



PRODUCT CATALOGUE

CARDIAC RHYTHM MANAGEMENT

HEARTWIRES
TEMPORARY PACING
EP DIAGNOSTIC LEADS
EXTERNAL PACEMAKER
CABLES AND ADAPTERS FOR EXTERNAL PACEMAKER
PSA PACING CABLES
INTRODUCERS
TRANSESOPHAGEAL RECORDING AND PACING



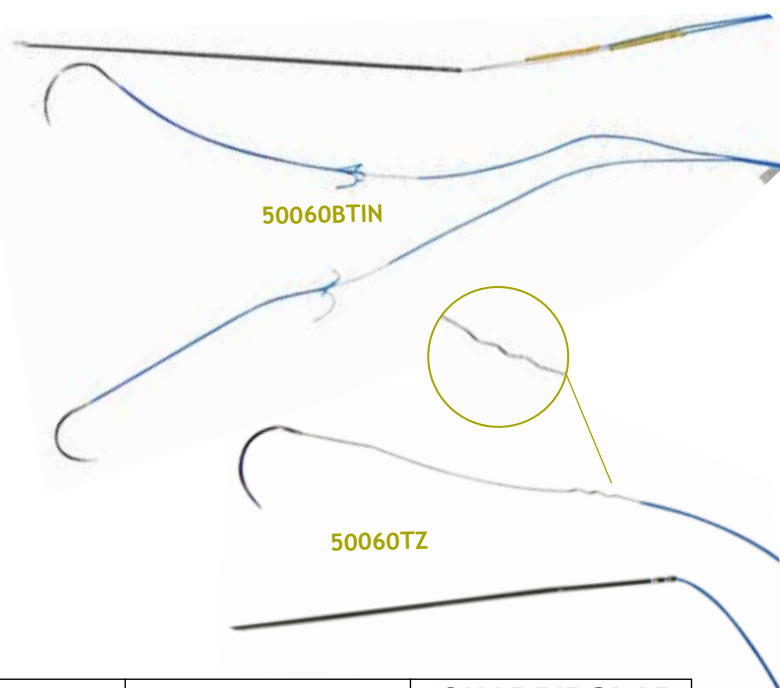
MYOPACE[®] HEARTWIRES

Myopace myocardial leads are sterile and disposable wires intended for temporary cardiac pacing after cardiac surgery. Made by a multi-stranded insulated wire, whose ends are fixed to the thorax needle (straight or curved) and to the heart needle, the range of electrodes includes unipolar, bipolar and quadripolar models, adult and pediatric, distinguished by the shape of the fixing surface (straight, zigzag, with tines, hook, loop). The colour of the insulation can be blue or white. Bipolar and quadripolar models can be supplied in bifurcated or in line configuration. Available lengths are 60 cm or 220 cm for adults and 55 cm or 220 cm for pediatric models. 220 cm bipolar and quadripolar models are wrapped on a special spool.



UNIPOLAR ADAPTER MYOCONNECTOR

Myoconnector allows to equip FIAB Myopace with a 2 mm plug and it's particularly intended to be used with 220 cm long models.



UNIPOLAR	BIPOLAR BIFURCATED	BIPOLAR IN LINE	QUADRIPOlar BIFURCATED	QUADRIPOlar IN LINE
Colour Blue White	Colour Blue-Blue White-White	Colour 4xBlue 4xWhite 2xBlue + 2xWhite	Colour Blue-Blue White-White	Colour 2xBlue + 2xWhite
Connection Cutted thorax needle or Myoconnector	Connection 2x 1 mm Pin or Myoconnector		Connection 4x 1 mm Pin or Myoconnector	
Length 60 cm or 220 cm (for adults), 55 cm (paediatric)				
Fixing surface: Straight (T) Zig Zag (TZ) Tines (TIN) Hook (TV) Loop (TL)			Fixing surface: Straight (T) Zig Zag (TZ) Tines (TIN) Hook (TV) Loop (TL) 2xHook + 2xTines (TINV) 2xLoop + 2xTines (TINL)	

