




NEUROMEDEX®



Ventricular Drainages		Low Vacuum Drainages	
VentrEX® EVD-Concept	8	NeuroVac ^{Pro}	40
VentrEX® Complete EVD-System	10	NeuroVac	44
VentrEX® EVD-System	12		
VentrEX® EVD-Stand	14	OR-Accessories	
		Micro Suction Cannula	50
Ventricular and Lumbar Catheters		Mediloops	52
VentriGuard® Technology	18	Suture Booties	54
VentriGuard® Ventricular Catheter	20	Medipaws	54
VentriGuard® Lumbar Catheter	22	Neuro PEN	55
Silicone Ventricular Catheter	24	Cautery Tip Cleaner	55
Silicone Lumbar Catheter	26		
VentriClear® Ventricular Catheter	28	Thermolesion Cannulas	
		RF Thermolesion Cannula	58
Brain Biopsy Cannulas		RF Thermolesion Electrode	60
Navigable BBC Brain Biopsy Cannula	32		
Navigation Marker	34		
Stereotactic Brain Biopsy Cannula	36		



Neurosurgical Single-Use Products

Handcrafted single-use medical products that meet the highest demands – for over a decade, that is what the Neuromedex name has stood for. Many years of experience and extensive know-how make Neuromedex the innovative specialist in ventricular drains and single-use products, which are used in the areas of neurosurgery, intensive care and nursing.

The highest possible patient safety and user orientation – these are the guiding principles we follow while designing and developing all Neuromedex products that will be used in neurosurgical diagnostics and therapy. In addition, it is also important to meet the highest standards of precision while manufacturing these products to ensure minimal trauma and optimal protection against infection.

All Neuromedex product solutions are manufactured in our cleanrooms in Germany with the utmost care and attentiveness and under strict safety criteria, whether they are complex system solutions for external drainage of cerebrospinal fluid, interventional pain therapy products, developments in the high-tech field of neuronavigation or a range of ancillary medical products for OR and intensive care units.

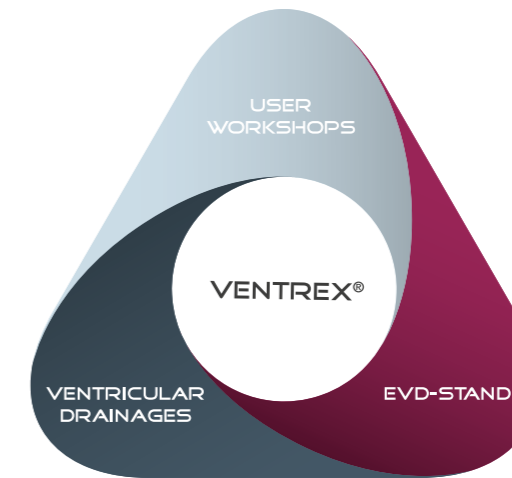




VentrEX® EVD-Concept

minimizing risk factors – systematically
three pillars for a new standard of patient safety

When it comes to ventricular drainage, three main risk factors jeopardize the patient's safety: drainage-associated infection risks, blocked bacterial filters and user errors. With these in mind, NEUROMEDEX has developed the VentrEX ventricular drainage system. This all-round concept is based on three pillars:



Hygiene and ease-of-use optimized drainage system – preventing bacterial infection and operating errors

From the cerebrospinal fluid repellent chamber filter, making system occlusion a thing of the past, to the antimicrobial VentrGuard technology – the drainage system delivers holistic patient protection.

Intelligent stand – for precise and efficient drainage operation

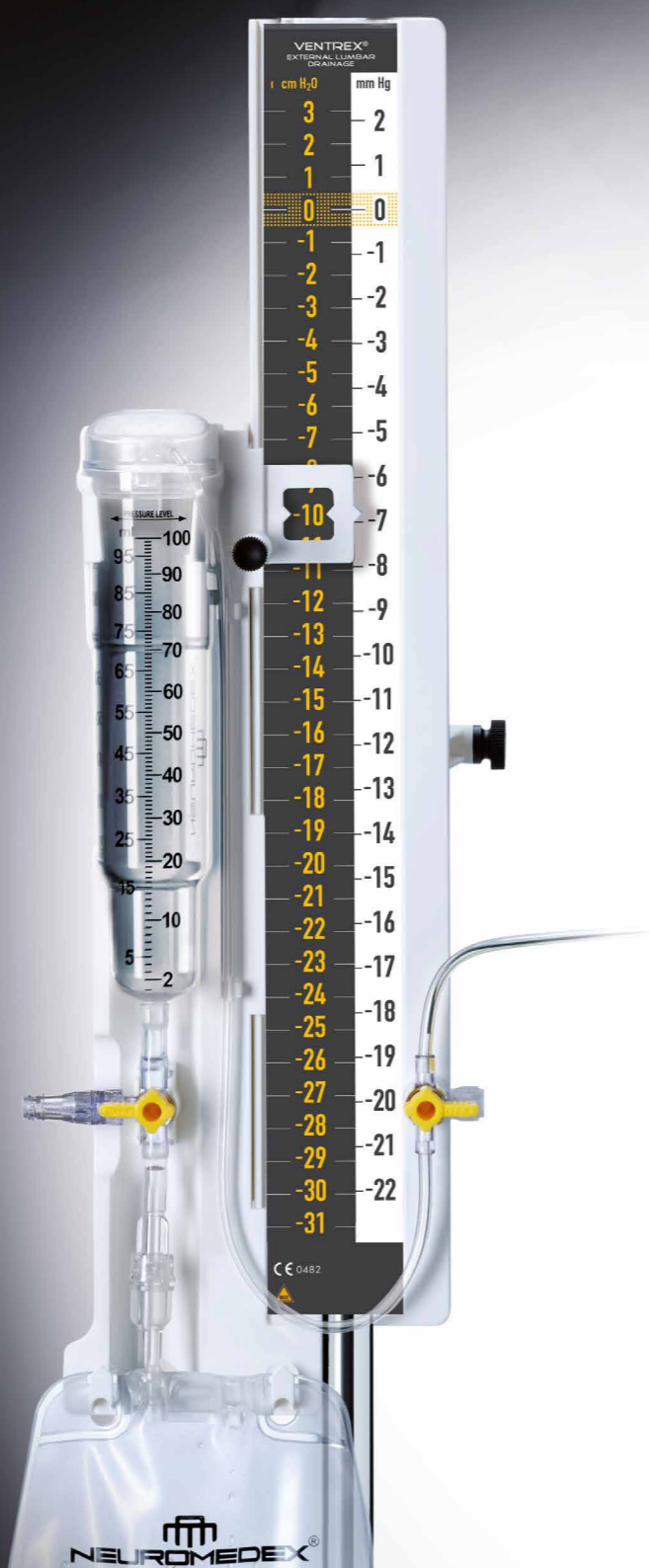
Modular structure, adaptable to all kinds of different patient beds and hospital requirements, laser pointers for simple and accurate height adjustment and much more – the intelligent stand saves both time and effort while ensuring safe operation.

Regular training – to prevent user errors

The better staff is trained, the fewer operating errors occur – and the safer is the patient's treatment. As a consequence, we offer regular and practice-oriented training courses to all NEUROMEDEX clients.

