

PRODUCT CATALOG FOR
REGIONAL ANAESTHESIA & ANALGESIA





Temena Group is originally an European multinational founded in **1985**. **Temena Group** manufactures its products in its own facilities in Germany and it has a direct distribution network with warehouses and offices in Spain, France and Italy, along with a wide distribution network in 5 continents that meets the needs of the market in over **45 countries**.

Composed by several companies and professionals specialized in the sector.

Temena Group is currently positioned in the market as one of the most prestigious and specialized entities in **Regional Anaesthesia and Analgesia**.

With a comprehensive control in different production processes, **Temena Group** offers a wide range of products that cover different areas of Regional Anaesthesia and Analgesia. **Quality, exclusivity and patents on its products are backed by clinical studies that prove it.**



TEMENA SAS

Tel.: +33 (0) 130 860 530

Fax.: +33 (0) 130 860 531

info@temena.fr

www.temena.com





SPINAL ANAESTHESIA

PENCIL POINT SPINAL NEEDLE

OLUSPIN

SURETY®

MICRO-TIP®

QUINCKE LUMBAR PUNCTURE NEEDLES

SPINO MAXI

SPINO MINI

SPINOLONG



PENCIL POINT SPINAL NEEDLE

Spinal Anaesthesia

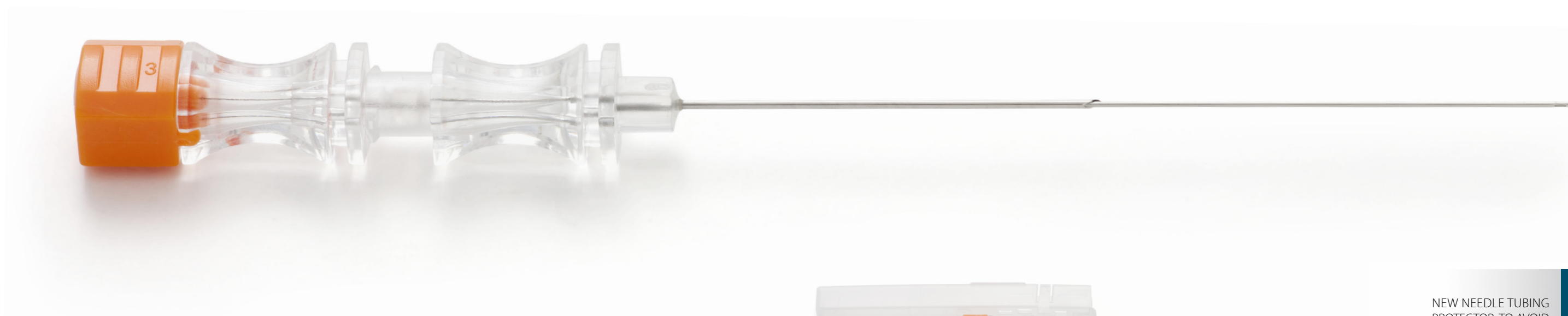
The **spinal needles** are cannulas for spinal puncture with conical-elliptic shaped tip with oval lateral orifice made out of medical grading stainless steel with a transparent handle in polycarbonate. Non-traumatic pencil point tip to reduce the risk of nerve fibers damage and favor the transmission of the perforation click of the Dura Mater to the needle hub.

CHARACTERISTICS

- Ergonomic hub for a better needle guidance.
- Stylet hub fixed in the needle hub thanks to a small “tongue”, thus preventing the stylet from falling out of the needle even in vertical position.
- Introducer with double bevel (**20°/30°**) to reduce the patient’s pain thanks to a rapid penetration.
- Easy-to-open blister pack, to prevent items from falling when opening the blister.
- Transparent window in the hub offering a magnifying effect and allowing faster recognition of the arriving spinal fluid.
- Color code on stylet hub and packaging allowing a jaster and easy identification of the diameter of the needle.

REF-NR	SIZES		INTRODUCER	COLOUR CODE	UNITS / BOX
	DIAMETER	LENGTH			
21951-21*	21G	90 mm	30 mm	● GREEN	25
31950-21*	21G	123 mm	38 mm	● GREEN	25
21951-22	22G	90 mm	30 mm	● BLACK	25
21950-22	22G	103 mm	38 mm	● BLACK	25
31940-22	22G	150 mm	42 mm	● BLACK	25
21951-24	24G	90 mm	30 mm	● LILAC BLUE	25
21950-24	24G	103 mm	38 mm	● LILAC BLUE	25
31940-24	24G	150 mm	42 mm	● LILAC BLUE	25
31951-24	24G	123 mm	42 mm	● LILAC BLUE	25
21951-25	25G	90 mm	30 mm	● ORANGE	25
21950-25	25G	103 mm	38 mm	● ORANGE	25
21950-25P	25G	103 mm	38 mm	● ORANGE	25 EXCLUSIVE
31951-25	25G	123 mm	42 mm	● ORANGE	25
31940-25	25G	150 mm	42 mm	● ORANGE	25
21951-26	26G	90 mm	30 mm	● BROWN	25
21950-26	26G	103 mm	38 mm	● BROWN	25
21951-27	27G	90 mm	30 mm	● GREY	25
21950-27	27G	103 mm	38 mm	● GREY	25
21951-29	29G	90 mm	30 mm	● RED	25
21950-29	29G	103 mm	38 mm	● RED	25

* System protection against accidental needlestick injuries





NEW NEEDLE TUBING
PROTECTOR TO AVOID
ACCIDENTAL NEEDLE INJURIES
(REF: 21950-25P)



PENCIL POINT SPINAL NEEDLE

Spinal Anaesthesia

PENCIL POINT SPINAL NEEDLES WITHOUT INTRODUCER				
REF-NR	SIZES		COLOUR CODE	UNITS / BOX
	DIAMETER	LENGTH		
01950-20	20G	90 mm	● YELLOW	25
01950-21	21G	90 mm	● GREEN	25
01950-22	22G	90 mm	● BLACK	25
01950-24	24G	90 mm	● LILAC BLUE	25
 41950-25	25G	35 mm	● ORANGE	25
 21954-25	25G	50 mm	● ORANGE	25
01950-25	25G	90 mm	● ORANGE	25
31950-25	25G	123 mm	● ORANGE	25
01950-26	26G	90 mm	● BROWN	25
01950-27	27G	90 mm	● GREY	25
31950-27	27G	123 mm	● GREY	25



INTRODUCER			
REF-NR	SIZES		UNITS / BOX
	DIAMETER	LENGTH	
8185-2425	20G	38 mm	25
9195-2425	20G	30 mm	25



 PEDIATRIC USE



OLUSPIN

Spinal Anaesthesia

The **Oluspin needles** are cannulas for spinal puncture with conical-elliptic shaped tip with oval lateral orifice made of stainless steel of medical quality with a transparent handle in polycarbonate. A syringe can be connected to the needle in order to inject an anesthetic product.

ADVANTAGE:

- The Stylet hub presents a color code in accordance with the diameter of the needle.



OLUSPIN					
REF-NR	SIZES		INTRODUCER	COLOUR CODE	UNITS / BOX
	DIAMETER	LENGTH			
21751-22	22G	90 mm	30 mm	● BLACK	25
21750-22	22G	103 mm	38 mm	● BLACK	25
21751-24	24G	90 mm	30 mm	● LILAC BLUE	25
21750-24	24G	103 mm	38 mm	● LILAC BLUE	25
21751-26	26G	90 mm	30 mm	● BROWN	25
21750-26	26G	103 mm	38 mm	● BROWN	25
21751-25	25G	90 mm	30 mm	● ORANGE	25
21750-25	25G	103 mm	38 mm	● ORANGE	25
21751-27	27G	90 mm	30 mm	● GREY	25
21750-27	27G	103 mm	38 mm	● GREY	25



Surety®

Spinal Anaesthesia

DURA PUNCTURE IN MINIMUM TIME

The Pencil Point Spinal cannula stands for outstanding atraumatic Dural puncture. The new **Pencil Point Surety®** needles generation continues this success story and is convincing with an innovative design of the cannula hub which meets the highest ergonomic requirements, thus facilitating Dural puncture. Due to a sophisticated further development of the magnifying glass effect, the **Surety® cannula** allows for an even faster detection of the cerebrospinal fluid. The faster flush back of cerebrospinal fluid as well as optimized visibility under the magnifying glass ensures minimum time for Dural puncture.

AVANTAGES

- Shorter, “non-connectible” introducer hub offers a longer usable length of needle



ATRAUMATIC TIP

- The conical-elliptic-shaped tip geometry provides the cannula with its atraumatic property and a tactile perception when penetrating tissue with different densities.
- The positioning and size of the lateral eye in the cannula tip guarantees an unhindered flow of cerebrospinal fluid even when the arachnoid partially blocks the opening. Highly polished “window” in line with lateral eye means enhanced view of CSF

EERGONOMIC CANNULA HUB

- The handle of the cannula has perfect ergonomic characteristics.

MAGNIFYING GLASS EFFECT

- Even the smallest quantities of cerebrospinal fluid can be easily detected in a short time thanks to this magnifying glass.

SURETY®					
REF-NR	SIZES		INTRODUCER	COLOUR CODE	UNITS / BOX
	DIAMETER	LENGTH			
21951-22SC	22G (0.70 mm)	90 mm	30 mm	● BLACK	25
21950-22SC	22G (0.70 mm)	103 mm	38 mm	● BLACK	25
31940-22SC	22G (0.70 mm)	150 mm	42 mm	● BLACK	25
21951-24SC	24G (0.55 mm)	90 mm	30 mm	● LILAC BLUE	25
21950-24SC	24G (0.55 mm)	103 mm	38 mm	● LILAC BLUE	25
31940-24SC	24G (0.55 mm)	150 mm	42 mm	● LILAC BLUE	25
31951-24SC	24G (0.55 mm)	123 mm	42 mm	● LILAC BLUE	25
21951-25SC	25G (0.50 mm)	90 mm	30 mm	● ORANGE	25
21950-25SC	25G (0.50 mm)	103 mm	38 mm	● ORANGE	25
31940-25SC	25G (0.50 mm)	150 mm	42 mm	● ORANGE	25
31951-25SC	25G (0.50 mm)	123 mm	42 mm	● ORANGE	25
21951-26SC	26G (0.45 mm)	90 mm	30 mm	● BROWN	25
21950-26SC	26G (0.45 mm)	103 mm	38 mm	● BROWN	25
21951-27SC	27G (0.40 mm)	90 mm	30 mm	● GREY	25
21950-27SC	27G (0.40 mm)	103 mm	38 mm	● GREY	25
21950-29SC	29G (0.33 mm)	103 mm	38 mm	● RED	25



MICRO-TIP®

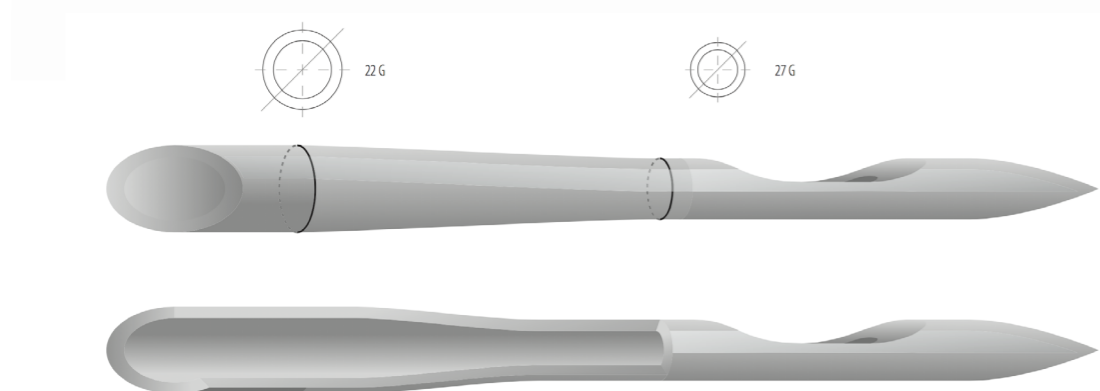
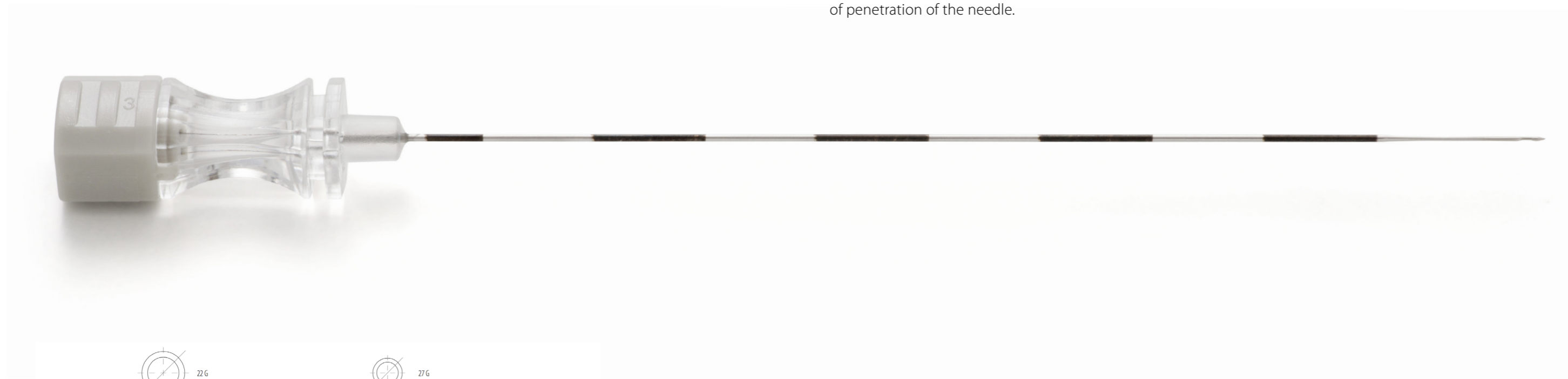
Spinal Anaesthesia

The **Micro-Tip**® spinal needles are cannulas for spinal puncture with conical-elliptic shaped tip with oval lateral orifice made of stainless steel of medical highest quality "Phynox" with a transparent handle in polycarbonate.