MYOPACE REFERENCE KEY

Ref. 5

<input type="checkbox"/> Poles 0 = 1 pole 1 = 2x1 pole 2 = 2 poles 4 = 4 poles	<input type="checkbox"/> Length 050 = 55 cm (paediatric) 060 = 60 cm (for adults) 220 = 220 cm (for adults)	<input type="checkbox"/> Chest Needle Shape <empty> = straight needle A = straight needle full tip C = bent needle 3/8 circle	<input type="checkbox"/> Unrolling type <empty> = cardiac needle first R = chest needle first	<input type="checkbox"/> Cable colour <empty> = blue (unipolar) = blue/white (bipolar) B = blue (bipolar) W = white BW = blue and white	<input type="checkbox"/> Fixing method <empty>= straight (only paediatric) T = straight TIN = tines TZ = zig zag TV = hook or V shaped TL = loop TINV = 2 tines + 2 hooks TINL = 2 tines + 2 loops	<input type="checkbox"/> Adult/paediatric <empty>= adult P = paediatric	<input type="checkbox"/> Adaptor <empty> = without adaptor M = with Myoconnector 2mm pin
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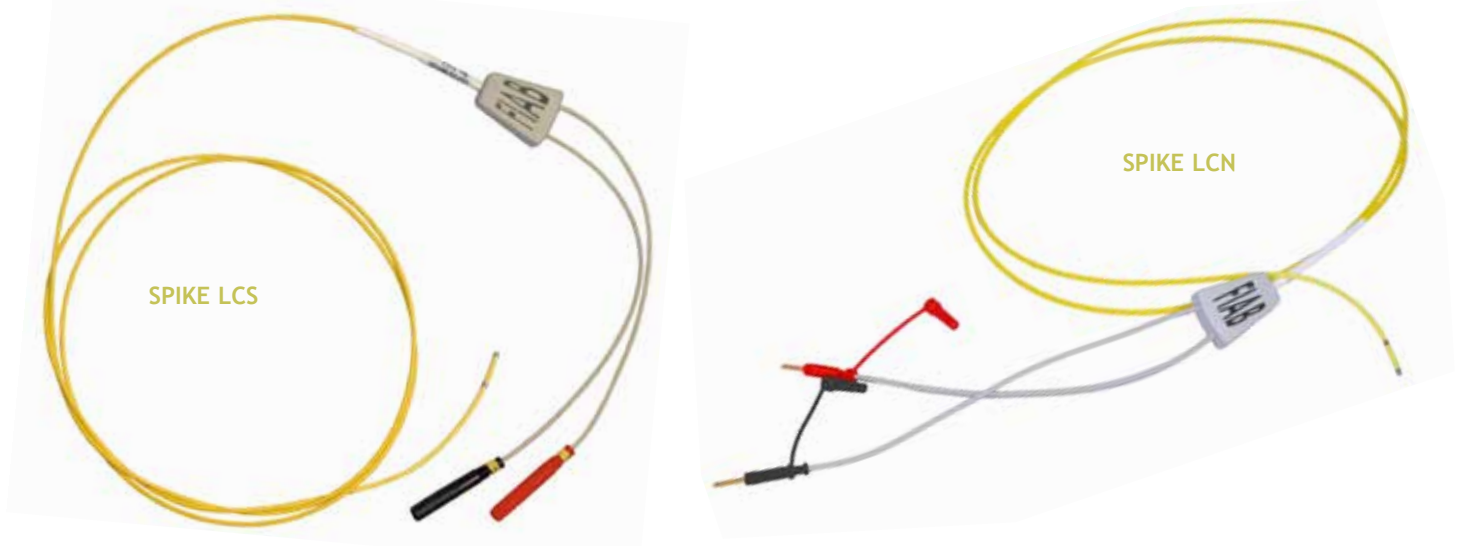
Example giving...
Ref 50060WTINM - Myopace, unipolar, 60 cm (for adults), white, straight with tines, with adaptor