VentrEX® Complete EVD-System

- Complete and ready-to-use**
 Smart design, clear arrangement and user friendliness guarantee safe and efficient operation. As the whole device comes pre-assembled, it can be set up right away
- Steady and safe installation**
 For maximum patient safety: Attaching the non-slip mount to the IV pole rules out any unintentional height changes of the drainage system. Optionally, it can be attached via a height-adjustable cord
- Laser pointer for setting the drainage's height**
 To save time and effort when setting the drainage's height while simultaneously enabling maximum accuracy and safety, the device can optionally be equipped with a laser pointer



VentrEX® Complete EVD-System

combining versatility and user-friendliness

Coming with the VentrEX EVD System and a disposable stand, VentrEX Complete is the perfect solution for ventricular or lumbar drainage. Its wide range of smart features, clearly arranged components and easy-to-read scale guarantees intuitive handling at maximum safety.

VentrEX® Complete – External Ventricular Drainage (EVD)

Ref. No.	Description	Anti-Reflux Valve	Transducer Stopcock	Pressure scales mm Hg / H ₂ O	Packaging Unit
58-00010	VentrEX® Complete EVD-system incl. Disposable stand	no	yes	-2 to 22 / -3 to 30	1 ea/box
58-00110	VentrEX® Complete EVD-system incl. Disposable stand	yes	yes	-2 to 22 / -3 to 30	1 ea/box

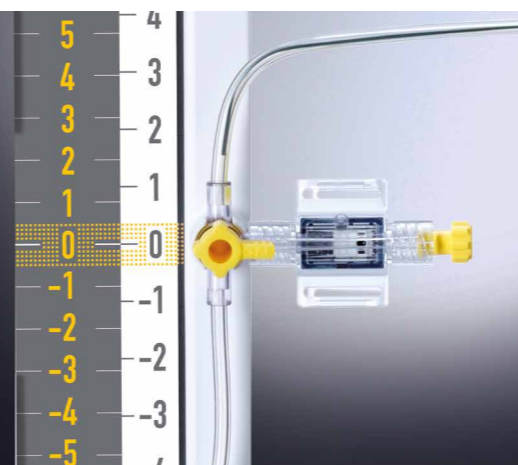
VentrEX® Complete – External Lumbar Drainage (ELD)

Ref. No.	Description	Anti-Reflux Valve	Transducer Stopcock	Pressure scales mm Hg / H ₂ O	Packaging Unit
58-00010L	VentrEX® Complete External Lumbar Drainage	no	yes	-22 to 2 / -31 to 3	1 ea/box

VentrEX® Accessories

Ref. No.	Description	Packaging Unit
59-0000	Replacement EVD drainage bag, 700cc, with large-bore connector	10 ea/box
59-0002	Additional injection port	10 ea/box

Optional integration of external pressure transducers



Large, easy to read pressure scales



VentrEX® EVD-System

- Cerebrospinal fluid repellent chamber filter**
 Repels not only water, but also cerebrospinal fluid: even after being in horizontal position for an extended period of time, for example during transport, clogging is avoided
- Transparent components**
 Everything is made of transparent materials, allowing users to easily monitor the system at all times
- Finely graduated scale**
 Allows precise measurement of the cerebrospinal fluid's amount and quality – even when dealing with small drainage volumes
- Large-lumen, color-coded components**
 The possibility of system occlusion by bloody cerebrospinal fluid is minimized – as well as the danger of confusion between venous or arterial components in the vicinity of the patient



VentrEX® EVD-System

improving safety and functionality on all levels

The new VentrEX® ventricular drainage system – developed together with neurosurgeons and nursing staff – serves to reduce and control intracranial pressure. The system offers new opportunities in infection prophylaxis under conditions that optimally combine patient protection and cost-effectiveness.

External Ventricular Drainage

Ref. No.	Description	Anti-Reflux Valve	Transducer Stopcock	Packaging Unit
57-00110	VentrEX® EVD-system – single pack	yes	yes	1 ea/box
57-00111	VentrEX® EVD-system – bulk pack	yes	yes	10 ea/box
57-00011	VentrEX® EVD-system – bulk pack	no	yes	10 ea/box

Ventricular Drainage Set

Ref. No.	Description	EVD-System	Ventricular Catheter	Size	Packaging Unit
57-01110	OR EVD Set Content: VentrEX® EVD system and VentrGuard ventricular catheter 10F	57-00110	60-0010	10 F	1 ea/box
57-02110	OR EVD Set Content: VentrEX® EVD system and VentrGuard ventricular catheter 8.5F	57-00110	60-0200	8.5 F	1 ea/box

VentrEX® Accessories

Ref. No.	Description	Packaging Unit
59-0000	Replacement EVD drainage bag, 700cc, with large-bore connector	10 ea/box
59-0001	Additional bacteria filter	10 ea/box
59-0002	Additional injection port	10 ea/box

Cerebrospinal fluid repellent chamber filter



Finely graduated scale



VentrEX® EVD-Stand

- Automatic adjustment to height changes
One-time installation suffices, as the stand automatically follows every change of height – all parameters set before, remain untouched
- Modular structure
The stand can be adjusted flexibly to the requirements of all kinds of hospital beds
- Integrated laser pointer
Saves time and effort when setting the drainage's height – while enabling maximum accuracy and safety at the same time
- Compatible with all standard transducers
All standard transducers for ICP measurement can be accurately installed



VentrEX® EVD-Stand

for safe mounting of ventricular drainage

Any CSF drainage needs reliable constants, such as maximum ICP, zero point of the transducer and determination of the foramen of Monro position. The stationary support system keeps all initial adjustments constant – even when the headrest is moved. No need for complicated re-adjustment – a great relief especially for intensive care units.

How innovation can yield new practical advantages becomes apparent in the height adjustment to the foramen of Monro level – with a laser pointer that ensures quick and precise positioning. And to further improve the ergonomic and economic qualities, an adaptor lets you flexibly integrate a pressure transducer into the support system. Another flexible feature: the modular, long-lasting support system can be mounted onto almost any intensive care bed.

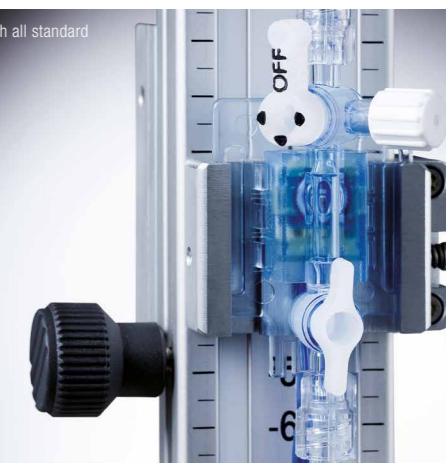
VentrEX® EVD-Stand

Ref. No.	Description	Content	Packaging Unit
N-01B124	Stand type 1	measuring scale, adjustment mechanism, standard fixation clamp, transducer adaptor plate, reference pointer and VentrEX® burette holder	1 ea/box
N-00H124	Stand type 2	measuring scale, fixation clamp for the infusion stand, transducer adaptor plate, reference pointer and VentrEX® burette holder	1 ea/box
N-10H124	Stand type 3	long measuring scale (for ventricular and lumbar drainage), fixation clamp for the infusion stand, transducer adaptor plate, reference pointer and VentrEX® burette holder	1 ea/box

Laser pointer



Compatible with all standard transducers







VentriGuard®

the VentriGuard® hygiene module for advanced safety

Thanks to its advanced technology, VentriGuard® catheters offer increased patient protection from catheter-associated infections.

To control pathogenic germs, VentriGuard® technology utilizes minimal amounts of ionized silver, completely incorporated in a non-metallic porous molecular structure. The oligodynamic effect of silver against gram-positive as well as gram-negative bacteria has been impressively verified in specialist literature.

The quadruple effect of VentriGuard®:

- 1. It affects the bacterial cell's functional and structural proteins:**
Cell integrity and proliferation are reduced.
- 2. The bacterial cell wall is changed structurally:**
The cell wall's strength and functionality decrease and the bacterium loses its protection.
- 3. Attacks the cell membrane, releasing potassium and sodium ions:**
The resulting electrolytic imbalance causes the dieback of the cell.
- 4. Binding to the functional proteins:**
The cell metabolism is blocked.

