DP-M	Depus MP Shunt	7
DP-M-VACK	Depus MP AI VP Cat Shunt Kit	8
DP-M-VCK	Depus MP VP Cat Shunt Kit	8
LPDP-H-LPCK	Depus LP Shunt Lomb Cat Kit Tit Konek HP	9
LPDP-H-LTCK	DEPUS LP Shunt Lomb Cat Kit Tit Konek HP	9
LPDP-L-LPCK	DEPUS LP LowP Shunt Lomb Cat Kit Tit Konek DB	9
LPDP-L-LTCK	DEPUS LP LowP Shunt Lomb Cat Kit Tit Konek DB	9
LPDP-M-LPCK	DEPUS LP Shunt Lomb Cat Kit Tit Konek MP	9
LPDP-M-LTACK	DEPUS LP Shunt Al Lomb Cat Kit Tit Konek MP	9
LPDP-M-LTCK	DEPUS LP Shunt Lomb Cat Kit Tit Konek MP	9
DP-A-ADJKIT	Depus Adjustment Kit	11

Al: Antibiotic Impregnated

You can contact us to get information about the reference codes of the products on page 10.





Neurosurgical Drainage Systems

External Drainage Systems are used as a temporary solution to regulate the increased level of intracranial pressure on a regular and controlled basis by draining CSF from the ventricles or lumbar space.



External Ventricular Drainage System

With Ventricular Catheter

Barium Impregnated External Ventricular Drainage Catheter and Drainage System are combined to each other. System included with;

Barium Impregnated Standard Ventricular Catheter (ID 1,5 mm, OD 3,0 mm, L 31 cm) with;

- Stylet
- Fixation tab
- Luer Lock Connector and Distal Cap
- Angled Trocar

- 60 cm Reinforced Cord with Locking Mechanism
- 30 cm Measuring Chart to adjust the CSF pressure (mmHg / cmH₂O)
- 150 ml Drip Chamber
- 800 ml Drainage Bag with Air Filter
- Three Way Connector (x2)
- Hydrophobic Filter





External Ventricular Drainage System

With Antibiotic Impregnated Ventricular Catheter

Antibiotic Impregnated External Ventricular Drainage Catheter and Drainage System are combined to each other. System included with;

Antibiotic Impregnated Ventricular Catheter (ID 1,5 mm, OD 3,0 mm, L 31 cm) with;

- Stylet
- Fixation tab
- Luer Lock Connector and Distal Cap
- Angled Trocar

- 60 cm Reinforced Cord with Locking Mechanism
- 30 cm Measuring Chart to adjust the CSF pressure (mmHg / cmH₂O)
- 150 ml Drip Chamber
- 800 ml Drainage Bag with Air Filter
- Three Way Connector (x2)
- Hydrophobic Filter





External Lumbar Drainage System

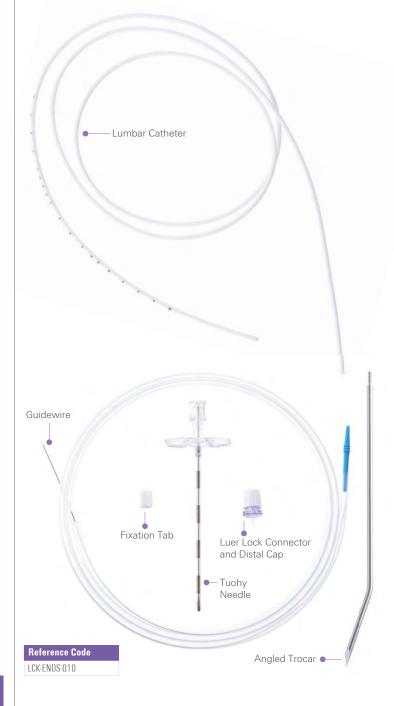
With Lumbar Catheter

Barium Impregnated External Lumbar Drainage Catheter and Drainage System are combined to each other. System included with;

Barium Impregnated Lumbar Catheter (ID 0,8 mm, OD 1,6 mm, L 80 cm) with;

- Fixation Tab
- Luer Lock Connector
- Angled Trocar
- 14G Tuohy Needle
- Guidewire