TEMPORARY PACING



SPIKE LC

Temporary pacing SPIKE LC leads are designed to provide a reliable cardiac pacing and recording. The not braided shaft and the internal solid core allows a precise control without excessive stiffness. The leads are sterile, disposable, latex free and they are equipped with AISI stainless steel electrodes. The range of the preshaped curves include different solution for the positioning in the ventricle and atrium both through inferior and superior vena cava. The straight curve offer the possibility of pre-formation. SPIKE LC range is available with different diameters (4, 5 and 6 french) and electrode spacing. All models are equipped with touch proof 2 mm pins (Spike LCS) or with 2 mm pins with protective caps (Spike LCN).



SPIKE LCS & LCN TECHNICAL FEATURES

BODY	not braided shaft, Pebax
ELECTRODES	AISI Stainless Steel
POLES	2; 4
INTER ELECTRODES DISTANCE	2; 2-5-2; 5; 10 mm
CURVE	Cournand; Josephson; Damato; Straight
WORKING LENGTH	60 cm; 80 cm; 90 cm; 125 cm
SECTIONS	4F; 5F; 6F

SPIKE LCS & LCN REFERENCE KEY

Ref. 5

Poles
2 = 2
4 = 4

Curve
1 = straight
2 = cournand
3 = josephson
4 = damato

Inter-electrode distance (mm)
2 = 2
5 = 2-5-2
6 = 5
0 = 10

Diameter
4 = 4F
5 = 5F
6 = 6F

Series
S = LCS
N = LCN

Usable length (only LCN models)
6 = 60 cm
8 = 80 cm
9 = 90 cm
0 = 125 cm

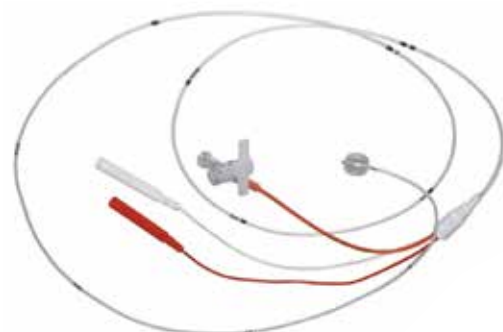
Example giving... Ref 52266S - Spike LC S, 2 poles, Cournand, 5 mm inter-electrode distance, 6 French, touch-proof

SPIKE FLOW

SPIKE FLOW is a bipolar pacing balloon catheter, intended for quick, reliable, temporary transvenous cardiac pacing and sensing. Thanks to the inflated balloon it is flow-directed and can be placed easily without fluoroscopy during emergencies.

SPIKE FLOW TECHNICAL FEATURES

REF	12165
BODY	Polyurethane
FRENCH	5F
EFFECTIVE LENGTH	110 cm
VOLUME OF BALLOON INFLATING	1,0 cc
BALLOON DIAMETER	9 mm
INTER ELECTRODES DISTANCE	10 mm



EP DIAGNOSTIC LEADS



FIAB diagnostic leads Spike ULTRA and SPIKE EASY are characterised by a braided shaft, made by Pebax with stainless steel braiding ed ensuring an excellent torqueability and longitudinal stability. Spike EASY is fully braided while Spike ULTRA has a not braided flexible distal section. The design and the wide range of models have been designed for a reliable, versatile and stable use during electrophysiologic studies (EPS) for an outstanding signal quality. The leads can be supplied with Platinum-Iridium electrodes (SPIKE ULTRA and SPIKE EASY) or stainless steel electrodes (SPIKE ULTRA LC and SPIKE EASY LC) with several fixed curvature, french sizes and interelectrode distances.