VentriGuard® Ventricular Catheter

- Precise catheter positioning in the ventricle
- Material colonisation by antibiotic-resistant bacteria is decreased
- Catheter connector
safe connection and skin fixation due to application- focused product design
- Verified biocompatibility
- Long-term properties against bacterial colonisation (up to 28 days)



VentriGuard® Ventricular Catheter

for temporary ventricular drainage with minimal risk of infection

The VentriGuard® ventricular catheter meets all neurosurgical requirements for temporary CSF drainage and constitutes an effective element for infection prophylaxis.

It offers further application benefits for the surgeon, being equipped with length markings in intervals of 1 cm and a mandrin reaching all the way to the tip of the catheter – thus enabling simple and precise catheter placement. Catheter dislocation is prevented with the option of fixing the connector directly onto the scalp.

VentriGuard® Ventricular Catheter

Ref. No	Length	Size	Perforation	I.D. / O.D.	Packaging Unit
60-0200	30 cm	8.5 F	standard	1.6 mm / 2.8 mm	1 ea/box
60-0214	10 cm	8.5 F	large	1.6 mm / 2.8 mm	1 ea/box
60-0010	30 cm	10 F	large	1.9 mm / 3.3 mm	1 ea/box

Accessories

Ref. No.	Description	Packaging Unit
59-0005	EVD-connector for ventricular catheter 7 F, 8.5 F und 9 F	10 ea/box
59-0007	EVD-connector for ventricular catheter 10 F	10 ea/box

Length markings in 1 cm intervals

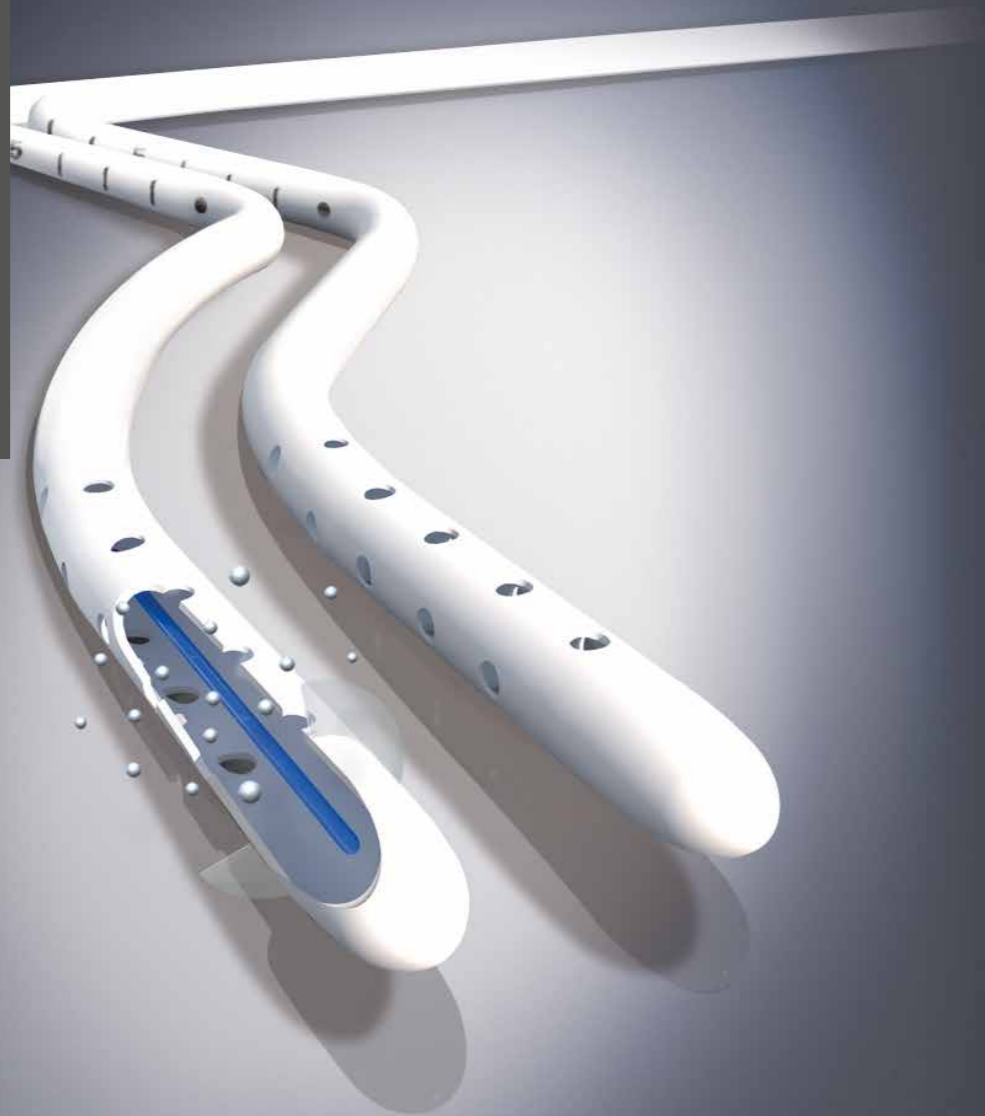


Catheter connector with wings for safe fixation onto the scalp



VentriGuard® Lumbar Catheter

- Precise positioning in the spinal canal due to the extra-long Tuohy cannula with length markings
- Long retention time without traumatising the patient
soft, non-kinking catheter material
- Catheter connector
safe connection and skin fixation due to application-focused product design
- Hydrophilized guide wire
makes the removal of the guide wire easier and avoids any catheter dislocation
- Long-term properties against bacterial colonisation (up to 28 days)



VentriGuard® Lumbar Catheter

lumbar drainage with all-round protection

The catheter is designed for temporary external lumbar drainage. It optimises the innovative VentriGuard® product concept for protection against catheter-associated infection.

As a solution for controlling pathogenic germs, VentriGuard® technology uses very small amounts of ionised silver, which is fully integrated in a non-metal porous molecular structure. The antimicrobial effect of silver, both against gram-positive and gram-negative bacteria, has been impressively verified in specialist literature. After the catheter has been placed, the hydrophilic guide wire can easily be removed. The patient safety is increased as any catheter dislocation is avoided. In addition, the length markings make precise positioning and subsequent checking of the position easier.

Lumbar Catheter

Ref. No.	Description	Guide wire	Length	I.D. / O.D.	Packaging Unit
63-0400	VentriGuard lumbar catheter 4.5 F with a hydrophilic guide wire, catheter connector, 14 G /11.5 cm Tuohy cannula	.018 " x 90 cm	80 cm	0.7 mm / 1.5 mm	1 ea/box
60-0400	VentriGuard lumbar catheter 4.5 F with inserted hydrophilic guide wire, catheter connector, 14 G/11.5 cm Tuohy cannula	.018 " x 90 cm	80 cm	0.7 mm / 1.5 mm	1 ea/box

Accessories

Ref. No.	Description	Packaging Unit
59-0006	EVD-connector for lumbar catheter 4.5 F	10 ea/box

The catheter's length markings are aligned to the Tuohy cannula



The hydrophilically coated guide wire prevents any dislocation after successful catheter positioning



Silicone Ventricular Catheter

- Accurate positioning in the ventricle achieved by length and number markings
- Comfortable Placement
very pliable, kink-resistant silicone material
- User-friendly connection
direct fixation of the catheter connector onto the skin and avoids accidental catheter dislocation
- Position monitoring
ensured by radiopaque catheter material



Silicone Ventricular Catheter

silicone catheter

Designed for maximum patient safety during temporary external ventricular drainage, the silicone catheter offers the surgeon a number of improvements for handling.