EXCLUSIVE NEEDLE OF TEMENA GROUP

AVANTAGES

- New design with two diameters within the same needle
- Combines the stiffness of a larger needle with a small diameter in the tip area, allowing an excellent flush back of spinal fluid
- Reduction of Dura trauma and PDPH rate
- Less technique failures thanks to a rapid flush-back of spinal fluid
- Good tip flexibility to reduce the risk of bone injury
- Easy to inject thanks to the widest possible lumen in most of the needle length.
- **Additional safety** thanks to centimeter marking on the needle tubing, allowing a good evaluation of the depth of penetration of the needle.



MICRO-TIP®					
REF-NR	SIZES		INTRODUCER	COLOUR CODE	UNITS / BOX
	DIAMETER	LENGTH			
29922-27	22/27G	90 mm	30 mm	● ● BLACK / GREY	25
21922-27	22/27G	103 mm	38 mm	● ● BLACK / GREY	25
31922-27	22/27G	140 mm	42 mm	● ● BLACK / GREY	25



QUINCKE LUMBAR PUNCTURE NEEDLES

Spinal Anaesthesia

The spinal needles with **Quincke bevel** are cannulas for spinal puncture with introducer double bevel (**20°/30°**) to reduce the patient's pain thanks to a rapid penetration; the needles are made of stainless steel of medical quality with a transparent handle in polycarbonate.

The stylet hub presents a color code in accordance with the diameter of the needle. A syringe can be attached to the needle in order to inject an anesthetic product.



SPINAL NEEDLE WITH QUINCKE BEVEL					
REF-NR	SIZES		INTRODUCER	COLOUR CODE	UNITS / BOX
	DIAMETER	LENGTH			
20118-090	18G	90 mm	No	● LIGHT PINK	25
20120-090	20G	90 mm	No	● YELLOW	25
20122-040	22G	38 mm	No	● BLACK	25
20122-065	22G	65 mm	No	● BLACK	25
20122-090	22G	90 mm	No	● BLACK	25
21125-090	25G	90 mm	30 mm	● ORANGE	25
21127-090	27G	90 mm	30 mm	● GREY	25
21129-090	29G	90 mm	30 mm	● RED	25



SPINO MAXI SET

Set for single shot spinal anaesthesia

Spino Maxi Set include our pencil point needles in several sizes with all the accessories for the accomplishment of single shot spinal anaesthesia.



SPINO MAXI SET								
REF-NR	SPINAL NEEDLE	SYRINGES	HYPOD. NEEDLES	FILTER	STERILE DRAPES	CUPS	ACCESSORIES	UNITS / BOX
51951-22*	22Gx90 mm	Syringe 2,5 ml Syringe 5 ml	25 Gx16 mm 21 Gx40 mm	0,2µ	1450x700 mm 1 Fenestrated 450 x 700 mm	White 150 ml	- 1 Prep sponge - 5 Gauze sponges	15
51950-25P	25Gx103 mm With needle stick injury protector	Syringe 2,5 ml Syringe 5 ml	23 Gx30 mm 21 Gx40 mm	0,2µ	1700 x 900 mm 1 Fenestrated 750 x 1000 mm	Transparent 250 ml	- 1 Prep sponge - 5 Gauze sponges - 2 paper towels	15

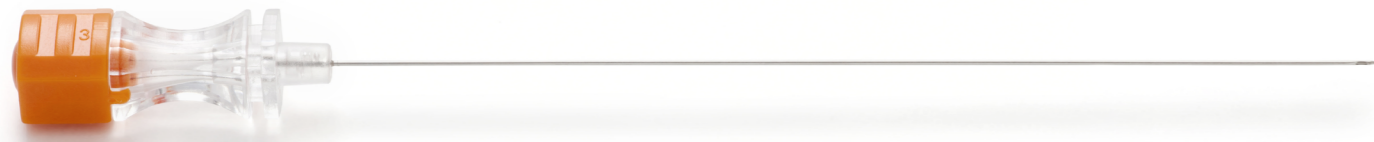
This set can be changed according to customer needs.



SPINO MINI

Set for single shot spinal anaesthesia

Spino Mini Set includes only the essential accessories for the accomplishment of single shot spinal anaesthesia.



SPINO MINI

REF-NR	AGUJA ESPINAL PUNTA LAPIZ	JERINGA	AGUJAS HIPODÉRMICAS	FILTRO PLANO	CAMPOS OPERATORIOS	RECIPIENTE	UNID/CAJA
61951-25*	25G x 90 mm	Jeringa 2,5 ml Jeringa 5 ml	25G x 16 mm 21G x 40 mm	0,2µ	No	No	10

This set can be changed according to customer needs.



SPINOLONG

Set for single shot spinal anaesthesia

SPINOLONG 20G

- Includes a 0.2µ flat filter with Luer-Lock connection to eliminate bacteria and particles
- Includes Tuohy Borst Adaptor for a good connection of catheter and syringe
- 25G PA catheter with closed tip and teflonized steel stylet which can easily be inserted and withdrawn without kinking in spite of its reduced diameter thanks to an insertion guide; the three lateral side holes guarantees a good distribution of the anaesthetic solution in the chosen area. Perfect to for patients **over 65 years**

SPINOLONG 21G

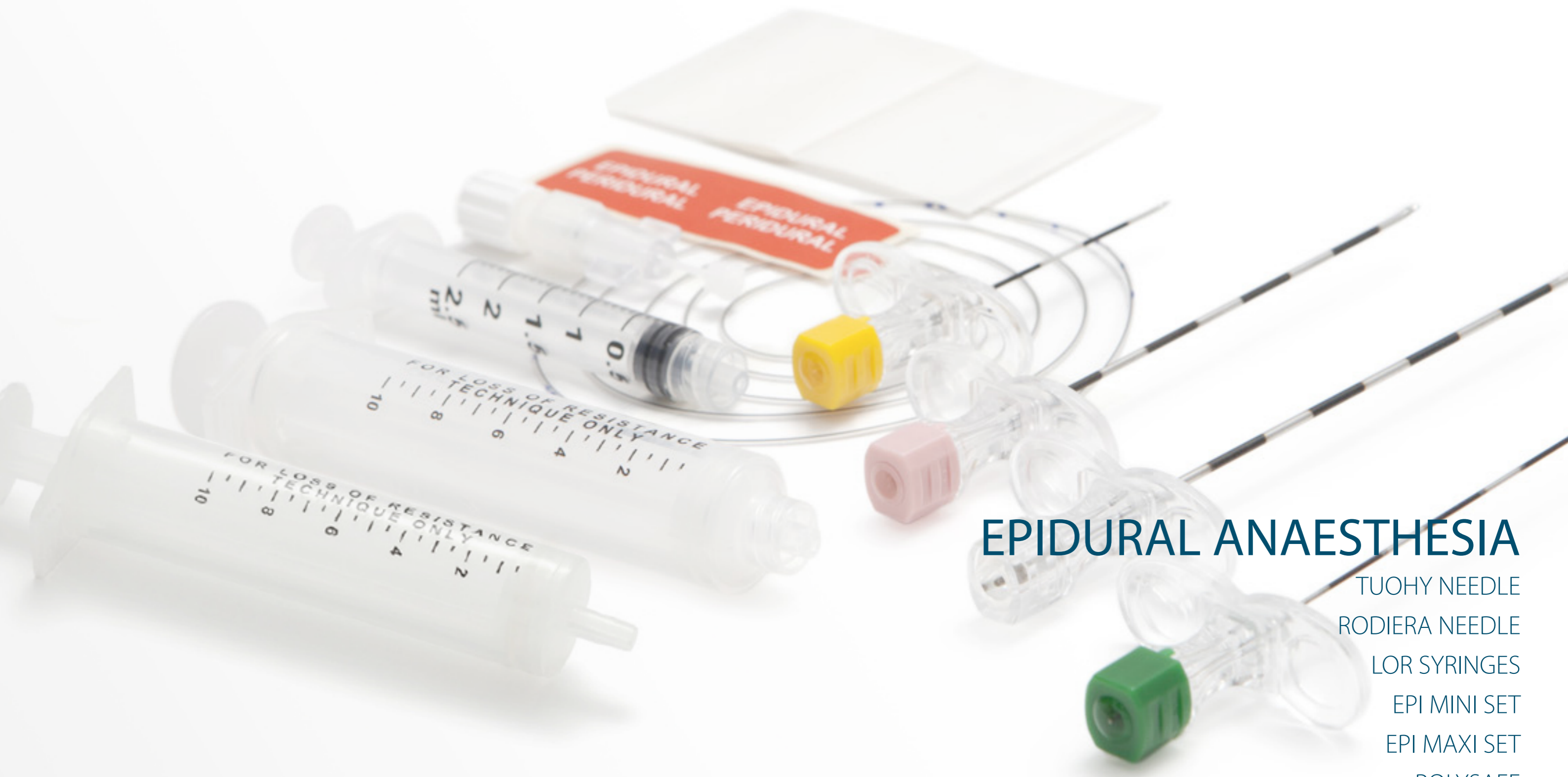
- Perfect for patient **between 50 y 65 years**
- Offers similar features as Spinolong 20G with the exception of the Tuohy needle: in this case it is a 21G thin wall needle with the same internal diameter as the 20G needle, reducing the diameter of the puncture channel but also the resistance to kinking



SPINOLONG

REF-NR	TUOHY NEEDLE		CATHETER WITH STYLET	SYRINGE LOR LL PP	SYRINGES 2,5 ML	CATHETER FIXATION	TBA	FILTER	UNITS/BOX
	DIAMETER	LENGTH							
21890-20	20G	90mm	24Gx90cm	Yes	Yes	Yes	Yes	Yes	10
21890-21	21G	90mm	24Gx90cm	Yes	Yes	Yes	Yes	Yes	10

This set can be changed according to customer needs.



EPIDURAL ANAESTHESIA

TUOHY NEEDLE

RODIERA NEEDLE

LOR SYRINGES

EPI MINI SET

EPI MAXI SET

POLYSAFE



TUOHY NEEDLES

Epidural anaesthesia

The **Tuohy epidural needles** provide high precision positioning in the epidural space, enable a clear perception of the tissue during insertion.

Tuohy needle incorporates a centimeter marked on the tube to control the depth of penetration of the needle.



ADVANTAGE

- The Tuohy needles offer an ergonomic hub with removable winglets for easy handling.
- Color coded stylet hub for easy identification of the size of the needle.
- Siliconized stainless steel of medical quality reducing friction when inserting the needle.
- Centimeter marking on the needle tubing to enable easy control of the penetration depth of the needle.
- Complete range of different gauges and lengths convenient for all kinds of patients.
- Easy-to-open blister pack, to prevent items from falling out when opening the blister.