- 60 cm Reinforced Cord with Locking Mechanism
- 30 cm Measuring Chart to adjust the CSF pressure (mmHg / cmH₂O)
- 150 ml Drip Chamber
- 800 ml Drainage Bag with Air Filter
- Three Way Connector (x2)
- Hydrophobic Filter





External Lumbar Drainage System

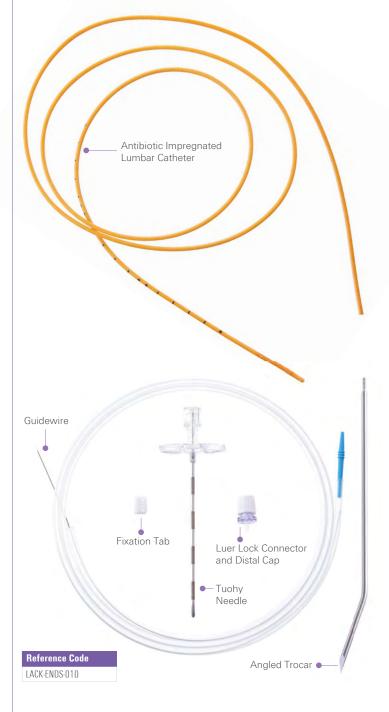
With Antibiotic Impregnated Lumbar Catheter

Antibiotic Impregnated External Lumbar Drainage Catheter and Drainage System are combined to each other. System included with;

Antibiotic Impregnated Lumbar Catheter (ID 0,8 mm, OD 1,6 mm, L 80 cm) with;

- Fixation Tab
- Luer Lock Connector
- Angled Trocar
- 14G Tuohy Needle
- Guidewire

- 60 cm Reinforced Cord with Locking Mechanism
- 30 cm Measuring Chart to adjust the CSF pressure (mmHg / cmH₂O)
- 150 ml Drip Chamber
- 800 ml Drainage Bag with Air Filter
- Three Way Connector (x2)
- Hydrophobic Filter





PRODUCT REFERENCES

Reference Code	Product Description	Page
ENDS-C-010	External Ventricular Drainage System with Ventricular Catheter	15
ENDS-AC-010	External Ventricular Drainage System with Al Ventricular Catheter	16
LCK-ENDS-010	External Lumbar Drainage System with Lumbar Catheter	17
LACK-ENDS-010	External Lumbar Drainage System with Al Lumbar Catheter	18

Al: Antibiotic Impregnated



Ventricular Catheter Kit

Catheters are made of barium silicon material. Tantalum length markings are located on the catheter in each centimeter from the 5th centimeter of the catheter to 15th. At the proximal end of the catheter, there are 6 drainage holes along 4 rows.

Ventricular Catheters are also available with an antibiotic-impregnated option. Clindamycin HCl and Rifampicin, which are impregnated on the catheters, are released in a controlled manner for 28 days.

Ventricular Catheter Kit included with; Ventricular Catheter (ID:1,3 mm OD:2,5 mm L:23 cm) Stylet Right Angled Connector Antibiotic Impregnated • Barium Impregnated Ventricular Catheter Standard Ventricular Catheter Right Angled • Connector