The very flexible but kink-resistant silicone material facilitates an easy and patient-friendly placement. It is radiopaque, thus position monitoring is assured at any time. Precise catheter placement at the required position is achieved by an extremely fine scaling with additional number markings.

The user-friendly connector allows for direct catheter fixation onto the skin, which offers tension relief and minimizes the risk of potential catheter dislocation.

Silicone Ventricular Catheter

Ref. No.	Length	Size	Perforation	I.D. / O.D.	Packaging Unit
55-2400	30 cm	7 F	standard	1.25 mm / 2.4 mm	10 ea/box
55-3001	30 cm	9 F	large	1.5 mm / 3.0 mm	10 ea/box
55-3000	30 cm	9 F	standard	1.5 mm / 3.0 mm	10 ea/box

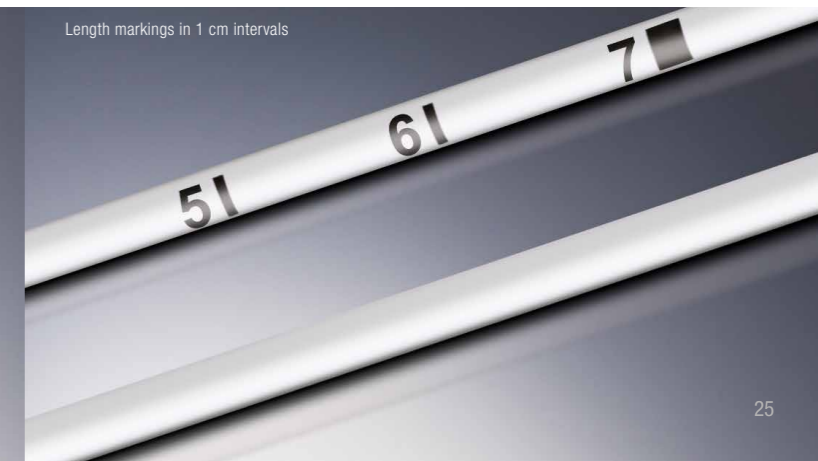
Accessories

Ref. No.	Description	Packaging Unit
59-0005	EVD-connector for ventricular catheter 7 F, 8.5 F und 9 F	10 ea/box

Catheter connector with wings for safe fixation onto the scalp



Length markings in 1 cm intervals



Silicone-Lumbar Catheter

- Precise positioning in the spinal canal
extra long Tuohy cannula with length markings and number and length markings are imprinted onto the catheter
- Comfortable placement
flexible, non-kinking Silicone material
- User-friendly connection
direct fixation of the catheter connector onto the skin avoids accidental catheter dislocation
- Position monitoring
radiopaque catheter body
- Simplified guide wire handling
thanks to hydrophilic coating
Avoids accidental catheter dislocation



Silicone Lumbar Catheter

Particularly designed for temporary external lumbar drainage, this catheter is manufactured from pliable and kink resistant silicone, in order to allow an easy and patient-friendly placement. Beyond this benefit, the catheter offers a number of conveniences to the surgeon during placement and handling. Fine scaling and additional number markings simplify precise placement and position monitoring.

The hydrophilically coated guidewire improves application safety and avoids accidental catheter displacement. Can be easily removed after placement.

The user-friendly designed catheter connector allows for direct fixation onto the Skin. It ensures tension relief and avoids potential dislocation.

Lumbar Catheter set for external Lumbar Drainage

Ref. No.	Description	Guide wire	Length	I.D. / O.D.	Packaging Unit
61-1400	Standard lumbar catheter 4.5 F with hydrophilic guide wire, catheter connector, 14 G /11.5 cm Tuohy cannula	.018 " x 90 cm	80 cm	0.7 mm / 1.5 mm	1 ea./box

Accessories

Ref. No.	Description	Packaging Unit
59-0006	EVD-connector for lumbar catheter 4.5 F	10 ea./box

The catheter's length markings are aligned to the Tuohy cannula



The hydrophilically coated guide wire prevents any dislocation after successful catheter positioning



VentriClear® Ventricular Catheter

- Exact positioning in the ventricle thanks to numbered length markings
- Semi-transparent catheter material allows immediate visibility of rising liquid
- Catheter connector safe connection and skin fixation thanks to user-friendly product design
- Small outer, large inner diameter Maximum drainage of cerebrospinal fluid – due to minimized catheter walls while at the same time maintaining kinking resistance



VentriClear® Ventricular Catheter

semi-transparent catheter for temporary ventricular drainage

VentriClear® ventricular catheters are defined by a multitude of advanced properties – from clearer monitoring to increased kinking resistance.

The catheters are semi-transparent so that rising cerebrospinal fluid is directly visible, possible blood content is noticed immediately – additionally, the catheter is radiopaque.

Small outer, large inner diameter for maximum drainage of cerebrospinal fluid – thanks to minimized catheter walls while at the same time maintaining kinking resistance.

Length markings in 1 cm intervals. The refined scaling in intervals of 1 cm makes insertion easy and safe.

VentriClear® – Ventricular Catheter

Ref. No.	Length	Size	Perforation	I.D. / O.D.	Packaging Unit
60-1210	30 cm	8.5 F	standard	1.6 mm / 2.8 mm	10 ea/box
60-1010	30 cm	10 F	large	1.9 mm / 3.3 mm	10 ea/box
60-1510	30 cm	12 F	large	2.3 mm / 4.0 mm	10 ea/box

Accessories

Ref. No.	Description	Packaging Unit
59-0005	EVD-connector for ventricular catheter 7 F, 8.5 F und 9 F	10 ea/box
59-0007	EVD-connector for ventricular catheter	10 ea/box

Length markings in 1 cm intervals



Visual puncture control due to semi-transparent catheter material





Navigable BBC brain biopsy cannula

- Permanent control of the cutting window due to both visual and haptic markings of the recessed grips
- Precise depth guide due to the ruler and depth control with ergonomic locking screw
- Easy tissue sampling due to precisely sharpened window edges and a specific cutting angle of the cannula
- Aspiration without affecting the cannula due to the flexible and soft aspiration tube



Navigable BBC brain biopsy cannula

for exact instrument positioning

Neuronavigation as a computer-assisted and software-controlled process is becoming increasingly important for neurosurgery, as it allows surgical processes to become easier and more effective as well as reducing possible complications.

The navigable brain biopsy cannula further supports the process optimisation due to its easy and safe handling when used together with navigation systems by Brainlab® or Medtronic®. With the help of precisely pre-assembled markers, the surgeon is able to determine the exact position of the instrument at any given time in combination with these compatible navigation systems.

The functional design of the ergonomic transparent handpiece is a characteristic feature of Neuromedex brain biopsy cannulas, as the shape and signal colours of the instrument allow the tactile and visual control of the cutting window at the same time.

The cannula as a disposable instrument minimises the risk of infection, which is significantly higher for reusable instruments due to the insufficient cleaning of the tiny lumina. This ensures improved patient safety and reduces consequential costs. Also, there are no costs for processing and wear of reusable instruments, which can be difficult to estimate.

Navigable BBC brain biopsy cannula with a ruler, movable depth control and aspiration tube

Ref. No.	System requirement	Working Length	Total Length	O.D.	Cutting Window	Packaging Unit
79.2572111	Brainlab Vario Guide™	257 mm	267 mm	2.1 mm	10 mm x 1.5 mm	1 ea/box
79.2572112	Medtronic® – Vertek® holder and precision targeting unit, alternatively Navigus® trajectory guide kit	257 mm	267 mm	2.1 mm	10 mm x 1.5 mm	1 ea/box

Open or closed: recessed grips that can be distinguished both by colour and haptically ...