SPIKE ULTRA

SPIKE ULTRA TECHNICAL FEATURES

BODY	Braided shaft and soft tip, Pebax
ELECTRODES	AISI Stainless Steel ("LC" models) or Platinum Iridium
POLES	2;3; 4; 6;10
INTER ELECTRODES DISTANCE	2; 2-5-2; 5; 2-8-2; 10 mm
CURVE	Cournand; Josephson; Damato; Coronary Sinus; HIS
WORKING LENGTH	90 cm; 115 cm; 125 cm
SECTIONS	4F; 5F; 6F
CONNECTION	6 pins female REDEL connector ("R" models) touch proof gold plated 2 mm plugs (not "R" models)

SPIKE ULTRA REFERENCE KEY

Ref. Model Poles Curve Inter-electrode distance (mm) Diameter Connection BR*

7 = ULTRA LC
8 or 9 = ULTRA

2 = 2
3 = 3
4 = 4
6 = 6
0 = 10

1 = straight
2 = cournand
3 = josephson
4 = damato
5 = coronary sinus
6 = HIS

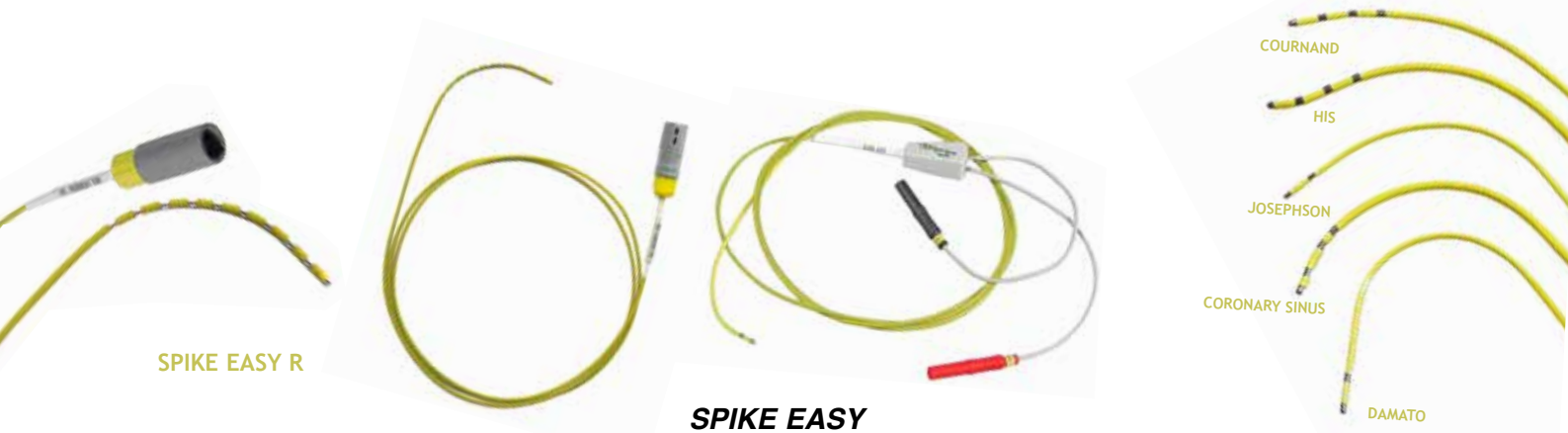
2 = 2
5 = 2-5-2
6 = 5
8 = 2-8-2
0 = 10

4 = 4F
5 = 5F
6 = 6F

<empty> = touch-proof
R = redel

**only for Spike Easy*

Example giving... Ref 82126 - Spike Ultra, 2 poles, straight, 2 mm inter-electrode distance, 6 French, touch-proof



SPIKE EASY TECHNICAL FEATURES

BODY	Braided shaft, Steel Pebax
ELECTRODES	AISI Stainless Steel ("LC" models) or Platinum Iridium
POLES	2; 3; 4; 6; 10
INTER ELECTRODES DISTANCE	2; 2-5-2; 5; 2-8-2; 10 mm
CURVE	Cournand; Josephson, Damato; Coronary Sinus; HIS
WORKING LENGTH	90 cm; 115 cm; 125 cm
SECTIONS	4F; 5F; 6F
CONNECTION	6/10 pins female REDEL connector ("R" models) touch proof gold plated 2 mm plugs (not "R" models)