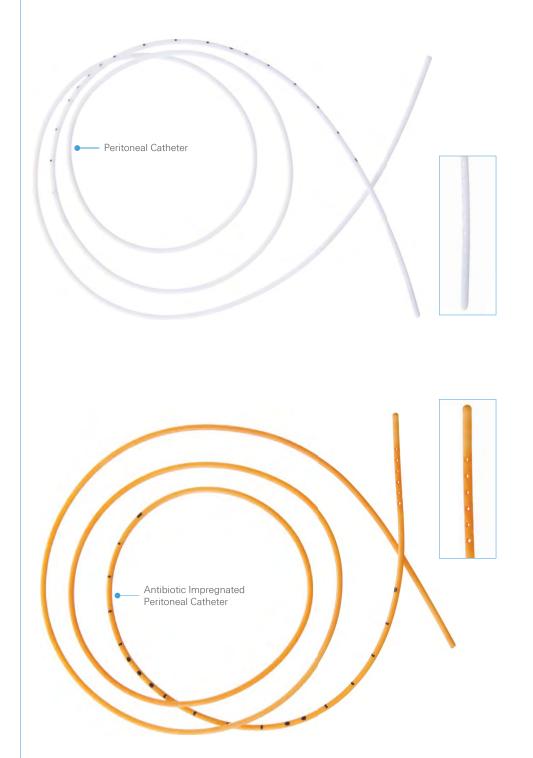
Peritoneal Catheter Kit

Peritoneal Catheters are made of barium silicon material. Tantalum length markings are located on the catheter in each centimeter from the 5th centimeter of the catheter to 20th. At the proximal end of the catheter, there are 6 drainage holes along 4 rows.

Peritoneal Catheters are also available with an antibiotic-impregnated option. Clindamycin HCl and Rifampicin, which are impregnated on the catheters, are released in a controlled manner for 28 days.

Peritoneal Catheter Kit included with;

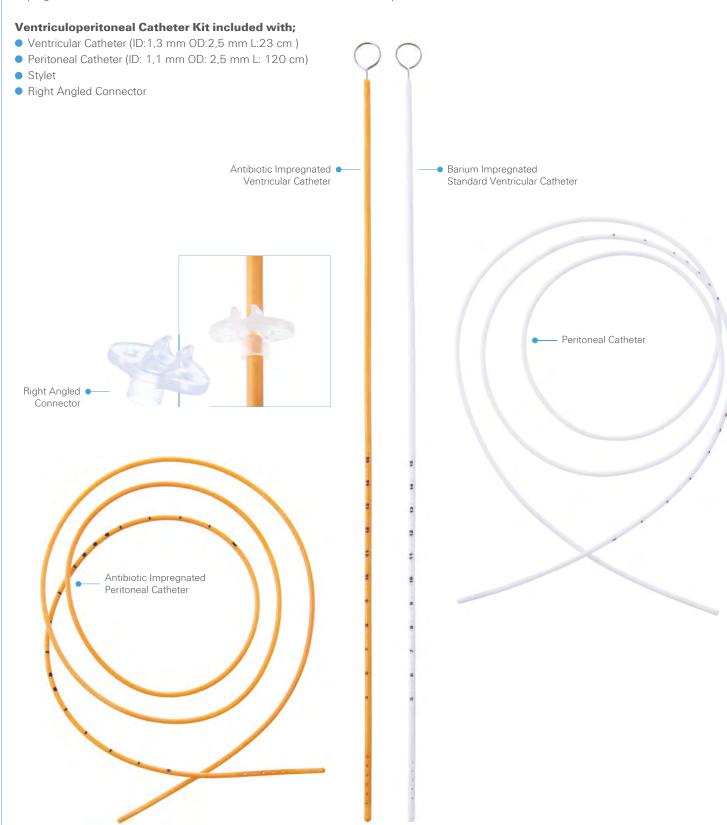
Perioneal Catheter (ID:1,1 mm OD:2,5 mm L:120 cm)



Ventriculoperitoneal Catheter Kit

Ventriculoperitoneal Catheters are made of barium silicon material. Tantalum length markings are located on the Ventricular Catheter in each centimeter from the 5th centimeter of the catheter to 15th, on the Peritoneal Catheter in each centimeter from the 5th centimeter of the catheter to 20th. The 24 drainage holes are located at the proximal end of the catheter as 6 drainage holes along 4 rows.

Ventriculoperitoneal Catheters are also available with an antibiotic-impregnated option. Clindamycin HCl and Rifampicin, which are impregnated on the catheters, are released in a controlled manner for 28 days.