... quickly and safely tell the surgeon about the state of the cutting window



Navigation Markers

- High quality and precision by means of strictest quality criteria
- Compatibility
screw (M3) and click (Snap) markers provide compatibility with all prevalent navigation systems
- Practice oriented packaging, design optimal product protection and sterility-safe removal
- Dispenser box
facilitates an easy removal and an overview of the remaining quantity



Navigation Markers

retroreflecting marker balls

Neuromedex navigation markers are sterile, retroreflecting single use marker balls for the application of surgical navigation systems. The navigation markers are compatible with all prevalent surgical navigation systems. The highest product quality in regard to precision and sterility is guaranteed for each single navigation marker by state-of-the-art manufacturing and inspection methods. The practice oriented product packaging, consisting of blister packaging and sterile bag, ensures an optimal protection of the navigation markers and a sterility-safe removal. The purpose-built dispenser box facilitates an easy removal and an overview of the remaining quantity.

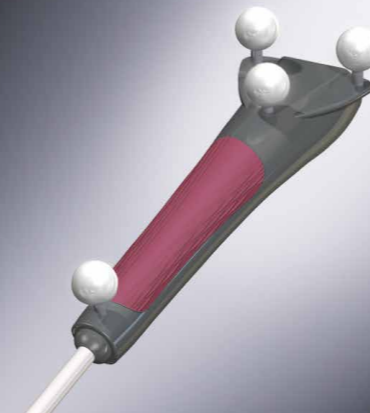
Navigation Marker M3, compatible with BrainLAB Vector Vision®, BrainLAB Kolibri™

Ref. No.	Description	Blister Unit	Diameter	Packaging Unit
90-4110	Navigation Marker M3	1 marker	13 mm	20 blister / 20 ea/box
90-4130	Navigation Marker M3	3 markers	13 mm	20 blister / 60 ea/box
90-4150	Navigation Marker M3	5 markers	13 mm	20 blister / 100 ea/box

Navigation Marker Snap, compatible with Medtronic® Stealth Station, Aesculap® Orthopilot

Ref. No.	Description	Blister Unit	Diameter	Packaging Unit
90-4210	Navigation Marker Snap	1 marker	11,5 mm	20 blister / 20 ea/box
90-4230	Navigation Marker Snap	3 markers	11,5 mm	20 blister / 60 ea/box
90-4250	Navigation Marker Snap	5 markers	11,5 mm	20 blister / 100 ea/box

Positioning of the navigation markers on the instrument



Blister packaging offers optimal product protection



Stereotactic Brain Biopsy Cannula

- Easy tissue sampling without compromising structures, enabled by precision-ground window edges and a special edge angle to the cannula
- Constant puncture depth due to length markings and efficient depth control with ergonomic locking screw
- Permanent control of cutting window thanks to both visual and haptic markings on the recessed grips
- Aspiration without affecting the cannula made possible by a flexible, soft aspiration tube



Stereotactic Brain Biopsy Cannula for easy, reliable use and precise tissue sampling

Single-use brain biopsy cannulas are vital for neurosurgical diagnostics since the risk of infection or acquired prion diseases is practically eliminated. Numerous characteristics of the system allow an easy, reliable aspiration to obtain an ideal tissue sample.

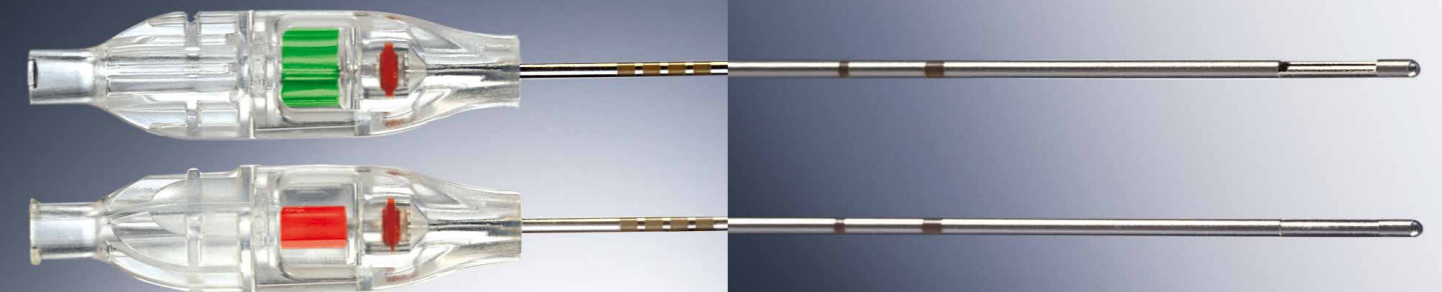
The cutting window control provides the surgeon with two ways of sensing whether the window is open or closed – visually through colored identification markings and haptically through differently shaped recessed grips. This precise attention to every detail makes the brain biopsy cannula a relief for the surgeon and a gain in safety for the patient.

BBC Brain Biopsy Cannula with moveable depth stop and aspiration tube

Ref. No.	Working Length	Total Length	O.D.	Cutting Window	Packaging Unit
79.1002110	100 mm	110 mm	2.1 mm	10 mm x 1.5 mm	1 ea/box
79.1902110	190 mm	200 mm	2.1 mm	10 mm x 1.5 mm	1 ea/box
79.2502110	240 mm	250 mm	2.1 mm	10 mm x 1.5 mm	1 ea/box

Open or closed – recessed grips which allow perfect control both haptically and in terms of color ...

...provide quick and reliable information about the cutting window status



Low Vacuum Drainages



NeuroVac^{PRO}

- Seven times larger tissue contact area compared to drains with regular perforations
- Significantly improved drainage performance
- Prevents tissue aspiration and minimises the risk of obstructions
- Allows a gentle and less traumatic removal



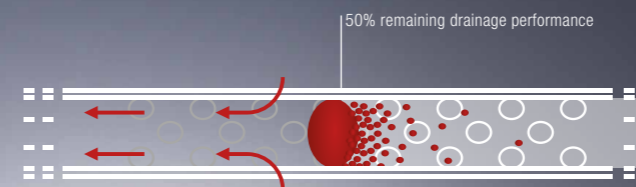
NeuroVac^{PRO} fluted low vacuum drainage

The four-channel silicone drainage in conjunction with the adjustable low vacuum reservoir provides a gentle drainage of blood and secretion.

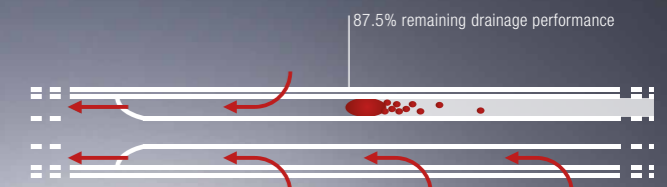
NeuroVac^{PRO} offers a seven times larger tissue contact area than regular perforated drains to secure drainage function even when single drainage channels are obstructed.

Surface design and material of the drain – soft, radiopaque, non-adhesive silicone – prevent the drainage tube from sticking to adjacent tissue and allow for an easy, pain-avoiding drainage removal.