SPIKE EASY REFERENCE KEY

Ref. Model Poles Curve Inter-electrode distance (mm) Diameter Connection BR*

7 = EASY LC
8 or 9 = EASY

2 = 2
4 = 4
6 = 6
0 = 10

1 = straight
2 = cournand
3 = josephson
4 = damato
5 = coronary sinus
6 = HIS

2 = 2
5 = 2-5-2
6 = 5
8 = 2-8-2
0 = 10

4 = 4F
5 = 5F
6 = 6F

<empty> = touch-proof
R = redel

**only for Spike Easy*

Example giving... Ref 72304BR - Spike Easy LC, 2 poles, Josephson, 10 mm inter-electrode distance, 4 French, touch-proof

CONNECTING CABLES



ref	poles	cable	connector
F5406/4REDS	4	150 cm	redel
F5406/6REDS	6	150 cm	redel
F5406/10REDS	10	150 cm	redel

EXTERNAL PACEMAKER

4427 EASYPACE

Single chamber external pacemaker

4427 EASYPACE is a single chamber external pacemaker providing reliable temporary stimulation, thanks to the microprocessor control of the parameters.










- Low battery indicator
- Standby battery for main battery replacement
- Autosense function for synchronous stimulation
- Atrial overdrive stimulation (burst and ramp)
- Antirunaway protection
- Alarm for electrode disconnection
- Impedance alarm for electrode disconnection



PACING MODE	VVI, VOO, VOOx4, AAI, AOO, AOOx4, decreasing ramp
RATE	30÷180 (720) ppm
PACING PERIOD	2000÷333 (83) ms
PULSE DURATION	1.4 ms
PULSE AMPLITUDE	0.2÷40 mA
MAXIMUM SENSITIVITY	0.75 mV

CABLES AND ADAPTERS FOR EXTERNAL PACEMAKER

SHROUDED SOCKET 2 mm

DISPOSABLE		
ref	description	cable colour
F7817/30LC	Touch proof 2 mm shrouded plugs 	grey
F7817/B30LC		blue
F7817/33LC	2 mm plugs with protective caps 	grey
F7817/B33LC		blue
F7817/MEDLC	Medtronic* type connector 	grey
F7817/BMEDLC		blue
F7817/BIOLC	Biotronic* Redel type connector 	grey
F7817/BBIOLC		blue
F7817/OSYLC	Osyпка* type connector 	grey
F7817/BOSYLC		blue
REUSABLE		
ref	description	cable colour
F7817/30	Touch proof 2 mm shrouded plugs 	grey
F7817/33	Touch proof 2 mm shrouded plugs 	grey
F7817/33E	2 mm plugs with protective caps 	grey
F7817/MED	Medtronic* type connector 	grey
F7817/BMED		blue









F7817/30LC



F7817/MED

* Brands, models and commercial names reported in this document belong to the companies owning the corresponding registered brands, models and names. FIAB is not affiliated to any of the above mentioned companies.






SCREW SOCKET 0,6-2,0 mm



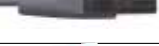


DISPOSABLE			CE 2797
ref	description		cable colour
F7818/30LC	Touch proof 2 mm shrouded plugs		grey
F7818/B30LC			blue
F7818/33LC	2 mm plugs with protective caps		grey
F7818/B33LC			blue
F7818/MEDLC	Medtronic* type connector		grey
F7818/BMEDLC			blue
F7818/BIOLC	Biotronic* Redel type connector		grey
F7818/BBIOLC			blue
F7818/4BIOLC			grey
F7818/BRLC	Redel type connector		grey
F7818/OSYLC	Osypka* type connector		grey
F7818/BOSYLC			blue