TUOHY NEEDLE				
REF-NR	SIZES		COLOR CODE	UNITS / BOX
	DIAMETER	LENGTH		
98090-17	17G	90 mm	● RED	25
98080-18	18G	80 mm	● PINK	25
98090-18	18G	90 mm	● PINK	25
98120-18	18G	120 mm	● PINK	25
98150-18	18G	150 mm	● PINK	25
👶 98045-20	20G	45 mm	● YELLOW	25
98090-20	20G	90 mm	● YELLOW	25
98090-21	21G	90 mm	● GREEN	25

👶 PEDIATRIC USE

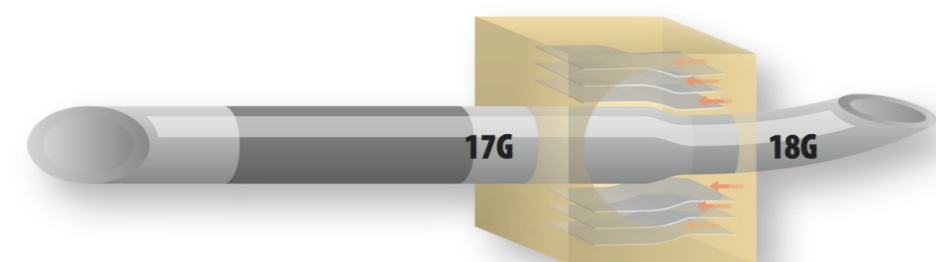


RODIERA NEEDLE

Epidural anaesthesia

This type of epidural needle is designed to offer a good relation between resistance and ease of penetration, necessary to advance the needle through the different tissues, it is slightly higher than a conventional needle.

The strength needed to advance the needle through the yellow ligament is about 25% higher, which improve his identification. A better identification of the yellow ligament and the decrease of the force, once located the epidural space, make the needle Rodiera the safer needle to the proper localization of the epidural space.



ADVANTAGE

- Offers the **Tuohy bevel** combined with a tapered tip (**45° decrease - 17/18 G**)
- Allows the anaesthetist to feel the perforation click of the Ligamentum Flavum much better, with a noticeable reduction of the penetration speed.
- Additional safety feature : the surface roughening in the tapered area increases the break effect created by the step between 17G and 18G diameters.
- Siliconized stainless steel of medical quality to reduce friction when inserting the needle.
- Centimeter marking on the needle tubing to allow easy control of the penetration depth of the needle.
- Easy-to-open blister pack to prevent items from falling out when opening the blister.

RODIERA NEEDLE				
REF-NR	SIZES		COLOR CODE	UNITS/BOX
	DIAMETER	LENGTH		
00517-18	17/18G	90 mm	○ TRANSPARENT	25
00917-18	17/18G	120 mm	○ TRANSPARENT	25



SYRINGES LOR

Epidural anaesthesia

The **LOR (loss of resistance)** syringe was designed to offer the anesthetist the most enhanced reaction capacity using the Loss Of Resistance technique for detection of the epidural space.

ADVANTAGE

- Depending on the personal choice of each anesthetist, the cylinder is available either in **PC (Polycarbonate)** or in **PP (Polypropylene)**.
- The siliconized PP cylinder smoothens the gliding of the piston and at the same time guarantees the tightness of the cylinder.
- Both PC and PP syringes are equipped with a PE piston with double O-ring in silicon, assuring the tightness of the syringe during aspiration as well as injection. All versions are equipped with a centering ring at the proximal entry of the cylinder, to avoid undesired withdrawal of the piston from the cylinder.



SYRINGES LOR

REF-NR	COMPOSITION	CONNECTION	CONTENTS	UNITS/BOX
800LL-10	Polycarbonate	Luer-Lock	10 ml	10
800LS-10	Polycarbonate	Luer-Slip	10 ml	10
900LL-10	Polypropylène	Luer-Lock	10 ml	10
900LS-10	Polypropylène	Luer-Slip	10 ml	10



EPI MINI SET

Set for epidural anaesthesia



EPI MINI SET

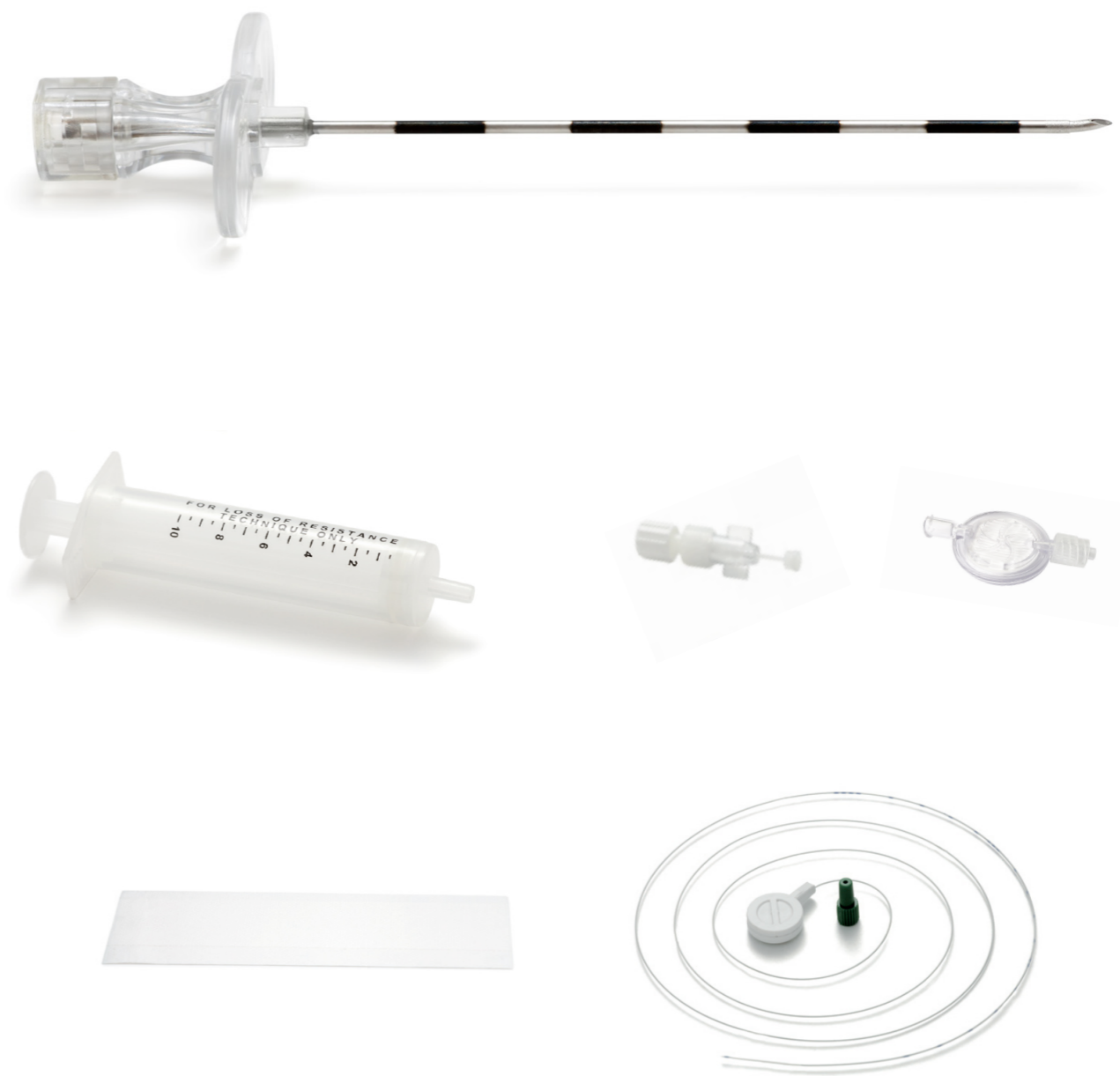
REF-NR	TUOHY SIZES	CATHETER	SYRINGE	CONNECTOR	FILTER	TRANSAFX	THREAD DEVICE	UNITS/BOX
21890-16	16G x 80 mm	19G x 900 mm	LOR LL PP	TBA	0,2µ	No	Yes	10
01890-17	17G x 90 mm	19G x 900 mm	No	TBA	0,2µ	No	Yes	10
21890-17	17G x 90 mm	19G x 900 mm	LOR LL PP	TBA	0,2µ	No	Yes	10
01890-18	18G x 80 mm	20G x 900 mm	No	TBA	0,2µ	No	Yes	10
21890-18	18G x 80 mm	20G x 900 mm	LOR LL PP	TBA	0,2µ	No	Yes	10
21890M18	18G x 80 mm	20G x 900 mm	LOR LL PP	TBA	0,2µ	Yes	Yes	10
31890-18	18G x 80 mm	20G x 900 mm	LOR LL PC	TBA	0,2µ	No	Yes	10
21891-18	18G x 80 mm	20G x 900 mm	LOR LL PP	TBA	0,2µ	No	Yes	10
31891-18	18G x 80 mm	20G x 900 mm	LOR LL PC	TBA	0,2µ	No	Yes	10

EPI MAXI

Set for epidural anaesthesia

POLYSAFE

Set for epidural anaesthesia

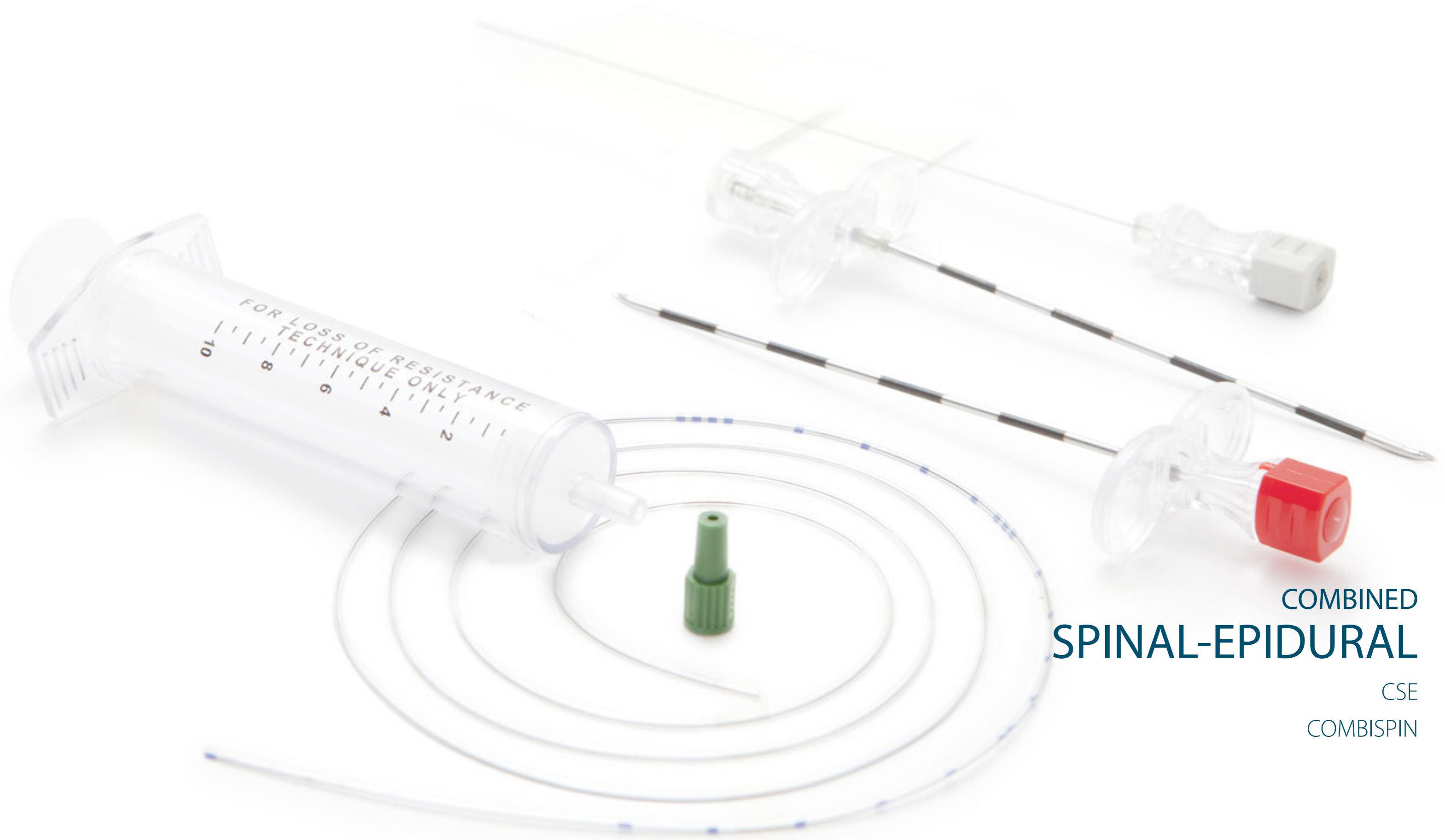


EPI MAXI

REF-NR	TUOHYNEEDLE	CATHETER	SYRINGE	CONNECTOR	FILTER	HYPOD. NEEDLES	ACCESSORIES	UNITS/BOX
41890C18	18Gx80 mm	20Gx900 mm	LOR 10 ml LS PC LOR 5 ml LS PC LOR 10 ml LL PP	TBA	0,2µ	16 Gx50 mm + 21 Gx40 mm + 25 Gx42 mm	- 3 Cups - 1 Prep sponge - 2 Paper towels - Thread Device - 10 Gauge sponges - 1 Adhesive fenestrated drape	15

POLYSAFE

REF-NR	RODIERA NEEDLE	CATHETER	SYRINGE	CONNECTOR	FILTER	CATHETER DE FIXATION	THREAD DEVICE	UNITS/BOX
70517-18	17/18 G x 90 mm	No	LOR LL PP	No	No	No	No	10
02517-18	17/18 G x 90 mm	20Gx900 mm	LOR LL PP	TBA	0,2µ	Yes	Yes	10
02517M18	17/18 G x 90 mm	20G x 900 mm	LOR LL PP	TBA	0,2µ	Yes	Yes	10



COMBINED
SPINAL-EPIDURAL

CSE
COMBISPIN



CSE

Combined anaesthesia

The set **CSE** it's the combination of an Epi-Mini-set with a **Tuohy 17G** needle and a pencil point **spinal needle 27G x 136 mm** needle used for combined spinal epidural anaesthesia

The Move Stop device makes it possible to fix the spinal needle in the desired position.