Conventional drainage



NeuroVac^{PRO} drainage



Drainage type: flat, 3/4 fluted



Ref. No.	Description	Length	Fluted Length	Size	Packaging Unit
27-0734	NeuroVac ^{PRO} silicone flat drain with trocar	110 cm	21 cm	7 mm	15 ea/box
27-1034	NeuroVac ^{PRO} silicone flat drain with trocar	110 cm	21 cm	10 mm	15 ea/box

Drainage type: flat, 4/4 fluted



Ref. No.	Description	Length	Fluted Length	Size	Packaging Unit
27-0711	NeuroVac ^{PRO} silicone flat drain with trocar	100 cm	20 cm	7 mm	15 ea/box
27-1011	NeuroVac ^{PRO} silicone flat drain with trocar	100 cm	20 cm	10 mm	15 ea/box

Drainage type: round, fluted



Ref. No.	Description	Total Length	Fluted Length	Size	Packaging Unit
26-1000	NeuroVac ^{PRO} silicone round drain with trocar and adaptor for reservoir	110 cm	20 cm	10 F	15 ea/box
26-1500	NeuroVac ^{PRO} silicone round drain with trocar and adaptor for reservoir	120 cm	30 cm	15 F	15 ea/box
26-1900	NeuroVac ^{PRO} silicone round drain with trocar and adaptor for reservoir	120 cm	30 cm	19 F	10 ea/box
26-2400	NeuroVac ^{PRO} silicone round drain with adaptor for reservoir	110 cm	30 cm	24 F	10 ea/box

Drainage reservoir

Ref. No.	Description	Size	Packaging Unit
20-1500	NeuroVac silicone reservoir	150 ml	5 ea/box
20-4002	NeuroVac silicone reservoir with filter	400 ml	2 ea/box

Cross section flat drain



Trocar



NeuroVac

- Ideal for sensitive vascular structures thanks to flexible drainage design
- Easy, less painful drainage removal due to non-adhesive, soft silicone material
- Problem-free drainage even when the drainage tube is collapsed due to the ribbed inner-wall design
- Optimal protection prophylaxis: an internal anti-reflux valve prevents backflow of fluid to the patient
- Individual vacuum adjustment



NeuroVac

perforated low vacuum drainage

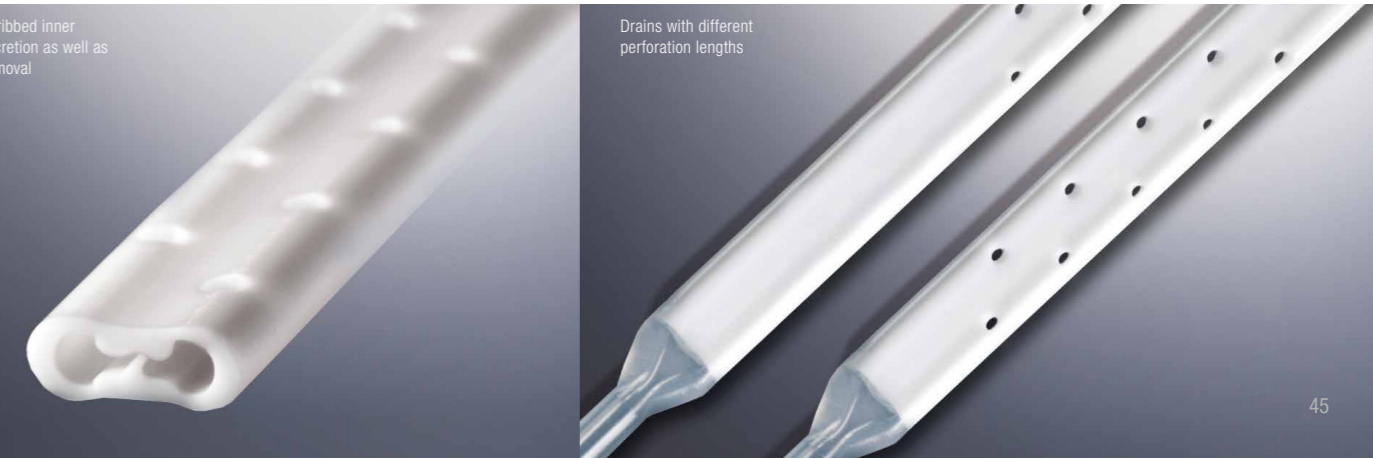
NeuroVac is a closed low vacuum system for the gentle drainage of blood and secretion. Individual low vacuum regulation ensures that no tissue can enter the drain, secretion only. Vice versa, an integrated anti-reflux valve in the reservoir prevents the backflow of drained fluids – a most effective protection against infection.

The heart of the system is a flat drainage tube made of pure silicone. Its ribbed wall guarantees a problem-free drainage even when the drainage tube is collapsed. The extremely soft, non-adhesive silicone material prevents the drainage tube from sticking to adjacent tissue – easy, pain-avoiding drainage removal is thus ensured.

A large clip on the reservoir allows attachment to the patient's clothes, which greatly facilitates patient mobilisation.

Flat, soft and lined with a ribbed inner wall – free drainage of secretion as well as pain-avoiding drainage removal

Drains with different perforation lengths



Drainage type: flat, 3/4 perforation



Ref. No.	Description	Total Length	Perforation Length	Size	Packaging Unit
23-0734	NeuroVac silicone flat drain	80 cm	15 cm	7 mm	20 ea/box
23-1034	NeuroVac silicone flat drain	80 cm	15 cm	10 mm	20 ea/box
21-0734	NeuroVac silicone flat drain set with reservoir 150 cc	80 cm	15 cm	7 mm	5 ea/box
21-1034	NeuroVac silicone flat drain set with reservoir 150 cc	80 cm	15 cm	10 mm	5 ea/box

Drainage type: flat, complete perforation



Ref. No.	Description	Total Length	Perforation Length	Size	Packaging Unit
23-0411	NeuroVac silicone flat drain	85 cm	15 cm	4 mm	20 ea/box
23-0711	NeuroVac silicone flat drain	80 cm	20 cm	7 mm	20 ea/box
23-1011	NeuroVac silicone flat drain	80 cm	20 cm	10 mm	20 ea/box
21-0411	NeuroVac silicone flat drain set with reservoir 150 cc	85 cm	15 cm	4 mm	5 ea/box
21-0711	NeuroVac silicone flat drain set with reservoir 150 cc	80 cm	20 cm	7 mm	5 ea/box
21-1011	NeuroVac silicone flat drain set with reservoir 150 cc	80 cm	20 cm	10 mm	5 ea/box

Drainage type: round



Ref. No.	Description	Total Length	Perforation Length	Size	Packaging Unit
24-0700	NeuroVac silicone round drain	125 cm	23 cm	7 F	20 ea/box
24-1000	NeuroVac silicone round drain	125 cm	23 cm	10 F	20 ea/box
24-1500	NeuroVac silicone round drain	125 cm	23 cm	15 F	20 ea/box

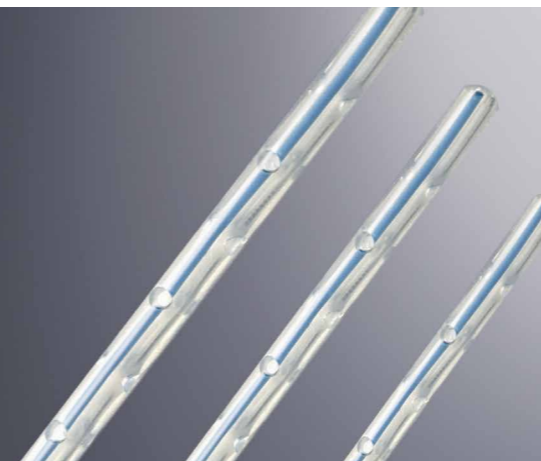
Drainage reservoir

Ref. No.	Description	Size	Packaging Unit
20-1500	NeuroVac silicone reservoir	150 ml	5 ea/box
20-4002	NeuroVac silicone reservoir with filter	400 ml	2 ea/box