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SCREW SIDE SOCKET 0-2 mm

DISPOSABLE			CE 2797
ref	description		cable colour
F7819/30	Touch proof 2 mm shrouded plugs		grey
F7819/B30			blue
F7819/33	2 mm plugs with protective caps		grey
F7819/B33			blue
F7819/MED	Medtronic* type connector		grey
F7819/BMED			blue
F7819/BIO	Biotronic* Redel type connector		grey
F7819/BBIO			blue
F7819/OSY	Osypka* type connector		grey
F7819/BOSY			blue

REUSABLE			CE
ref	description		cable colour
F7816/30	Touch proof 2 mm shrouded plugs		grey
F7816/B30			blue
F7816/33	2 mm plugs with protective caps		grey
F7816/B33			blue
F7816/MED	Medtronic* type connector		grey
F7816/BMED			blue
F7816/BIO	Biotronic* Redel type connector		grey
F7816/BBIO			blue
F7816/RED	Pace Medical* type connector		grey
F7816/BRED			blue



ADAPTERS









NOT STERILE			CE
ref	description	pieces	
PG922/2TP2WG	from touch proof socket to 2 mm plug	2 pieces (red+black)	
PG922/2TP4WG	from touch proof socket to 2 mm plug	4 pieces (red+black+2 grey)	
PG922/2TPVR	from touch proof socket to 2 mm plug, with fixing screw	6 pieces (red)	
PG922/2TPVN	from touch proof socket to 2 mm plug, with fixing screw	6 pieces (black)	

STERILE			CE 2797
ref	description	pieces	
PG922/2TPS2	from touch proof socket to 2 mm plug	2 pieces (red+black)	
PG922/2TPS4	from touch proof socket to 2 mm plug	4 pieces (red+black+2 grey)	



PSA PACING CABLES

Disposable sterile cables with black and red alligator clips or IS-1 connector intended for pacing and sensing threshold test.

TOUCH PROOF 2 mm PLUGS				
ref	connection	cable		
F7830S	touch proof 2 mm plug	200 cm grey cable		
F7831S	touch proof 2 mm plug	200 cm blue cable		
F7832S	touch proof 2 mm plug	400 cm blue cable		
2 mm PLUGS				
ref	connection	cable		
F7833	2 mm plug with protective cap	200 cm grey cable		
F7833/4	2 mm plug with protective cap	400 cm grey cable		
F7833E	2 mm elastic plug with protective cap	200 cm grey cable		
F7834	2 mm plug with protective cap	200 cm blue cable		
4 mm SOCKET				
ref	connection	cable		
F7830/AF	4 mm socket	200 cm grey cable		
1,5 mm DIN SOCKET				
ref	connection	cable		
F7830DIN	1,5 mm DIN socket	200 cm grey cable		
MEDTRONIC				
ref	connection	cable		
F7830/MED	Medtronic type connector	200 cm grey cable		
F7832/MED	Medtronic type connector	400 cm grey cable		
IS-1				
ref	connection	cable		
F7830IS-1	touch-proof 2 mm plug	200 cm cable		
F7833IS-1	2 mm plug with protective cap	200 cm cable		
DEBELLIS				
ref	connection	cable		
F7830W/DEBELLIS	IS-1 BI connection	50 cm grey cable		
F7830B/DEBELLIS	IS-1 BI connection	50 cm blue cable		
MEDTRONIC PROGRAMMER				
ref	connection	cable	connection	cable
F7840/MEDT	2 mm socket			150 cm cable
F7840/4/MEDT	2 mm socket			400 cm cable



F7830S



F7833



F7830IS-1



F7830W/DEBELLIS



F7840/MEDT

INTRODUCERS

PEEL AWAY INTRODUCERS

FIAB introducer kit with a PTFE Peel away sheet, allows an easy placement of pacing leads and catheters through one of the traditional venous accesses according to Seldinger's method.