CSE

REF-NR	TUOHY NEEDLE	SPINAL NEEDLE	CATHETER	SYRINGE	MOVE STOP	CONNECTOR	FILTER	TRANSAFX	UNITS/BOX
14885-17-MS	17G x 90 mm	27G x 136 mm	19G x 900 mm	LOR LL PP	Yes	TBA	0,2μ	Si	10
14985-17	17G x 90 mm	27G x 123 mm	19G x 900 mm	LOR LS PP	No	TBA	0,2μ	Si	10



COMBISPIN

Combined anaesthesia

Combispin it's a sets for the combined technique with a **Rodiera needle**. This set offers the safety of the Rodiera needle which, thanks to its step break system, prevents the spinal needle from carrying the bevel of the epidural needle towards the Dura Mater.

The Move Stop device makes it possible to fix the spinal needle in the desired position.



COMBISPIN

REF-NR	RODIERA NEEDLE	SPINAL NEEDLE	CATHETER	SYRINGE	CONNECTOR	FILTER	ACCESORIES	UNITS/BOX
14517-18-MS	17/18G x 90 mm	27G x 136 mm	20G x 900 mm	LOR LL PP	TBA	0,2μ	- Thread device - Catheter fixation	10
14617-18-MS	17/18G x 90 mm	27G x 136 mm	20G x 900 mm	LOR LS PC	TBA	0,2μ	- Thread device - Catheter fixation	10





PERIPHERAL BLOCKS WITH STIMULATION

POLYSTIM II
UPA
UPB
UPC
UPM
POLYPLEX N
POLYPLEX B
POLYPLEX C

POLYPLEX M
POLYPLEX CT BORGATE
POLYPLEX CK
POLYPLEX T
POLYPLEX ARRO
BLOCK NEEDLE
ILIO SET



POLYSTIM II

Peripheral blocks with stimulation

The **Polystim II** peripheral nerve stimulator offers digital functions, a digital screen, a stimulation field from 0 to 5 mA, with 3 adjustable lengths of stimulating impulses.

These features allow the peripheral nerve to be located rapidly. The actual current transmitted to the patient can be checked simultaneously.



POLYSTIM II			
REF-NR	NAME	DESCRIPTION	UNITS / BOX
27050-01	Polystim II	Stimulator with accessories : monopolar connecting cable, alkaline battery, user's manual, protecting plastic box.	1
07050-02	Monopolar connecting cable	Monopolar connecting cable	1



UPA

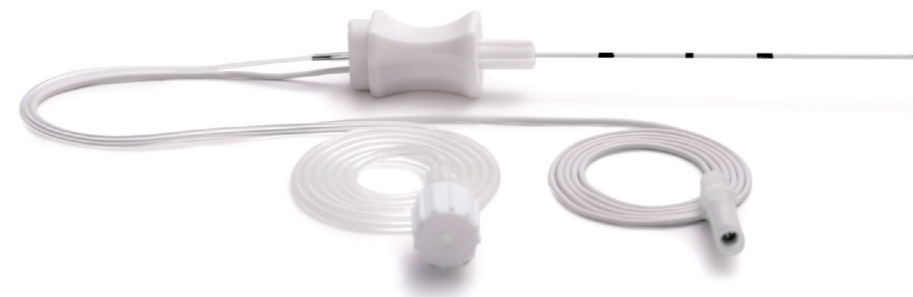
Peripheral blocks with stimulation



The **UPA** stimulation needle offers a **non-traumatic pencil point tip** with the same features as our pencil point spinal needles. Stimulation area is reduced to the extreme tip of the needle, thus providing a reduced stimulation field and higher precision.

ADVANTAGE:

- With their 2 mm female electric connection, the needles are **compatible with all standard peripheral nerve stimulators**.
- The needle is coated with insulating polyesters, and undergoes a dry siliconisation in order to increase its smooth gliding capacity within the tissues, reducing the pain of the patient.
- Centimeter marking on the entire length to enable visual control of the penetration depth.



UPA				
REF-NR	NAME	DIAMETER	LENGTH	UNITS / BOX
02025-24	UPA 25	24G	25 mm	10
02050-22	UPA 50	22G	50 mm	10
02050-23	UPA 50	24G	50 mm	10
02070-22	UPA 70	22G	70 mm	10
02090-22	UPA 90	22G	90 mm	10
02090-21	UPA 90	21G	90 mm	10
02150-21	UPA 150	21G	150 mm	10



UPB

Peripheral blocks with stimulation

The **UPB** stimulation needle offers a **“back cut” de 30° bevel**, which facilitates the penetration thanks to the double bevel. The bevel’s surface is free from polyesters and its stimulation area extends along its entire length.

ADVANTAGE:

- Its over molded ergonomic hub covers the connection between the needle, avoiding any leak of liquid the extension tube and the connecting cable, with double any kind of leakage.
- The needle is coated with insulating polyesters, and undergoes a dry siliconisation process in order to increase its smooth gliding capacity within the tissues, reducing the pain of the patient
- With their 2 mm female electric connection, the needles are **compatible with all standard peripheral nerve stimulators**.



UPB				
REF-NR	NAME	DIAMETER	LENGTH	UNITS / BOX
83025-24	UPB 25	24G	25 mm	10
83030-22	UPB 30	22G	30 mm	10
83035-24	UPB 35	24G	35 mm	10
83050-22	UPB 50	22G	50 mm	10
83070-22	UPB 70	22G	70 mm	10
83090-21	UPB 90	21G	90 mm	10
83100-21	UPB 100	21G	100 mm	10
83120-21	UPB120	21G	120 mm	10
83150-21	UPB 150	21G	150 mm	10



UPC

Peripheral blocks with stimulation

The **UPC** stimulation needle offers a **20° bevel**, the design of which allows easy penetration. Only the extreme tip of the needle is not insulated and stimulates, providing a reduced stimulation field and a higher precision.

ADVANTAGE:

- Its over molded ergonomic hub covers the connection between the needle, the extension tube and the connecting cable, avoiding any leak of liquid.
- The needle is coated with insulating polyesters, and undergoes a dry siliconisation in order to increase its smooth gliding capacity within the tissues, reducing the pain of the patient.
- Centimeter marking on the whole length to allow visual control of the penetration depth.



UPC				
REF-NR	NAME	DIAMETER	LENGTH	UNITS / BOX
92025-24	UPC 25	24G	25 mm	10
92035-24	UPC 35	24G	35 mm	10
92050-22	UPC 50	22G	50 mm	10
92050-23	UPC 50	23G	50 mm	10
92070-23	UPC 70	23G	70 mm	10
92070-22	UPC 70	22G	70 mm	10
92090-22	UPC 90	22G	90 mm	10
92090-21	UPC 90	21G	90 mm	10
92120-21	UPC120	21G	120 mm	10
92150-21	UPC 150	21G	150 mm	10



UPM

Peripheral blocks with stimulation

The **UPM** stimulation needle offers a **short 45° bevel**. Stimulating area includes the entire needle bevel. Its over molded ergonomic hub covers the connection between the needle, the extension tube and the connecting cable, avoiding any leak of liquid.

ADVANTAGE:

- With their 2 mm female electric connection, the needles are **compatible with all standard peripheral nerve stimulators**.
- The needle is coated with insulating polyesters, and undergoes a dry siliconisation in order to increase its smooth gliding capacity within the tissues, reducing the pain of the patient.
- Centimeter marking on the entire length to enable visual control of the penetration depth.



UPM				
REF-NR	NAME	DIAMETER	LENGTH	UNITS / BOX
82025-24	UPM 25	24G	25 mm	10
82050-22	UPM 50	22G	50 mm	10
82070-22	UPM 70	22G	70 mm	10
82090-21	UPM 90	21G	90 mm	10
82120-21	UPM 120	21G	120 mm	10
82150-21	UPM 150	21G	150 mm	10



Polyplex N

Peripheral blocks with stimulation

Polyplex N set is intended for continuous peripheral nerve blocks with a technique of nerve stimulation. **Polyplex N Set offers a UPA stimulation needle** with all the advantages of a pencil-point. This set contains an **IV catheter**.

CHARACTERISTICS:

- The teflonized stylet prevents possible kinking of the catheter and makes it possible to introduce the catheter deep into the nerve sheath.



POLYPLEX N									
REF-NR	NAME	SIZE NEEDLE	SIZE CANULA IV	SIZES CATHETER	STYLET	CONNECTOR	FILTER	ACCESSORIES	UNITS / BOX
14030-21	POLYPLEX NT	21G x 50 mm	18G x 32 mm	20G x 400 mm	Teflon®	TBA	0,2µ	- Catheter Fixation - Thread device	10
04050-21	POLYPLEX N	21G x 70 mm	18G x 51 mm	20G x 400 mm	Teflon®	TBA	0,2µ	- Catheter Fixation - Thread device	10
24050-21	POLYPLEX N	21G x 70 mm	18G x 51 mm	21G x 400 mm	Teflon®	TBA	0,2µ	- Catheter Fixation - Thread device	10
04070-21	POLYPLEX N	21G x 90 mm	18G x 70 mm	20G x 500 mm	Teflon®	TBA	0,2µ	- Catheter Fixation - Thread device	10
04090-21	POLYPLEX N	21G x 100 mm	18G x 83 mm	20G x 500 mm	Teflon®	TBA	0,2µ	- Catheter Fixation - Thread device	10
24090-21	POLYPLEX N	21G x 100 mm	18G x 83 mm	21G x 500 mm	Stimulating	TBA	0,2µ	- Catheter Fixation - Thread device	10



Polyplex B

Peripheral blocks with stimulation

Polyplex B set offers a **UPB** stimulation needle with all the advantages of a “back cut” bevel. The **30° back cut bevel** improves the perception of the needle’s passage through the different tissues.

CHARACTERISTICS:

- The teflonized stylet prevents possible kinking of the catheter and makes it possible to introduce the catheter deep into the nerve sheath.



POLYPLEX B								
REF-NR	SIZES NEEDLE	TALLA CÁNULA IV	SIZES CATHETER	STYLET	CONNECTOR	FILTER	ACCESSORIES	UNITS / BOX
06030-21	21G x 48 mm	18G x 32 mm	21 G x 500 mm	Teflon®	TBA	0,2µ	- Catheter Fixation - Thread device	10
06050-21	21G x 68 mm	18G x 51 mm	21 G x 500 mm	Teflon®	TBA	0,2µ	- Catheter Fixation - Thread device	10
06090-21	21G x 102,3 mm	18G x 83 mm	21 G x 500 mm	Teflon®	TBA	0,2µ	- Catheter Fixation - Thread device	10



Polyplex C

Peripheral blocks with stimulation

The **polyplex C** set offers our **UPC** stimulation needle with all its typical advantages of a **20° bevel** needle, making it possible to pierce without previous incision.