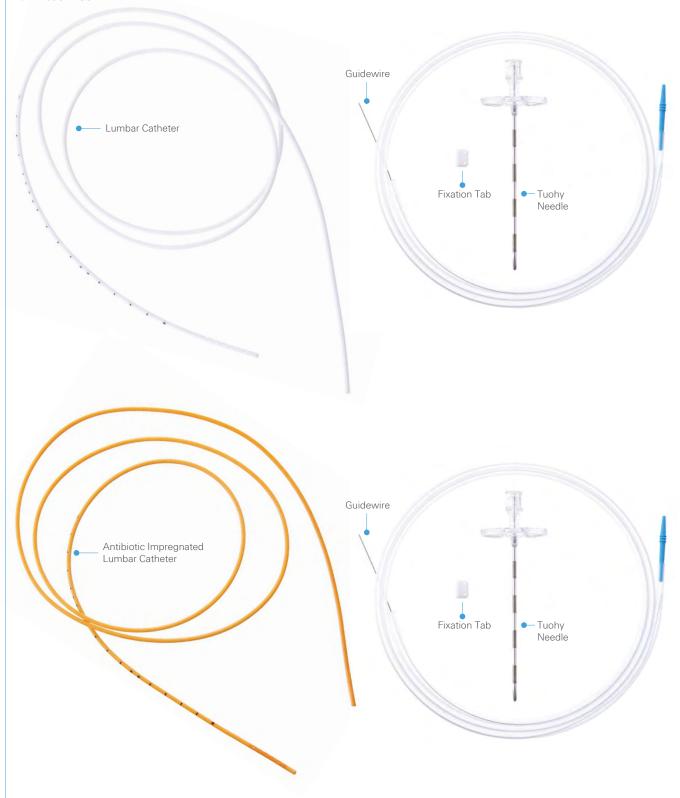


Lumbar Catheter Kit

Lumbar catheters are made of barium silicon material. Tantalum length markings are located on the catheter in each centimeter from the 5th centimeter of the catheter to 20th. The 24 drainage holes are located at the proximal end of the catheter as 6 drainage holes along 4 rows.

Lumbar Catheter included with;

- Lumbar Catheter (ID: 0,8 mm OD: 1,6 mm L: 100 cm)
- 14G Tuohy Needle
- Guidewire
- Fixation Tab

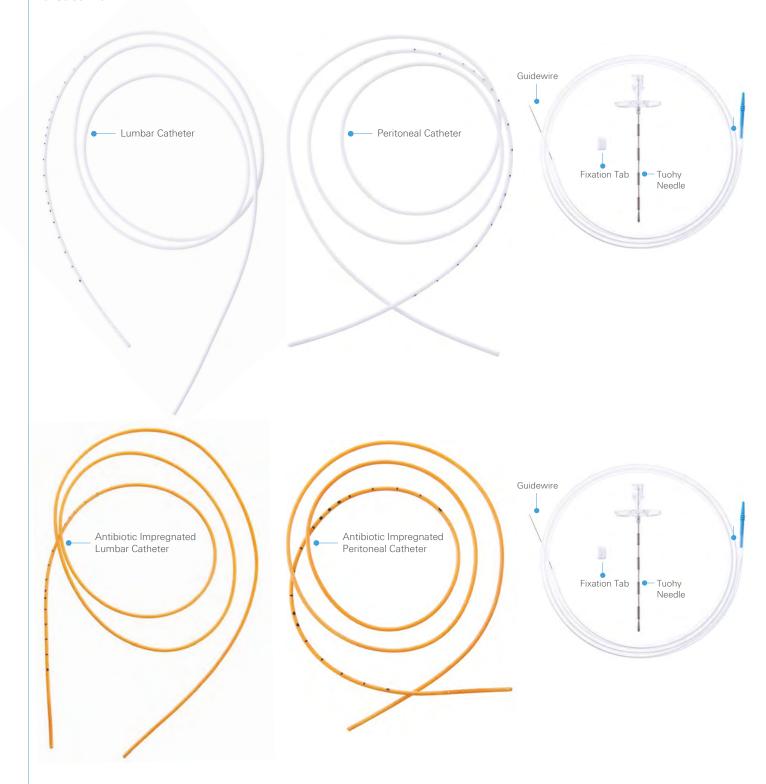


Lumboperitoneal Catheter Kit

Lumboperitoneal Catheters are made of barium silicon material. Tantalum length markings are located on the Lumbar Catheter in each centimeter from the 5th centimeter of the catheter to 20th, on the Peritoneal Catheter in each centimeter from the 5th centimeter of the catheter to 20th. The 24 drainage holes are located at the proximal end of the catheter as 6 drainage holes along 4 rows.