STANDARD					
ref	size	guide wire	dilator		
F47505	5 F	0,038"	17 cm		
F47506	6 F				
F47507	7 F				
F47508	8 F				
F47509	9 F				
F47609	9,5 F				
F47510	10 F				
F47610	10,5 F				
F47511	11 F				
F47512	12 F				
F47513	13 F				
F47514	14 F				
F47515	15 F				
F47516	16 F				
F47517	17 F				
F47518	18 F				
F47507	7 F			0,035"	
F47508	8 F				
F47509	9 F				
F47609	9,5 F				
F47510	10 F				



KIT WITH THRESHOLD CABLE		
ref	introducer	threshold cable
F47507/30	F47507	F7830S
F47508/30	F47508	
F47509/30	F47509	
F47510/30	F47510	
F47507/33	F47507	
F47508/33	F47508	F7833S
F47509/33	F47509	
F47609/33	F47609	
F47510/33	F47510	

SINGLE INTRODUCERS		
ref	size	dilator
F47506/S	6 F	17 cm
F47507/S	7 F	
F47508/S	8 F	
F47509/S	9 F	
F47510/S	10 F	
F47511/S	11 F	

XL			
ref	size	guide wire	dilator
F47506XL/23	6 F	0,038"	23 cm
F47507XL/23	7 F		
F47508XL/23	8 F		
F47509XL/23	9 F		
F47510XL/23	10 F		
F47511XL/23	11 F		
F47512XL/23	12 F		33 cm
F47508XL/33	8 F		
F47509XL/33	9 F		
F47510XL/33	10 F		
F47511XL/33	11 F		
F47512XL/33	12 F		
F47514XL/33	14 F		

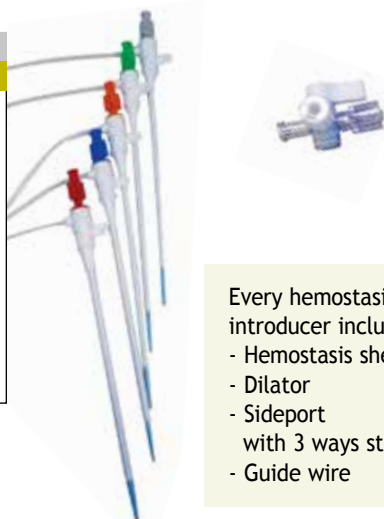


- Standard and XL models include:
- Peel away sheet
 - Dilator
 - Syringe
 - 19G needle
 - Guide wire

HEMOSTASIS VALVE INTRODUCERS

The hemostasis valve introducer kit allows the introduction of pacing leads and catheters in the vascular system. The Hemostatic valve features a reliable hemostatic seal to prevent blood loss and embolism.

STANDARD			
ref	size	guide wire	dilator
F47704V	4 F	0,0035"	13,1 cm
F47705V	5 F	0,038"	
F47706V	6 F		
F47707V	7 F		
F47708V	8 F	0,035"	
F47709V	9 F		
F47705V.35	5 F		
F47706V.35	6 F		
F47707V.35	7 F		
F47708V.35	8 F		
F47709V.35	9 F		



- Every hemostasis valve introducer includes:
- Hemostasis sheet
 - Dilator
 - Sideport with 3 ways stopcock
 - Guide wire

KIT WITH NEEDLE			
ref	size	guide wire	dilator
F47704VK	4 F	0,035"	12,6cm
F47705VK	5 F	0,038"	13,1 cm
F47706VK	6 F		
F47707VK	7 F		
F47708VK	8 F		
F47709VK	9 F		

KIT WITH NEEDLE AND SYRINGE			
ref	size	guide wire	dilator
F47704VSK	4 F	0,035"	12,6cm
F47705VSK	5 F	0,038"	13,1 cm
F47706VSK	6 F		
F47707VSK	7 F		
F47708VSK	8 F		
F47709VSK	9 F		