ADVANTAGE:

- The teflonized stylet prevents possible kinking of the catheter and makes it possible to introduce the catheter deep into the nerve sheath.



POLYPLEX C									
REF-NR	SIZES NEEDLE	IV CANNULA SIZE	SIZES CATHETER	STYLET	CONNECTOR	FILTER	ACCESSORIES	UNITS / BOX	
09030-21	21G x 48 mm	18G x 32 mm	20G x 400 mm	Teflon®	TBA	0,2µ	- Catheter Fixation - Thread device	10	
09050-21	21G x 68 mm	18G x 51 mm	20G x 400 mm	Teflon®	TBA	0,2µ	- Catheter Fixation - Thread device	10	
09050T21	21G x 68 mm	18G x 51 mm	20G x 400 mm	Teflon®	TBA	0,2µ	- Transafix - Catheter Fixation - Thread device	10	
29050-21	21G x 69,3 mm	18G x 51 mm	21G x 400 mm	Stimulating	TBA	0,2µ	- Fijador de catéter - Ayuda de introducción	10	
09090-21	21G x 101,3 mm	18G x 83 mm	20G x 500 mm	Teflon®	TBA	0,2µ	- Catheter Fixation - Thread device	10	
29090-21	21G x 102,3 mm	18G x 83 mm	21G x 500 mm	Stimulating	TBA	0,2µ	- Catheter Fixation - Thread device	10	





Polyplex M

Peripheral blocks with stimulation

Polyplex M set is intended for continuous peripheral nerve blocks with a technique of nerve stimulation. **Polyplex M** sets offer the same features as Polyplex N sets, the only difference being the stimulation needle which, in this case, is a **UPM needle (45° bevel)**.

ADVANTAGE:

- The catheter is provided with a detent in teflonado steel folding prevents the catheter in his introduction and allows deep penetration into the vascular-nerve sheaths.
- Improves the perception of the perforation click
- This set contains an **IV catheter**.



POLYPLEX M

REF-NR	NEEDLE SIZE	DIMENSION CÁNULA IV	CATHETER SIZE	STYLET	CONNECTEUR	FILTRE	ACCESSORIES	UNITS /BOX
08050-21	21G x 69,3 mm	18G x 51 mm	20G x 400 mm	Teflon®	TBA	0,2µ	- Catheter Fixation - Thread device	10



Polyplex BORGEOAT

Peripheral blocks with stimulation

According to **Prof. Borgeat Polyplex C.T** sets offer the same features as standard Polyplex C sets, but with a fairly shorter IV cannula. The reduced length of the IV cannula makes the puncture easier because the tip of the IV cannula is distant from the tip of the needle. The diameter of the puncture corresponds to the O.D. of the 21 G stimulation needle.

EXPECTED USE:

- Specific marking on the needle for a technique of high precision.
- As soon as the nerve has been located, the IV cannula can be slide until the first centimeter marking is visible on the stimulation needle, indicating very precisely that the tip of the IV cannula has reached the tip of the needle.



POLYPLEX BORGEOAT

REF-NR	NEEDLE SIZE	DIMENSION CÁNULA IV	CATHETER SIZE	STYLET	CONNECTOR	FILTRE	ACCESSORIES	UNITS /BOX
19032-21	21G x 70 mm	18G x 32 mm	20G x 400 mm	Teflon®	TBA	0,2µ	- Catheter Fixation - Thread device - Mini scalpel	10
19051-21	21G x 100 mm	18G x 51 mm	20G x 400 mm	Teflon®	TBA	0,2µ	- Catheter Fixation - Thread device - Mini scalpel	10
19064-21	21G x 120 mm	18G x 64 mm	20G x 400 mm	Teflon®	TBA	0,2µ	- Catheter Fixation - Thread device - Mini scalpel	10
19090-21	21G x 120 mm	18G x 90 mm	20G x 500 mm	Teflon®	TBA	0,2µ	- Catheter Fixation - Thread device - Mini scapell	10



POLYPLEX CK

Peripheral blocks with stimulation

Polyplex C K it's a set for continuous peripheral nerve blocks with catheter through needle technique and 18G UPC needle **without IV cannula**. The absence of IV catheter reduces time for catheter insertion. **Polyplex CK** sets offer the same features as Polyplex C sets but without the help of an IV catheter.

ADVANTAGE:

- The catheter is introduced directly into the inner lumen of the stimulation needle, which obviously has a wider diameter than a Polyplex C needle with IV catheter (18G instead of 21G).



POLYPLEX CK

REF-NR	NEEDLE SIZE	CATHETER SIZE	STYLET	CONNECTOR	FILTER	ACCESSORIES	UNITS /BOX
09030-18	18G x 30 mm	21G x 400 mm	Teflon®	TBA	0,2µ	- Catheter Fixation - Thread device - Extension tube	10
29030-18	18G x 30 mm	21G x 400 mm	Stimulating	TBA	0,2µ	- Catheter Fixation - Thread device - Extension tube	10
09050-18	18G x 50 mm	21G x 400 mm	Teflon®	TBA	0,2µ	- Catheter Fixation - Thread device - Extension tube	10
29050-18	18G x 50 mm	21G x 400 mm	Stimulating	TBA	0,2µ	- Catheter Fixation - Thread device - Extension tube	10
09050T18	18G x 50 mm	21G x 400 mm	Stimulating	TBA	0,2µ	- Catheter Fixation - Thread device - Extension tube	10
09070-18	18G x 70 mm	21G x 500 mm	Teflon®	TBA	0,2µ	- Catheter Fixation - Thread device - Extension tube	10
09090-18	18G x 90 mm	21G x 500 mm	Teflon®	TBA	0,2µ	- Catheter Fixation - Thread device - Extension tube	10
29090-18	18G x 90 mm	21G x 500 mm	Stimulating	TBA	0,2µ	- Catheter Fixation - Thread device - Extension tube	10
09120-18	18G x 120 mm	21G x 500 mm	Teflon®	TBA	0,2µ	- Catheter Fixation - Thread device - Extension tube	10
09150-18	18G x 150 mm	21G x 500 mm	Teflon®	TBA	0,2µ	- Catheter Fixation - Thread device - Extension tube	10
29150-18	18G x 150 mm	21G x 500 mm	Stimulating	TBA	0,2µ	- Catheter Fixation - Thread device - Extension tube	10



POLYPLEX T

Peripheral blocks with stimulation



Polyplex T it's a set for continuous peripheral nerve blocks with catheter and Tuohy needle **without IV cannula**. **Polyplex T** sets offer the same advantages as polyplex CK sets, with a Tuohy type needle instead of a 20° bevel.

ADVANTAGE:

- The Tuohy needle allows the catheter to be withdrawn diagonally, which makes the introduction into certain vascular nerve sheaths easier (Scalenus, Ischiadicus...)



POLYPLEX T

REF-NR	NEEDLE SIZE	CATHETER SIZE	STYLET	CONNECTOR	FILTER	ACCESSORIES	UNITS /BOX
08050-18	18G x 50 mm	21G x 500 mm	Teflon®	TBA	0,2µ	- Catheter Fixation - Thread device - Extension tube	10
28050-18	18G x 50 mm	21G x 400 mm	Stimulating	TBAdapter	0,2µ	- Catheter Fixation - Thread device - Extension tube	10
08090-18	18G x 90 mm	21G x 750 mm	Teflon®	TBA	0,2µ	- Catheter Fixation - Thread device - Extension tube	10
28090-18	18G x 90 mm	21G x 500 mm	Stimulating	TBAdapter	0,2µ	- Catheter Fixation - Thread device - Extension tube	10
08120-18	18G x 120 mm	21G x 900 mm	Teflon®	TBA	0,2µ	- Catheter Fixation - Thread device - Extension tube	10
08150-18	18G x 150 mm	21G x 900 mm	Teflon®	TBA	0,2µ	- Catheter Fixation - Thread device - Extension tube	10
28150-18	18G x 150 mm	21G x 500 mm	Stimulating	TBAdapter	0,2µ	- Catheter Fixation - Thread device - Extension tube	10

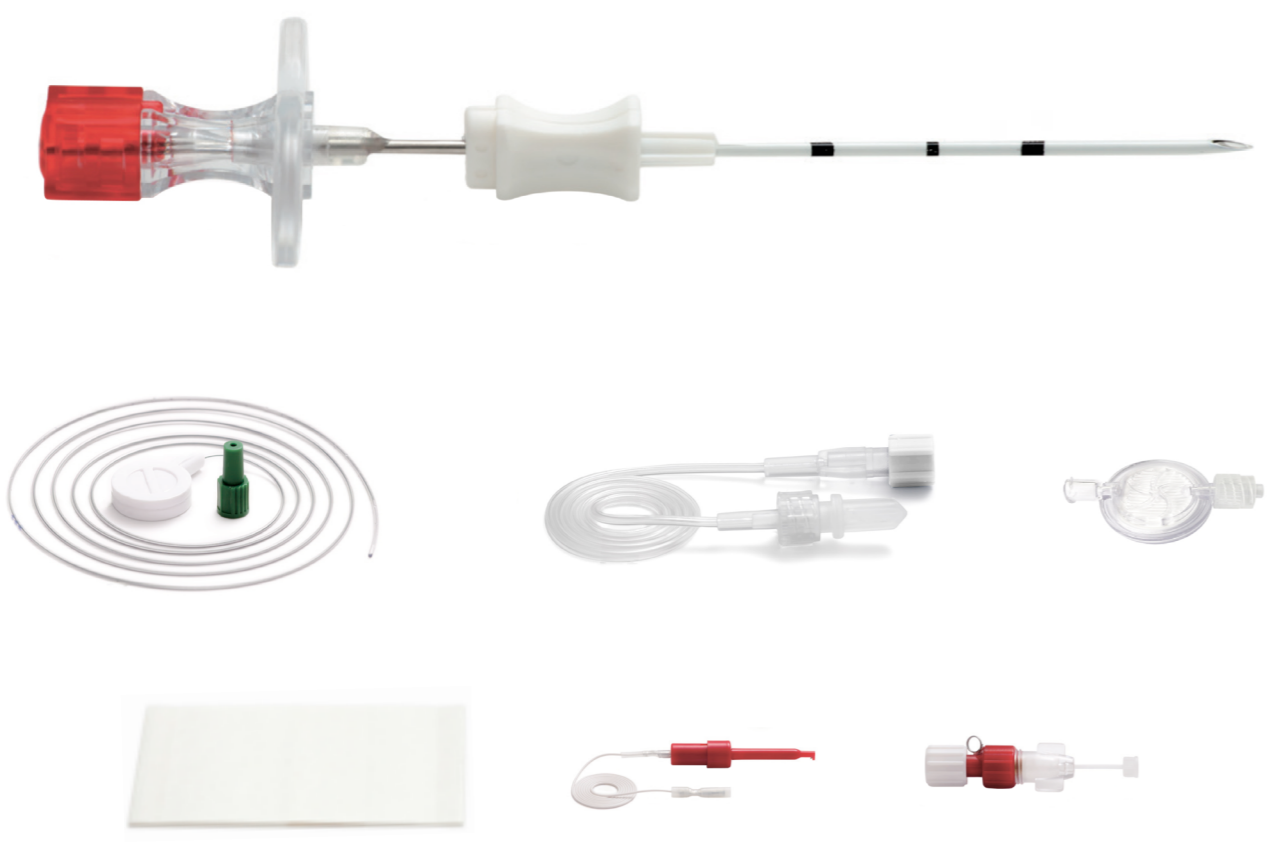


POLYPLEX T ARRO

Peripheral blocks with stimulation

Polyplex T Arro it's a sets intended for continuous peripheral blocks with nerve stimulation technique. It includes:

- Nerve stimulation needle with Tuohy bevel
- PA catheter with stimulating sear
- Thread device
- Tuohy Borst Adaptor-Ring + New J-clip
- Filter 0.2 μ
- Catheter Fixation
- Extension tube 600mm



POLYPLEX T ARRO							
REF-NR	NEEDLE SIZE	CATHETER SIZE	STYLET	CONNECTOR	FILTER	ACCESSORIES	UNITS /BOX
28050C17	17G x 50 mm	21Gx600mm	Stimulating 0.15 mm	TBA + New J clip	0,2μ	- Catheter Fixation - Thread device - Extension tube	10
28090C17	17G x 90 mm	21Gx600mm	Stimulating 0.15 mm	TBA + New J clip	0,2μ	- Catheter Fixation - Thread device - Extension tube	10
28150C17	17G x 150 mm	21Gx600mm	Stimulating 0.15 mm	TBA + New J clip	0,2μ	- Catheter Fixation - Thread device - Extension tube	10



BLOCK NEEDLE

Emergencies - without stimulation



"BLOCK NEEDLE" 45° BEVEL FOR NERVE BLOCKS WITHOUT STIMULATION				
REF-NR	SIZE	LENGTH	PVC EXTENSION TUBE	UNITS /BOX
BN050-22	22G	50 mm	600 mm	10
BN075-22	22G	75 mm	600 mm	10
BN025-24	24G	25mm	600 mm	10



ILIO

Set for continuous nerve block without stimulation

ILIO-SET offers our "block needle" 45° bevel with all the accessories available as in all the other polyplex sets.