Lumboperitoneal Catheter Kit included with;

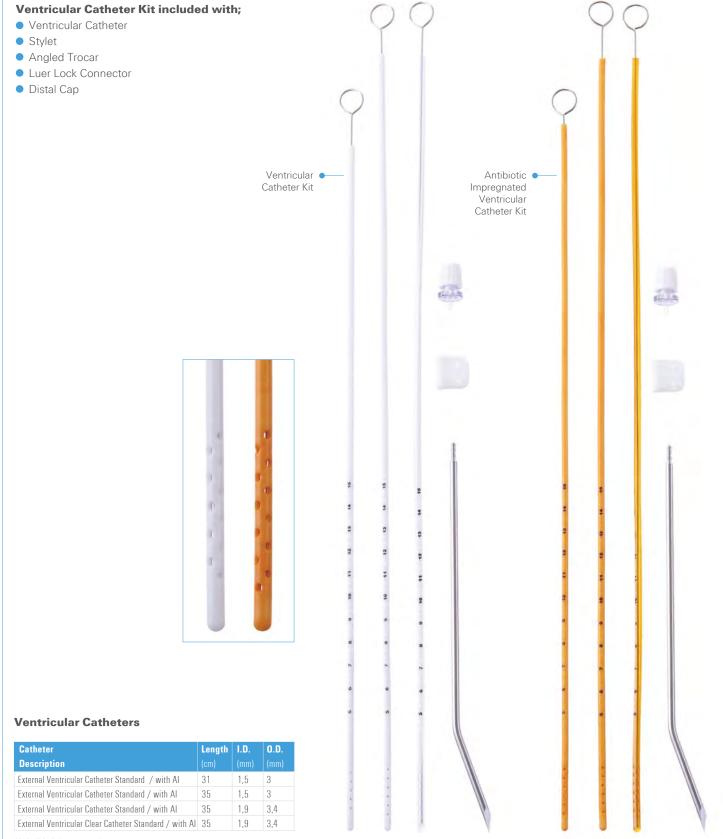
- Lumbar Catheter (ID: 0,8 mm OD: 1,6 mm L: 100 cm)
- Peritoneal Catheter (ID: 1,1 mm OD: 2,5mm L: 120cm)
- 14G Tuohy Needle
- Guidewire



Ventricular Catheter Kit

Catheters are made of barium silicon material. Tantalum length markings are located on the Lumbar Catheter in each centimeter from the 5th centimeter of the catheter to 15th. The 24 drainage holes are located at the proximal end of the catheter as 6 drainage holes along 4 rows.

Ventricular Catheters are also available with an antibiotic-impregnated option. Clindamycin HCl and Rifampicin, which are impregnated on the catheters, are released in a controlled manner for 28 days.



Lumbar Catheter Kit

Lumbar Catheters are made of barium silicon material. Tantalum length markings are located on the catheter in each centimeter from the 5th centimeter of the catheter to 20th. The 24 drainage holes are located at the proximal end of the catheter as 6 drainage holes along 4 rows.

Lumbar Catheters are also available with an antibiotic-impregnated option. Clindamycin HCl and Rifampicin, which are impregnated on the catheters, are released in a controlled manner for 28 days.

Lumbar Catheter Kit included with;

- Lumbar Catheter (ID: 0,8 mm OD: 1,6 mm L: 80 cm)
- Tuohy Needle
- Guidewire
- Angled Trocar
- Luer Lock Connector
- Fixation Tab