Flat drains 3/4 perforation and complete perforation



Round drain



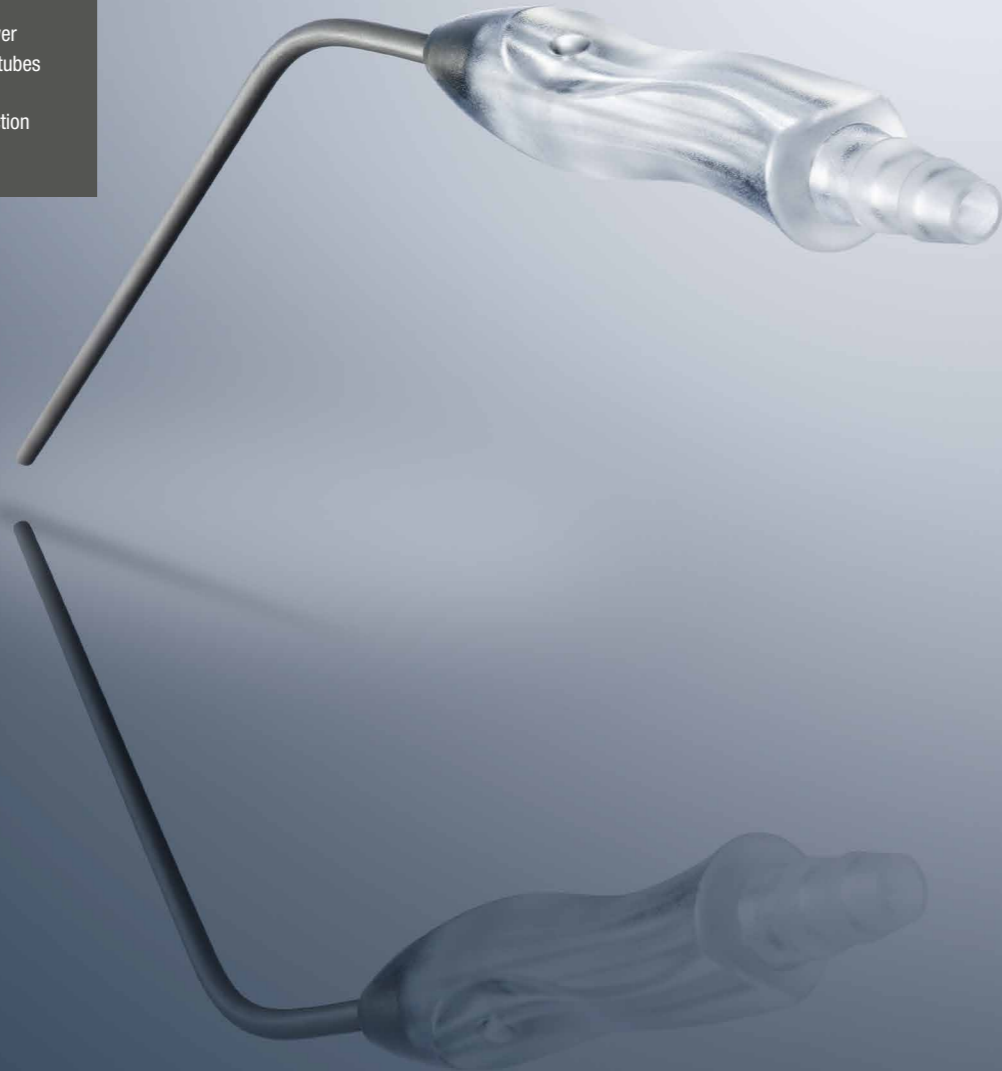
NeuroVac silicone reservoir, 400 ml





Disposable Micro Suction Cannula

- Matt-finished cannula surface prevents reflection effects at the operation site
- Power suction, precise monitoring, tissue preservation
- Rounded cannula tip for atraumatic placement
- Transparent, ergonomically-shaped handle
For improved visualisation of the drainage flow
- Vacuum control to adjust the suction power
Compatible with all standard connecting tubes
- Designed for single use to minimise infection risks



Disposable Micro Suction Cannula

The performance profile of the Neuromedex disposable micro suction cannula is no different from that of a reusable product: it offers equally effective suction and can be positioned atraumatically and precisely. However, the disposable product adds benefit by reducing unnecessary infection risks. Conventional reusable suction cannulas show a high potential for infection: Often, the fine lumen can only be cleaned inadequately and with a great deal of time and effort. Consequently, the cost factor for repro-cessing is considerable.

During product development, particular attention has been paid to an ergonomic and functional design. The transparent handle with vacuum opening fits securely in the hand and guarantees control by the user at any time.

Matt-finished cannula tubes provide a glare-free view at the operation site and their specially rounded tips enable an atraumatic application.

Disposable Micro Suction Cannula

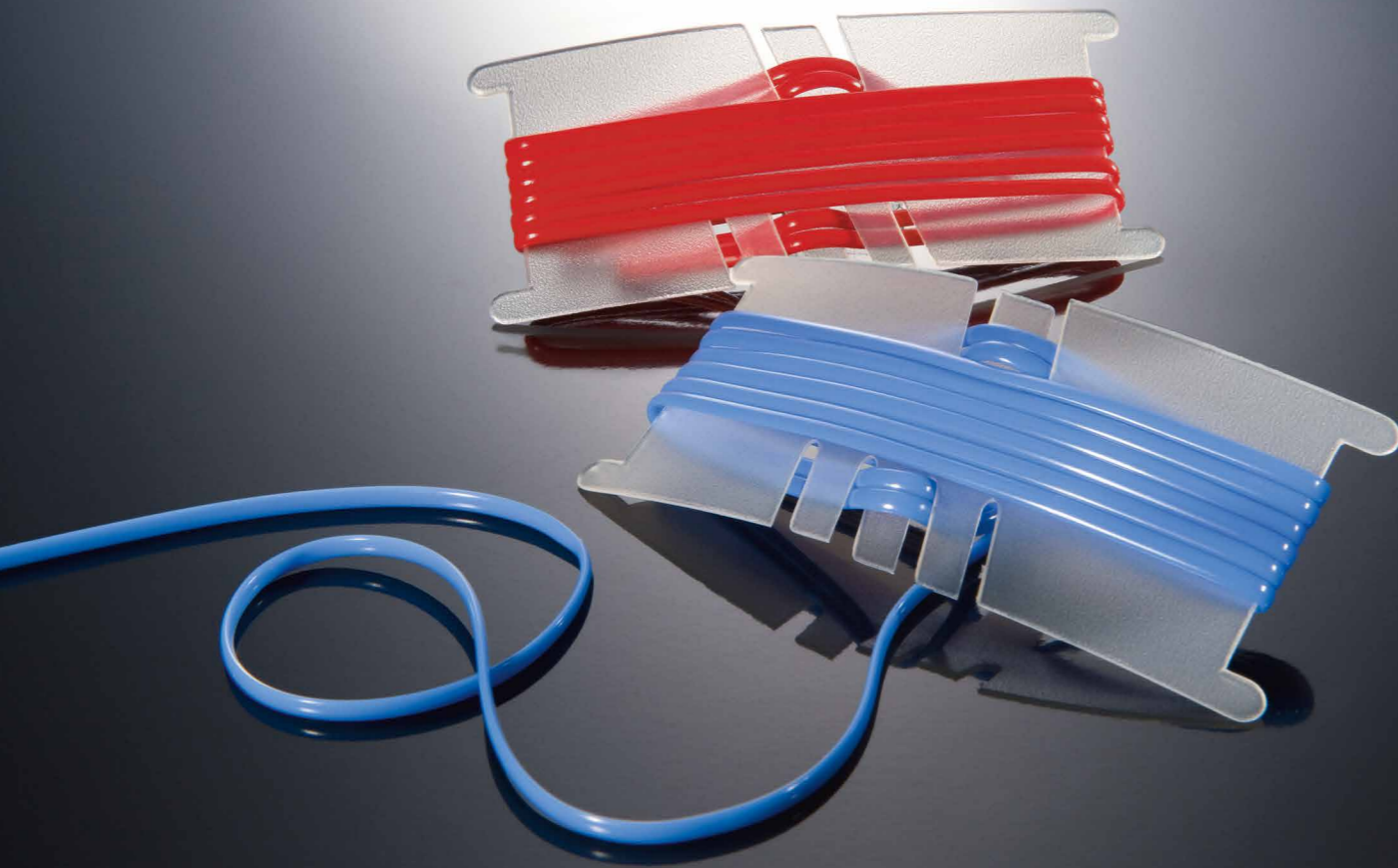
Ref. No.	Description	Working Length	Total Type Length	I.D. / O.D.	Packaging Unit
70-391212	Disposable Micro Suction Cannula 12 CH	110 mm	120 mm	2.4 mm / 4.0 mm	20 ea/box
70-391209	Disposable Micro Suction Cannula 9 CH	110 mm	120 mm	1.8 mm / 3.0 mm	20 ea/box
70-391206	Disposable Micro Suction Cannula 6 CH	110 mm	120 mm	1.3 mm / 2.1 mm	20 ea/box
70-321206	Disposable Micro Suction Cannula 6 CH with micro tip	110 mm	120 mm	0.5 mm / 2.1 mm	20 ea/box