ILIO							
REF-NR	SIZE	CATHETER SIZE	STYLET	CONNECTOR	FILTER	ACCESSORIES	UNITS /BOX
BN118-50	18 G x 50 mm	21 G x 400 mm	Teflon®	TBA	0,2μ	- Thread device - Extension tube	10



NERVE BLOCKS
UNDER ULTRASOUND

- USC
- USB
- ECHO POLYPLEX
- ECHO POLYPLEX T
- ECHO POLYPLEX D
- HYBRID NEEDLE
- ECHO POLYPLEX CK MAXI (CK D)



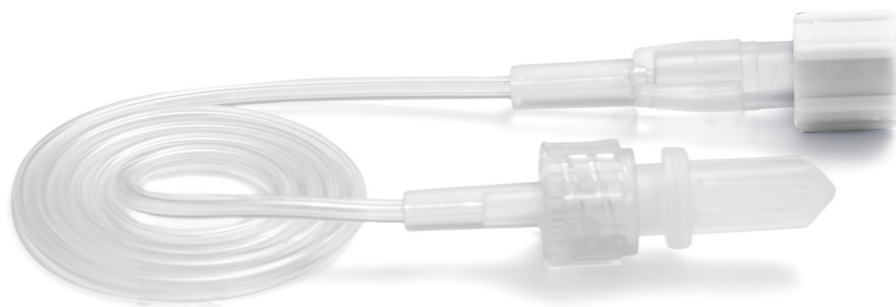
USC

Nerve blocks under ultrasound

The **USC** needle for the research of muscular nerve sheaths was conceived so you can observe them clearly - whilst moving through the tissues - on the screen of an ultra sound machine thanks to a surface treatment of the steel tubing and a specially designed **20° bevel**.

Both qualities together facilitate their guidance thanks to the screen of the US machine. This technique has proved to be an alternative to the stimulation of peripheral nerves

*** PRODUCT AVAILABLE IN EVOLUTION VERSION**



USC				
REF-NR	SIZE	LENGTH	PVC EXTENSION TUBE	UNITS / BOX
USC050-22	22 G	50 mm	600 mm	10
USC070-22	22 G	70 mm	600 mm	10
USC090-21	21 G	90 mm	600 mm	10
USC100-21	21 G	100 mm	600 mm	10
USC120-21	21 G	120 mm	600 mm	10



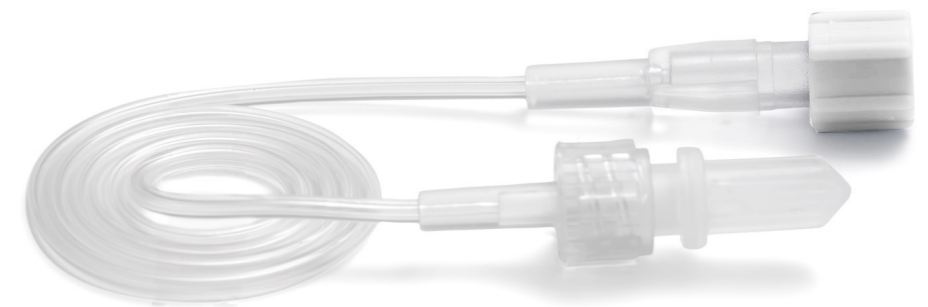
USB

Nerve blocks under ultrasound

The **USB** for the research of muscular nerve sheaths was conceived so you can observe them clearly - whilst moving through the tissues - on the screen of an ultra sound machine thanks to a surface treatment of the steel tubing.

The USB ultrasound needle is provided with a **30 °“CUT BACK” bevel**.

*** PRODUCT AVAILABLE IN EVOLUTION VERSION**



USB				
REF-NR	SIZE	LENGTH	PVC EXTENSION TUBE	UNITS / BOX
USB035-24	24G	35 mm	600 mm	10
USB050-24	24G	50 mm	600 mm	10
USB050-22	22 G	50 mm	600 mm	10
USB070-22	22 G	70 mm	600 mm	10
USB090-21	21 G	90 mm	600 mm	10
USB100-21	21G	100 mm	600 mm	10
USB120-21	21 G	120 mm	600 mm	10



ECHO POLYPLEX

Nerve blocks under ultrasound

Echo Polyplex offers our **USC** needle with all its advantages, in a set with teflon catheter with surety.



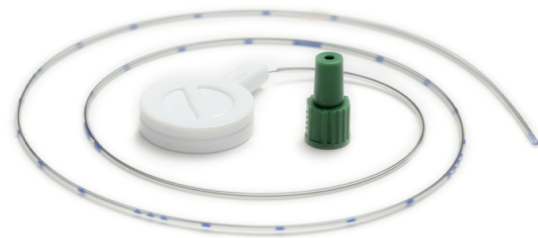
ECHO POLYPLEX

REF-NR	SIZE NEEDLE	CATHETER SIZE	STYLET	CONNECTOR	FILTER	ACCESSORIES	UNITS /BOX
26951-18	18G x 50 mm	20G x 400 mm	Teflon®	TBA	0,2μ	- Thread device	10
26991-18	18G x 90 mm	20G x 500 mm	Teflon®	TBA	0,2μ	- Thread device	10



ECHO POLYPLEX T

REF-NR	SIZE NEEDLE	CATHETER SIZE	STYLET	CONNECTOR	FILTER	ACCESSORIES	UNITS /BOX
26952-17	17G x 50 mm	19G x 500 mm	Coiled	TBA	0,2μ	- Catheter Fixation - Thread device - Extension tube	10



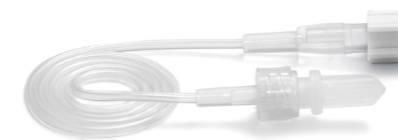
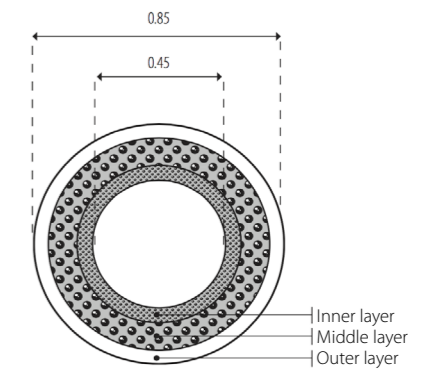
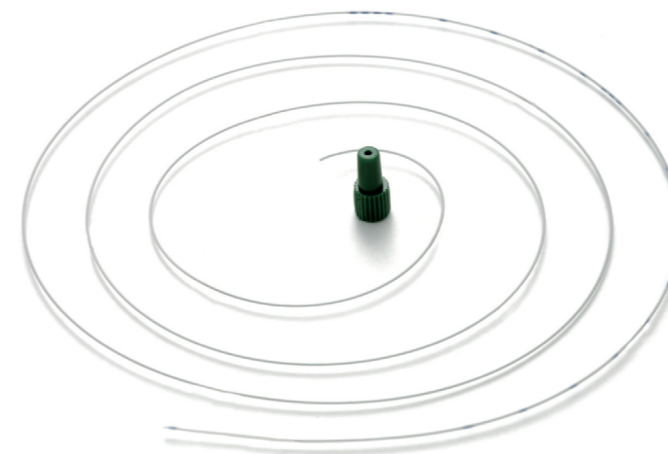

ECHO POLYPLEX D

Nerve blocks under ultrasound

The **Diamond catheters** are defined, as echogenic catheters made of co-extruded in Pebax by mean of incorporated glass bubbles filled with inert gas for use of medical devices, which enables maximum visibility under ultrasound. Set for continuous peripheral nerve block with ultrasound needle and ultrasound catheter

ADVANTAGE

- The best visibility under ultrasound with the catheter Diamond
- Easy connection with Luer-Lock syringes
- Length of the extension line adapted to the asepsis area



ECHO POLYPLEX D

REF-NR	SIZE NEEDLE	CATHETER SIZE	STYLET	CONNECTOR	FILTER	ACCESSORIES	UNITS /BOX
26951D18	18G x 50 mm	20G x 400 mm	No	TBA	0,2μ	- Thread device - Extension tube	10
26991D18	18G x 90 mm	20G x 500 mm	No	TBA	0,2μ	- Thread device - Extension tube	10



HYBRID

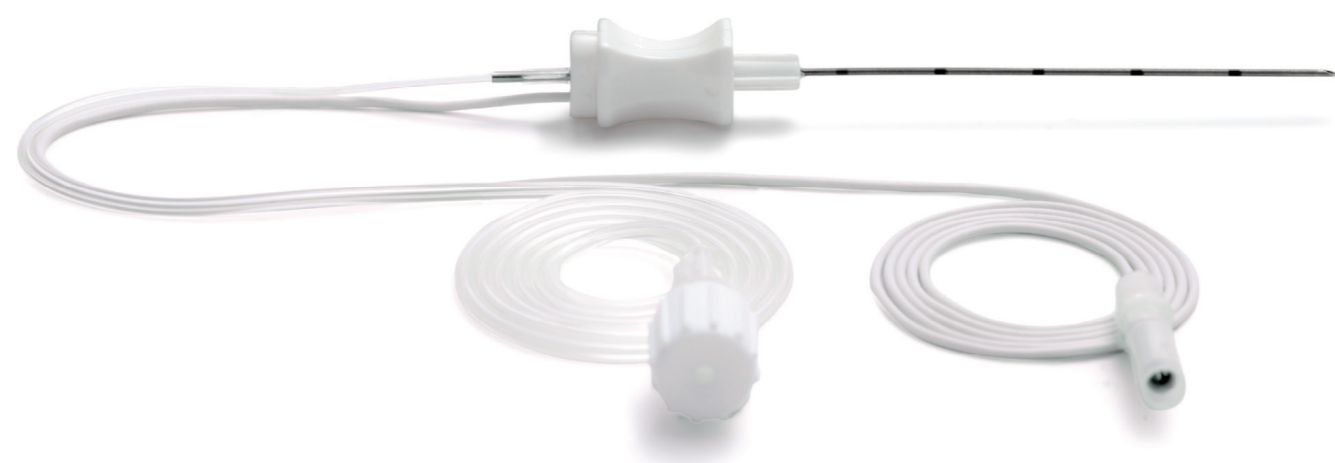
Nerve blocks under ultrasound

The **hybrid** needles have a **30° or 20° bevel** allowing a puncture with little resistance allowing, peripheral nerve blocks performed by nerve or by ultrasound stimulation technique.

CHARACTERISTICS:

- The coating of the echogenic needle is manufactured with an ultrathin coat of a new material that does not reduce needle detection under ultrasound.
- This new needle offers a high resolution in both techniques.

* **PRODUCT AVAILABLE IN EVOLUTION VERSION**



HYBRID 20°

REF-NR	SIZE	LENGTH	UNITS / BOX
EH035-22	22G	35 mm	10
EH055-22	22G	55 mm	10
EH095-21	21G	95 mm	10
EH125-21	21G	125 mm	10
EH150-21	21G	150 mm	10

HYBRID 30°

REF-NR	SIZE	LENGTH	UNITS / BOX
EHB055-22	21G	55 mm	10
EHB095-21	22G	95 mm	10



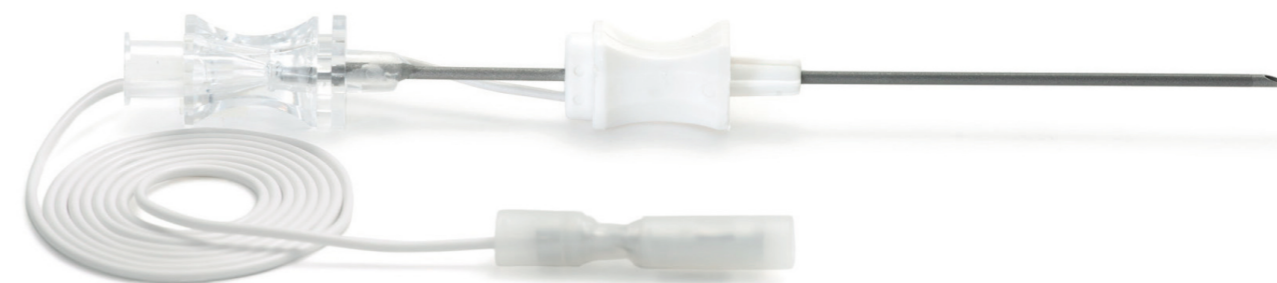
ECHO POLYPLEX CK MAXI (CK D)

Nerve blocks under ultrasound

Echo Polyplex CK MAXI was conceived especially for anesthetists and contains all sterile medical devices which are necessary for undertaking continuous nerve blocks under ultra-sound guidance without having to renounce to the possibility of nerve stimulation.