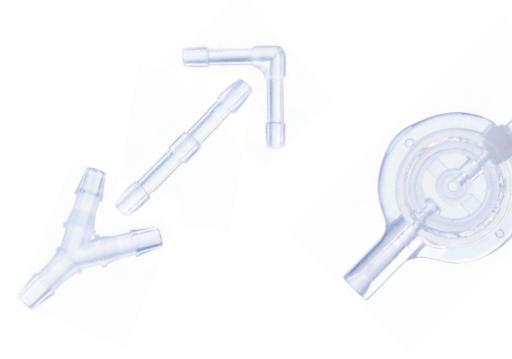


Reference Code	Product Description	Page
SVCK	Ventricular Catheter	21
ASVCK	Al Ventricular Catheter	21
SPCK	Peritoneal Catheter	22
ASPCK	Al Peritoneal Catheter	22
SVPCK	Ventriculoperitoneal Catheter	23
ASVPCK	Al Ventriculoperitoneal Catheter	23
LPCKK	Lumboperitoneal Catheter Kit	24
LPACK-16081000	Al Lumbaperitoneal Catheter (ID:0.8 OD:1.6 mm L:100 cm)	24
LPCK	Lumbar Catheter	25
LPACK	Al Lumbar Catheter	25
EVDCK-1530310	External Ventricular Drainage Catheter (ID:1.5 0D:3.0 mm L:31 cm)	26
EVDACK-1530310	Al External Ventricular Drainage Catheter (ID:1.5 OD:3.0 mm L:31 cm)	26
EVDACK-1530350	Al External Ventricular Drainage Catheter (ID:1.5 OD:3.0 mm L:35 cm)	26
EVDACKS-1934350	Al External Ventricular Drainage Catheter (ID:1.9 OD:3.4 mm L:35 cm)	26
EVDCACK-1934350	Al External Ventricular Drainage Catheter (ID:1.9 OD:3.4 mm L:35 cm)	26
ELCK	External Lumbar Catheter	27
ELACK-1608800	Al External Lumbar Catheter	27

Al: Antibiotic Impregnated



Neurosurgical Product Accessories



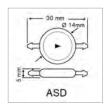


Antisiphon Device

Antisiphon device is used to avoid from siphon effect that may occur when the peritoneal catheter turn to vertical position from horizontal during the drainage or shunting of the cerebrospinal fluid.

The basic principle is to create an immediate closure effect to prevent excess drainage when the siphon effect occurs.





Straight Catheter Connector

It is a subsidiary accessory used to connect different catheter parts during surgery when needed.



L Type Catheter Connector

It is a subsidiary accessory used to guide the Ventricular / Peritoneal Catheter when needed without causing kinking and clogging, also to connect different catheter parts together during surgery.



Y Type Catheter Connector

It is a subsidiary accessory used to combine two shunts with a peritoneal catheter if needed, also provide output for two peritoneal catheters from a shunt, or to provide two ventricular catheter input into a shunt.



Reference Code	Product Description
ASD	Antisifon Device
PPCCO	Straight Catheter Connector
PPRAC	L Type Catheter Connector
PP3WCC0	Y Type (3-way) Catheter Connector





Dura Grafts

DECOLL

Collagen Dura Membrane

DURASHEET

Collagen Dura Membrane

COLLOS

Collagen Membrane



DECOLL Collagen Dura Membrane

Decoll is designed for the substitute of a dura when repairing the defects on the dura mater.

- It is a collagen barrier produced from ultra pure type-1 bovine collagen (contains > 95.5 % type-1 collagen)
- Collagen-based, biodegradable to assist in fast healing
- Usable for various CSF pressure levels so it can be applied to a wide variety of cases
- Prevent the leakage a lot better than existing devices due to its impermeable pore stracture
- It can be used as onlay
- Sterilized with Gamma
- A ready-to-use product that does not require pre-processing
- It can be used to treat dural defects due to surgical operations such as spinal tumor, trauma meningocele, myelomeningocele and lipoma





• DECOLL Collagen Dura Membrane

Designed in various dimensions and are available to use in different size dural and spinal defects.

Reference Code	Product Description
DCL2525	DECOLL Collagen Dura Membrane 2.5x2.5 cm
DCL5050	DECOLL Collagen Dura Membrane 5x5 cm
DCL7575	DECOLL Collagen Dura Membrane 7.5x7.5 cm
DCL100100	DECOLL Collagen Dura Membrane 10x10 cm









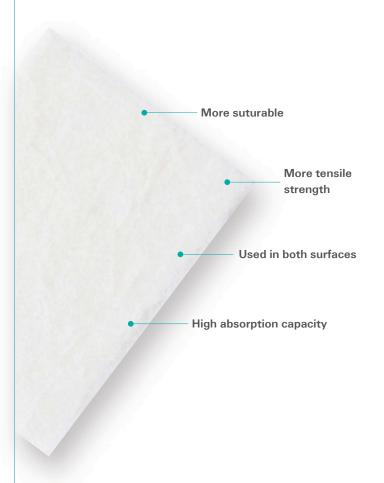
• Both surfaces can be used as wet or dry

DURASHEET Collagen Dura Membrane

Durasheet is designed for the substitute of a dura when repairing the defects on the dura mater.