Transparent handle with vacuum opening













Matt-finished cannula tubes with specially rounded tips for an atraumatic application








Mediloops
silicone vessel loops

MEDILOOPS are used in surgical interventions requiring retraction, identification or occlusion of arteries, veins, nerves, ureters or tendons. They are oval in cross-section, allowing for even pressure distribution, thus minimising damage to tissues.

Ref. No.	Size	Length	Application	Color	Packaging Unit
01.2801	mini	50 cm	veins		10 pairs/box
01.2802	mini	50 cm	arteries		10 pairs/box
01.2803	mini	50 cm	nerves		10 pairs/box
01.2804	mini	50 cm	ureter		10 pairs/box
01.2811	maxi	50 cm	veins		10 pairs/box
01.2812	maxi	50 cm	arteries		10 pairs/box
01.2813	maxi	50 cm	nerves		10 pairs/box
01.2814	maxi	50 cm	ureter		10 pairs/box
01.2821	supermaxi	50 cm	veins		10 pairs/box
01.2822	supermaxi	50 cm	arteries		10 pairs/box




Suture Booties

Suture Booties needle holder covers are recommended for surgical fields where finest and delicate suture material is used. They offer a non-damaging, cost-effective way to grasp and tag sutures.

Ref. No.	I.D.	Length	Color	Packaging Unit
01.1054	1.5 mm	12 mm		5 trays/box
01.1055	1.5 mm	12 mm		5 trays/box
01.1056	2.4 mm	18 mm		5 trays/box

Medipaws

Silicone clamp covers for use with surgical clamps and forceps to facilitate an atraumatic occlusion of vessels, tissue and intestine, while offering a safe, non-slip grip. They are soft and pliable, providing even pressure distribution, thus extensively minimising trauma.

Ref. No.	Size	Length	Color	Packaging Unit
01.2832	mini	125 mm		20 pairs/box
01.2835	midi	125 mm		20 pairs/box
01.2837	maxi	125 mm		20 pairs/box

Neuro-Pen

The Neuro-Pen skin marker with ruler is used in all surgical fields and allows marking of selected areas for easy identification. The violet ink is disinfectant- and alcohol-resistant and can be optionally applied in a precise fine or, when held at an angle, in a broad line width.

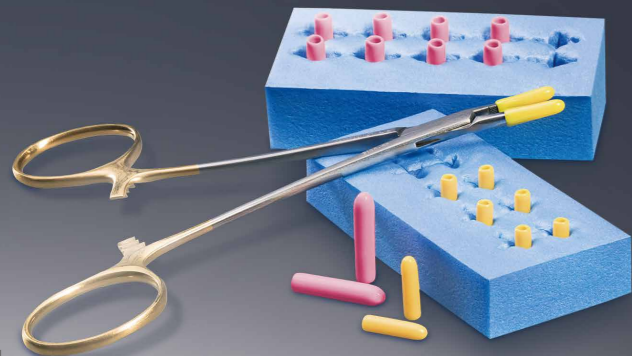
Ref. No.	Line Width	Packaging Unit
90-3000	0.2 - 2.0 mm	50 ea/box

Cautery Tip Cleaner

For the removal of tissue remains after coagulation by cautery tips or bipolar, uncoated forceps.

Ref. No.	Working Length	Packaging Unit
01.3950	45 x 45 mm	20 ea/box

Suture Booties



Medipaws



Neuro-Pen



Cautery Tip Cleaner





RF Thermolesion Cannulas

- Extra smooth cannula coating
- Enables a precise lesion of nerve tissue
- Coating with proved insulating effect
- Atraumatic transition to cannula coating:
No "shoulder-effect"

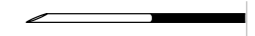


RF Thermolesion Cannula

Lesionpoint® Thermolesion Cannulas are an effective single use device in interventional, minimally invasive pain therapy. In conjunction with especially adjusted electrodes and RF generators high frequency current is applied to facilitate destruction of selected pain conductive nerve structures.

Disposable Thermolesion Cannula, straight tip

Ref. No.	Cannula Size	Active Tip	Stitch Length	Packaging Unit
74.0540422	22 G	4 mm	54 mm	10 ea/box
74.1001018	18 G	10 mm	100 mm	10 ea/box
74.1000520	20 G	5 mm	100 mm	10 ea/box
74.1000522	22 G	5 mm	100 mm	10 ea/box
74.1001022	22 G	10 mm	100 mm	10 ea/box
74.1500520	20 G	5 mm	150 mm	10 ea/box
74.1501020	20 G	10 mm	150 mm	10 ea/box



Disposable Thermolesion Cannula, blunt, curved tip

Ref. No.	Cannula Size	Active Size	Stitch Length	Packaging Unit
76.1001020	20 G	10 mm	100 mm	10 ea/box
76.1501020	20 G	10 mm	150 mm	10 ea/box



LESIONPOINT® RF Electrode

- Printed length markings
- Precise temperature sensing
- Compatible with various major brands of RF generators
- Ready to use



LESIONPOINT® RF Electrode

Single use LESIONPOINT® RF Electrodes guarantee full functional capability, as damage caused by previous application or due to re-processing and re-sterilization can be excluded. The single application also minimises the risk of contamination-based infections.

LESIONPOINT® Disposable Thermolesion Electrode

Ref. No.	Recommended Cannula Size	Recommended Cannula Length	Cable Length	Packaging Unit
70.054000	20/22 G	54 mm	100 cm	2 ea/box
70.100000	20/22 G	100 mm	100 cm	2 ea/box
70.150000	20 G	150 mm	100 cm	2 ea/box

LESIONPOINT® Sterile Generator Adapter Cable, reusable

Ref. No.	Compatible with	Cable Length	Packaging Unit
70.910010	Radionics Generator RFG 3C, RFG 3C+, RFG 3CD	100 mm	1 ea/box
70.910020	Neurotherm Generator GK4	100 mm	1 ea/box
70.910030	Cosman Generator RFG-1B	100 mm	1 ea/box



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