Echo Polyplex CK D set was designed to perform continuous nerve blocks with catheter needle stimulation and ultrasound Diamond.

- The **“Diamond”** catheters are defined, as echogenic catheters made of co-extruded in Pebax by mean of incorporated glass bubbles filled with inert gas for use of medical devices, which enables maximum visibility under echography.



POLYPLEX CK MAXI

REF-NR	SIZE NEEDLE	CATHETER SIZE	CONNECTOR	FILTER	ACCESSORIES	UNITS / BOX
EH050-18	18 G x 50 mm	20 G x 400 mm	TBA	0,2μ	- With Introducer - Catheter fixation - 2 Extension tube in PVC - Surgical sponge - 10 Gauze sponges 10 X 10 cm - Adhesive drape	3

POLYPLEX CK D

REF-NR	SIZE NEEDLE	CATHETER SIZE	CONNECTOR	FILTER	UNITS / BOX
EHD050-18	18G (1.35 mm) x 50 mm	20 G x 400 mm	TBA	0,2μ	10

10



PARIETAL INFILTRATION

INFILCATH
ANALGESIA
POLYCATH

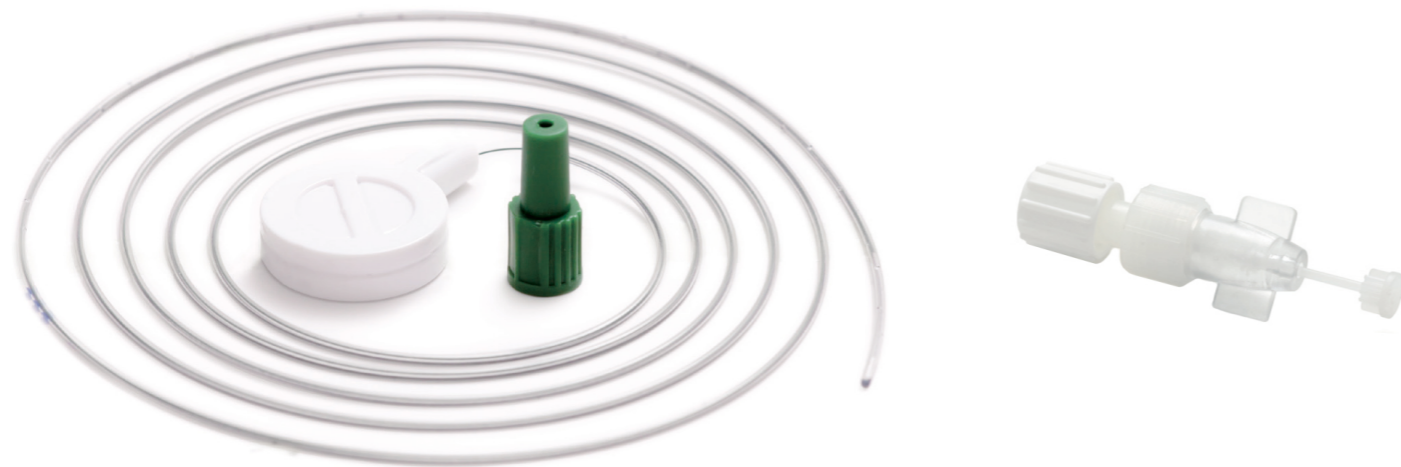


INFILCATH

Parietal infiltration

The **multi-hole catheters Polycath** make it possible to achieve an analgesia or anaesthesia thanks to a continuous infiltration for wider areas regardless of the length of the diffusion area and the indication.

This perfect diffusion is possible thanks to of **6/12/21/48 holes** the helicoidally distribution in diffusion areas from **20 – 332 mm**.



INFILCATH								
REF-NR	CATHETER		STYLET	CONNECTOR	LENGTH OF THE DIFFUSION AREA	NUMBER OF HOLES / DISTANCE	UNITS/BOX	
	DIAMETER	LENGTH						
A	03590SB20	20G	900 mm	Teflon®	TBA	20 mm	6 holes at a distance of 4 mm.	10
B	03590SA20	20G	900 mm	Teflon®	TBA	66 mm	6 holes distributed in 2 groups with 3 holes, with a distance of 4 mm between them and a distance of 50 mm between both groups.	10
C	03590DB20	20G	900 mm	Teflon®	TBA	70 mm	12 holes distributed in 2 groups with 6 holes, with a distance of 4 mm between them and a distance of 30 mm between both groups.	10
D	03590DA20	20G	900 mm	Teflon®	TBA	120 mm	12 holes distributed in 2 groups with 6 holes, with a distance of 4 mm between them and a distance of 80 mm between both groups.	10
E	03590DG36	19G	900 mm	Teflon®	TBA	143 mm	21 holes with a distance of 4 mm between them at a length of 143 mm.	10
F	03590DG84	19G	900 mm	Teflon®	TBA	332 mm	48 holes with a distance of 4 mm between them at a length of 332 mm.	10



ANALGESIA

Parietal infiltration

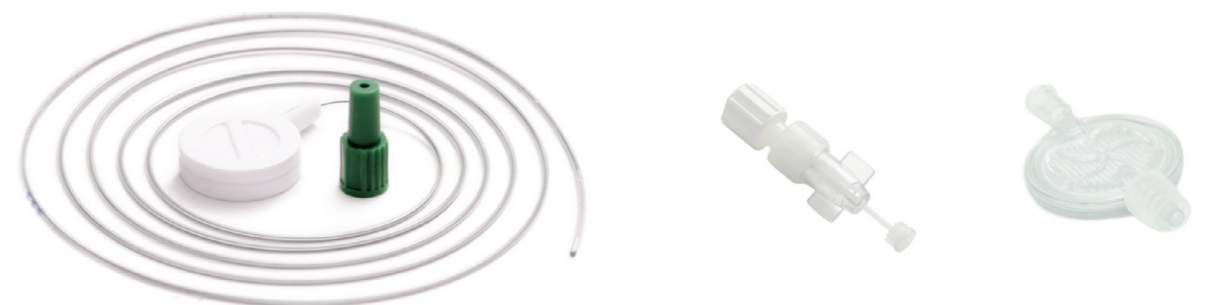
Set with Tuohy needle as introducer

• **The infiltration set contains:**

- A multi hole catheter
- A Tuohy needle (2 lengths available) for subcutaneous tunneling.



ANALGESIA							
REF-NR	MULTI HOLE CATHETER	STYLET	SIZES TUOHY NEEDLE	FILTER	ACCESSORIES	UNITS / BOX	
A	78150DA18	20G x 900 mm Typ D	Teflon®	18G x 150 mm	Yes	- TBA - Thread device	10
B	78150DB18	20G x 900 mm Typ C	Teflon®	18G x 150 mm	Yes	- TBA - Thread device	10





POLYCATH

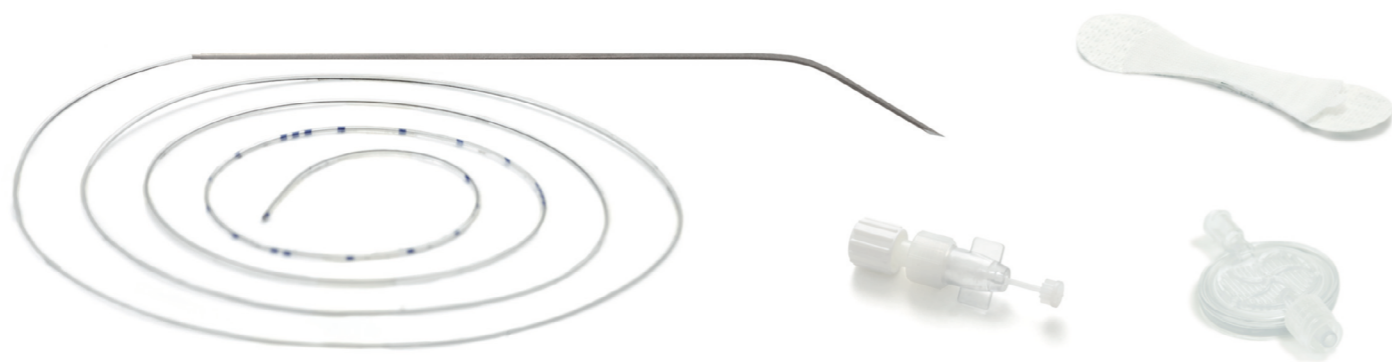
Parietal infiltration

Set with Alene introducer

Sets for continuous infiltration contain:

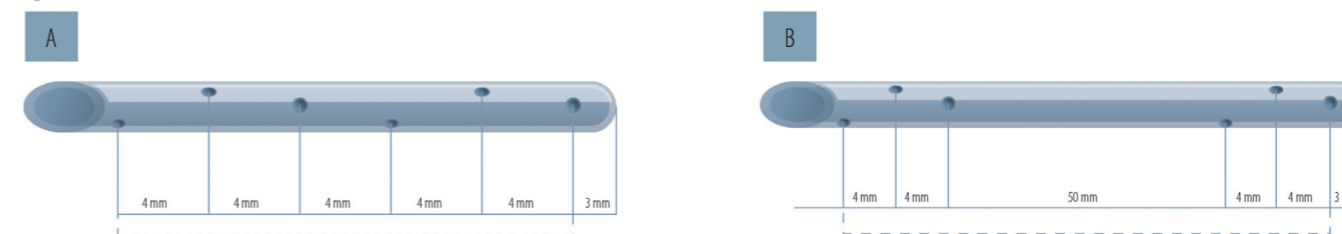
- Polycath multi-perforated catheter
- Introducer
- Connector
- Filter 0,2 μ
- Fixator catheter

These sets allow the catheter is inserted under the best conditions for technical and safety.

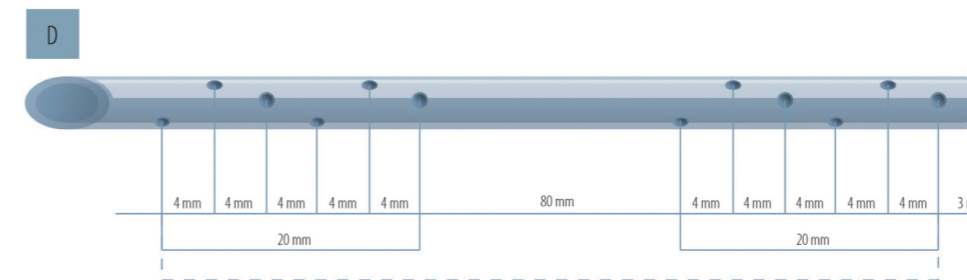
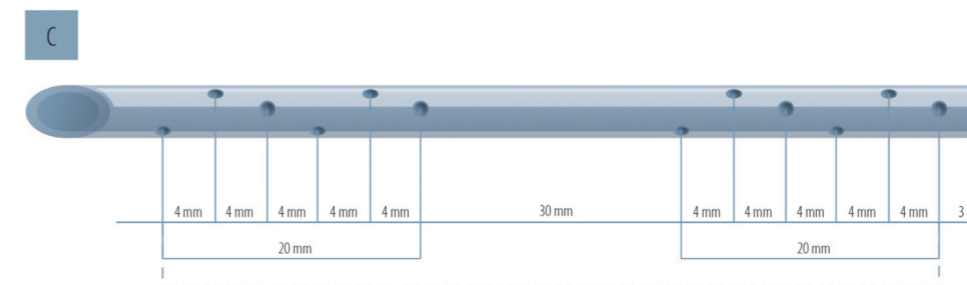