- It is a collagen barrier produced from ultra pure type-1 bovine collagen (contains > 95.5 % type-1 collagen)
- Collagen-based, biodegradable to assist in fast healing
- Usable for various CSF pressure levels so it can be applied to a wide variety of cases
- Prevent the leakage a lot better than existing devices due to its impermeable pore stracture
- It can be used as onlay
- Sterilized with Gamma
- A ready-to-use product that does not require pre-processing
- It can be used to treat dural defects due to surgical operations such as spinal tumor, trauma meningocele, myelomeningocele and lipoma

Highlights of DURASHEET:





Designed in various dimensions and are available to use in different size dural and spinal defects.

Reference Code	Product Description
DRS2525	DURASHEET Collagen Dura Membrane 2.5x2.5 cm
DRS5050	DURASHEET Collagen Dura Membrane 5x5 cm
DRS7575	DURASHEET Collagen Dura Membrane 7.5x7.5 cm
DRS100100	DURASHEET Collagen Dura Membrane 10x10 cm









• Both surfaces can be used as wet or dry

COLLOS Collagen Membrane

COLLOS is designed for the substitute of a membrane when repairing the defects.

- It is a collagen barrier produced from ultra pure type-1 bovine collagen (contains > 95.5 % type-1 collagen)
- Collagen-based, biodegradable to assist in fast healing
- Usable for various CSF pressure levels so it can be applied to a wide variety of cases
- Prevent the leakage a lot better than existing devices due to its impermeable pore stracture
- It can be used as onlay
- Sterilized with Gamma
- A ready-to-use product that does not require pre-processing
- It can be used to treat dural defects due to surgical operations such as spinal tumor, trauma meningocele, myelomeningocele and lipoma





• COLLOS Collagen Membrane

Designed in various dimensions and are available to use in different size dural and spinal defects.

Reference Code	Product Description
CLS2525	Collagen Dura Membrane 2.5x2.5 cm
CLS5050	Collagen Dura Membrane 5x5 cm
CLS7575	Collagen Dura Membrane 7.5x7.5 cm
CLS100100	Collagen Dura Membrane 10x10 cm



• Both surfaces can be used as wet or dry



Collagen Based Bone Grafts

DEBONE

Collagen Based Bone Graft

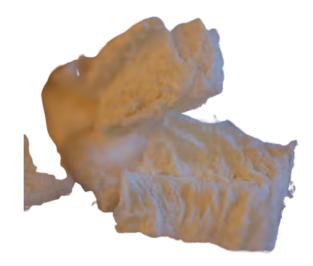
XENOBONE

Collagen Based Animal Origin Bone Graft



DEBONE Collagen Based Bone Graft

- DEBONE consists of Type 1 bovine collagen.
- B-TCP is added.
- bioabsorbable
- It is an osteoconductive bone matrix containing more than 95% collagen.
- Supports osteinductive properties thanks to type-1 collagen molecules in its structure,
- Creates a growth matrix for osteoblasts
- Contributes to bone development.
- Used to help repair all bone defects
- It is designed in two different forms as granule and sponge to adapt to different bone defects.



DEBONE Collagen Based Bone Graft Matrix - Granule / Spongy-Granule	DBN-0715W-5CC DBN-23W-5CC DBNG-5C-D03 DBNG-5C-D04	5 cc / 0.7-1.5 mm 5 cc / 2-3 mm 5 cc / 4-5 mm 5 cc / 6-7 mm
DEBONE Collagen Based Bone Graft Matrix - Granule / Spongy-Granule	DBN-0715W-10CC DBN-23W-10CC DBNG-10C-D03 DBNG-10C-D04	10 cc / 0.7-1.5 mm 10 cc / 2-3 mm 10 cc / 4-5 mm 10 cc / 6-7 mm
DEBONE Collagen Based Bone Graft Matrix - Granule / Spongy-Granule	DBN-0715W-15CC DBN-23W-15CC DBNG-15C-D03 DBNG-15C-D04	15 cc / 0.7-1.5 mm 15 cc / 2-3 mm 15 cc / 4-5 mm 15 cc / 6-7 mm
DEBONE Collagen Based Bone Graft Matrix - Granule / Spongy-Granule	DBN-0715W-20CC DBN-23W-20CC DBNG-20C-D03 DBNG-20C-D04	20 cc / 0.7-1.5 mm 20 cc / 2-3 mm 20 cc / 4-5 mm 20 cc / 6-7 mm
DEBONE Collagen Based Bone Graft Matrix - Granule / Spongy-Granule	DBN-0715W30CC DBN-23W-30CC DBNG-35C-D03 DBNG-35C-D04	30 cc / 0.7-1.5 mm 30 cc / 2-3 mm 30 cc / 4-5 mm 30 cc / 6-7 mm



XENOBONE Collagen Based Animal Origin Bone Graft

It is a B-TCP supplemented, bioabsorbable osteoconductive bone matrix consisting of Xenobone type-1 bovine collagen and containing more than 95% collagen. Thanks to the type-1 collagen molecules in its structure, it supports osteinductive properties, creates a growth matrix for osteoblasts and contributes to bone development.





Packing of 1 cc or 5x1 cc vial bottles

Reference Code	Product Description
XBN-0715W-5CC	Collagen Based Animal Derived Bone Graft 0,7 - 1,5mm
XBN-23W-5CC	Collagen Based Animal Derived Bone Graft 2-3mm
XBN-45W-5CC	Collagen Based Animal Derived Bone Graft 4-5mm



Bone Cements

DEFIX

Standard

DEFIX

Vertebroplasty

DEFIX

Cranioplasty

ICP

KIBO

Intracranial Pressure Monitoring



DeFix Bone Cement

DeFix® is a Radiopaque, PMMA-based bone cement with antibiotic or standard variants. It is used in a wide variety of medical procedures, such as joint replacements or cataract surgeries in the eyes.

While the prosthetic bonds the joint and bone together, it remains flexible enough to allow movement and absorb forces acting on the body. It is also used to reshape lost bone and fill gaps in bones.

DeFix® VertobroplastyBone Cement

Standard/Antibiotic

Defix® VertobropastyBone Cement is indicated for fixation of pathological fractures of the vertebral body (vertebroplasty and kyphoplasty). Defix® VertobropastyBone Cement is indicated for fixation of pathological fractures of the vertebral body (vertebroplasty and kyphoplasty).

- Easy to use
- Biocompatible

High radio-opacity

· Appropriate working time

Cranioplasty Bone Cement

Standard/ Antibiotic

Poly-methyl-methacrylate (PMMA) is the most widely used biomaterial for cranioplasty.

The product has two main components: liquid monomer and powdered polymer.

The powder contains PMMA with dibenzoyl peroxide, a barium sulfate radiopacifier, and gentamicin as an antibiotic.

PRODUCT	REFERENCE CODE	CONTENT
DEFIX Standard Bone Cement	DeFix SM40	40 gr / Standard
DEFIX Standard Bone Cement	DeFix SM60	60 gr / Standard
DEFIX Standard Bone Cement	DeFix SAM40	40 gr / with Antibiotic
DEFIX Standard Bone Cement	DeFix SAM60	60 gr / with Antibiotic
DEFIX Vertebroplasty Bone Cement	DeFix SH20	20 gr / Standard
DEFIX Vertebroplasty Bone Cement	DeFix SH40	40 gr / Standard
DEFIX Cranioplasty Bone Cement	DeFix SL20	20 gr / Standard
DEFIX Cranioplasty Bone Cement	DeFix SL40	40 gr / Standard





Kibo® Intracranial Pressure Monitoring System

CThe Linacol® Intracranial Pressure Measurement Kit is used when an increase or decrease in intracranial pressure needs to be observed.

KIBO® is a kit that digitally measures intracranial pressure values.

KIBO® is used with a digital measuring device and measuring sensor.

Simple installation process,
High accuracy and reliability with laser pointer,
digital view,
Monitoring the intracranial pressure values in cm H20 unit.