POLYCATH									
REF-NR	CATHETER		STYLET	CONNECTOR	LENGTH OF THE DIFFUSION AREA	FILTER	NUMBER OF HOLES / DISTANCE	UNITS/BOX	
	DIAMETER	LENGTH							
A	78590SB20I	20G	900 mm	Teflon®	TBA	20 mm	Yes	6 holes at a distance of 4 mm.	10
B	78590SA20I	20G	900 mm	Teflon®	TBA	66 mm	Yes	6 holes distributed in 2 groups with 3 holes, with a distance of 4 mm between them and a distance of 50 mm between both groups.	10
C	78590DB20I	20G	900 mm	Teflon®	TBA	70 mm	Yes	12 holes distributed in 2 groups with 6 holes, with a distance of 4 mm between them and a distance of 30 mm between both groups.	10
D	78590DA20I	20G	900 mm	Teflon®	TBA	120 mm	Yes	12 holes distributed in 2 groups with 6 holes, with a distance of 4 mm between them and a distance of 80 mm between both groups.	10
E	78590DG36I	19G	900 mm	Teflon®	TBA	143 mm	Yes	21 holes with a distance of 4 mm between them at a length of 143 mm.	10
F	78590DG84I	19G	900 mm	Teflon®	TBA	332 mm	Yes	48 holes with a distance of 4 mm between them at a length of 332 mm.	10

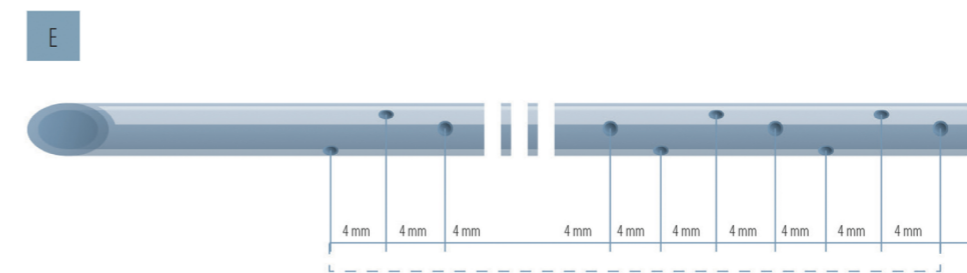
6 HOLE CATHETER



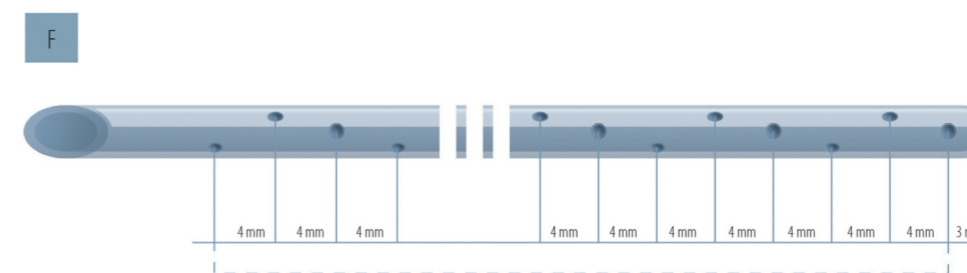
12 HOLE CATHETER



21 HOLE CATHETER



48 HOLE CATHETER





OTHER PRODUCTS

PERI/RETROBULBAR NEEDLES

SETS FOR CONTINUOUS RETROBULBAR

HUBER NEEDLE

CHIBA NEEDLE

CATHETER FOR EPIDURAL ANAESTHESIA

ACCESSORIES



PERI/RETROBULBAR NEEDLE

Other products

Standard **ophthalmic needles** can harm the cornea with the sharp edges and sharp winglets of their hub. Peribulbar and retrobulbar needles avoid any possible damage to the cornea thanks to their perfectly rounded non-traumatic hub with Luer Slip connection.

These needles are equipped with a well grinded bevel offering the anesthetist greater control.



PERIBULBAR

REF-NR	DIAMETER	LENGTH	UNITS / BOX
PB 025-25	25G	25 mm	10



RETROBULBAR

REF-NR	DIAMETER	LENGTH	UNITS / BOX
PB 035-25	25G	35 mm	10

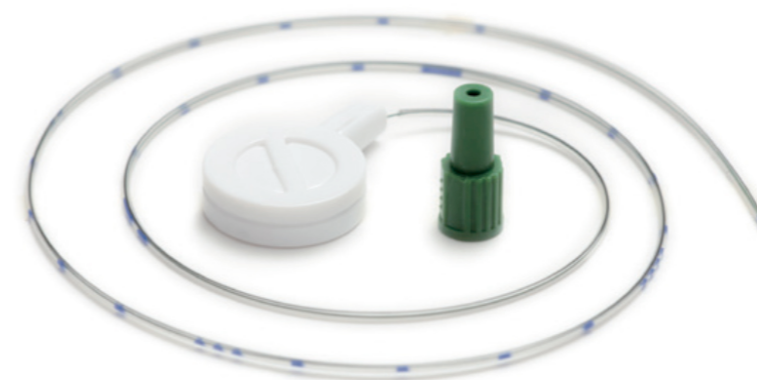


SET FOR RETROBULBAR ANAESTHESIA

Other products

This set it's perfect for longer lasting ophthalmological interventions like vitrectomie or displacement of the retina. The Set contains a **22G Peribulbar needle**, which allows to introduce a **28G PA catheter with stylet**.

The needle hub offers a conical entrance with a rounded edge, so it makes easy to introduce this PA-Micro catheter.



SETS FOR CONTINUOUS RETROBULBAR ANAESTHESIA

REF-NR	RETROBULBAR NEEDLE	CATHETER	SYRINGE	CONNECTOR	FILTER	UNITS / BOX
PB 128-35	22 G x 35 mm	28 G x 400 mm	2,5 ml LL	TBA	0.2μ	10



HUBER NEEDLE

Other products

Huber needles can be used to fill all classes of implantable ports. They are available as **straight and angled (90°) version** in different lengths, with **or without extension tube in PVC**. The authentic Huber bevel avoids significant damages in the silicone membrane of the port.

STRAIGHT HUBER NEEDLES FOR IMPLANTABLE PORTS

REF-NR	DIAMETER	LENGTH	UNITS / BOX
20022-25	22 G (0.7 mm)	25 mm	100
20022-37	22 G (0.7 mm)	37 mm	100
20020-25	22 G (0.9 mm)	25 mm	100
20019-25	20 G (1.1 mm)	25 mm	100

90° ANGLED HUBER NEEDLES FOR IMPLANTABLE PORTS

REF-NR	DIAMETER	LENGTH	UNITS / BOX
21022-20	22 G (0.7 mm)	20 mm	100
21022-25	22 G (0.7 mm)	25 mm	100
21022-30	22 G (0.7 mm)	30 mm	100
21020-25	20 G (0.9 mm)	25 mm	100
21020-30	20 G (0.9 mm)	30 mm	100
21019-25	19 G (1.1 mm)	25 mm	100

HUBER NEEDLES FOR IMPLANTABLE PORTS WITH EXTENSION TUBE: HUBERLONG

REF-NR	DIAMETER	LENGTH	EXTENSION TUBE	UNITS / BOX
90011-19	19 G (1.1 mm)	20 mm	200 mm	50
90012-19	19 G (1.1 mm)	25 mm	200 mm	50
90010-20	20 G (0.9 mm)	20 mm	200 mm	50
90011-20	20 G (0.9 mm)	25 mm	200 mm	50
90011-22	22 G (0.7 mm)	20 mm	200 mm	50



CHIBA NEEDLE FOR BIOPSY

Other products

The standard use of **Chiba Needles** is **for biopsies**. Siliconized stainless steel of medical quality to reduce friction when inserting the needle.

ADVANTAGE:

- Easy-to-open blister pack, to prevent items from falling out when opening the blister.
- Color code on stylet hub and packaging allowing a quick and easy identification of the size of the product.



CHIBA NEEDLES

REF-NR	SIZES		COLOUR CODE	UNITS / BOX
	DIAMETER	LENGTH		
95200-18	18G	200 mm	● PINK	25
95200-20	20G	200 mm	● YELLOW	25
95200-22	22G	200 mm	● BLACK	25
95150-20	20G	150 mm	● YELLOW	25



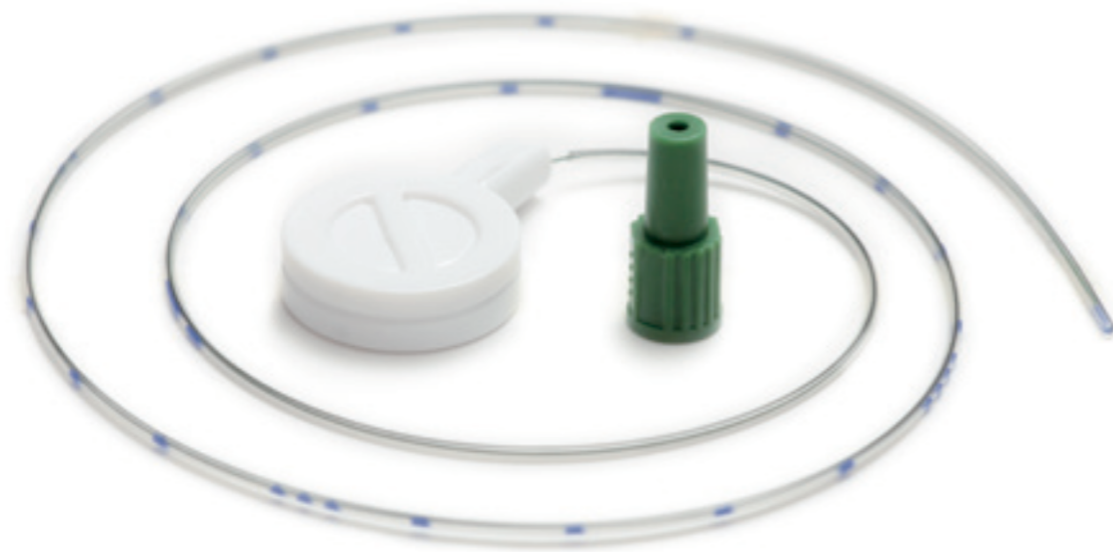
CATHETERS FOR EPIDURAL ANAESTHESIA

Other products

Epidural catheters are made of **polyamide (PA)**. Standard versions offer a closed distal tip and 3 lateral eyes (*helicoïdally distribution*) near the tip. Some catheters are equipped with a teflonized steel stylet, increasing the catheter's stiffness and facilitating the introduction of the catheter.

Standard size catheters are centimeter marked in blue in order to control the penetration depth of the catheter.

All versions include a thread device and a specific Tuohy Borst Adapter.



EPIDURAL CATHETER

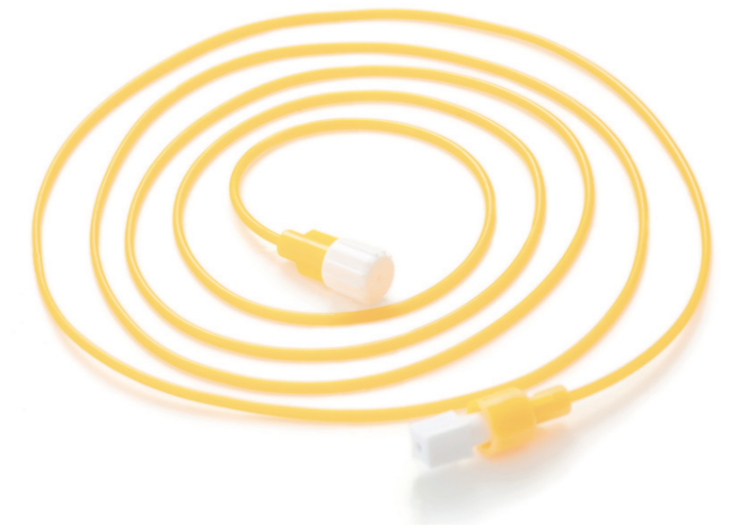
REF-NR	DIAMETER	LENGTH	TEFLONIZED	STYLET	UNITS / BOX
03590-20	20G	900 mm	No	Yes	10
03590M20	20G	900 mm	0.2 x 900 mm	Yes	10



ACCESSORIES

Other products

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ACCESSORIES

REF-NR	NAME	FUNCTION	FEATURES	UNITS / BOX
26010200	Filter	Withholds bacterias and particles	Polysulfon 0.2 µ	20
26010400	Filter with skin fixation	Withholds bacterias and particles	Polysulfon 0.2 µ	10
091051-1	TBA	Catheter connector	Connection	10
291051	Stim TBAdapter	Stimulating catheter connector	Connection	10
26000000	Transafix	Catheter fixation	Polyamide	25
26030001	Yellow extension tube	Extension tube for RA	Polyethylene	20