TRANSESOPHAGEAL RECORDING AND PACING

PROBES

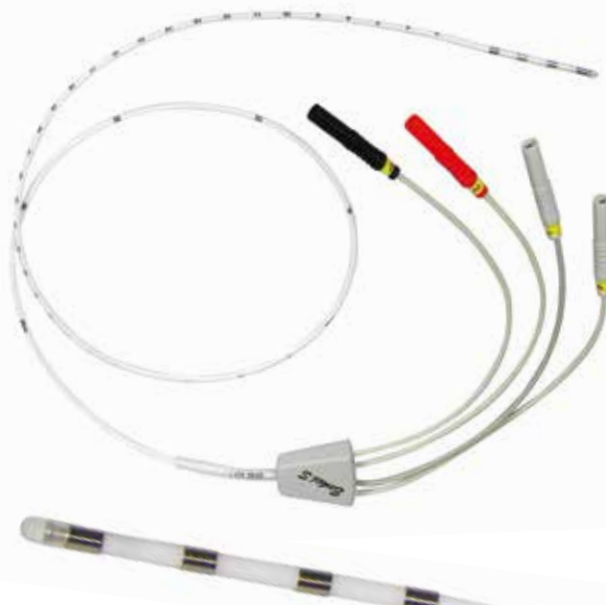
FIAB is leader manufacturer of transesophageal cardiac pacing and recording devices.

The line includes several models of esophageal probes allowing for the atrial pacing and recording.

Thanks to the great multi-year experience, FIAB esophageal probes are setting the standard for reliability and performance.

Every probe is equipped with 2 mm touch proof plugs and atraumatic silicone tip, available in different material, number of poles and electrode spacing.

An esophageal asynchronous external pacer and a recording filter allow to pace and record the P wave easily at the bed of patient.



ESOKID S Paediatric

TECHNICAL FEATURES		
	ESOKID 2S	ESOKID 4S
REF	25125ES	25145ES
N° POLES	2	4
ELECTRODE MATERIAL	STAINLESS STEEL	
BODY MATERIAL	medical grade POLYURETHANE	
BODY DIAMETER	2,0 mm - 6 French	
INTER ELECTRODES DISTANCE	20 mm	10/10/10 mm
CONNECTORS	touch proof 2 mm plug	

ESOFLEX S

Olive shaped electrodes and depth markers



TECHNICAL FEATURES							
	ESOFLEX 2S	ESOFLEX 3S	ESOFLEX 4S	ESOFLEX 4NS	ESOFLEX 5S	ESOFLEX 6S	ESOFLEX 10S
REF	25125S	25135S	25145S	25145NS	25155S	25165S	25105S
N° POLES	2	3	4	4	5	6	10
ELECTRODE MATERIAL	STAINLESS STEEL						
BODY MATERIAL	medical grade POLYURETHANE						
BODY DIAMETER	2,3 mm - 7 French						
INTER ELECTRODE DISTANCE	30mm	30/15mm	30/15/15mm	15/15/15mm	20/15÷15 mm	20/15÷15mm	20/10÷10mm
CONNECTORS	touch proof 2 mm plug						
STYLETS	2 stylets: Ø 0,35 mm - 0,40 mm						

ESOSOFT S Silicone body

TECHNICAL FEATURES					
	ESOSOFT 2S	ESOSOFT 3S	ESOSOFT 4S	ESOSOFT 5S	ESOSOFT 6S
REF	35125S	35135S	35145S	35155S	35165S
N° POLES	2	3	4	5	6
ELECTRODE MATERIAL	STAINLESS STEEL				
BODY MATERIAL	medical grade SILICONE - Internal quadrifilar coil MP35N				
BODY DIAMETER	3,0 mm - 9 French				
INTER ELECTRODES DISTANCE	30 mm	30/15 mm	30/15/15 mm	20/15÷15 mm	20/15÷15 mm
CONNECTORS	touch proof 2 mm plug				
STYLETS	2 stylets: Ø 0,35 mm - 0,40 mm				

ESOGOLD S

Olive shaped gold plated electrodes and depth markers



TECHNICAL FEATURES					
	ESOGOLD 2S	ESOGOLD 3S	ESOGOLD 4S	ESOGOLD 5S	ESOGOLD 6S
REF	27125S	27135S	27145S	27155S	27165S
N° POLES	2	3	4	5	6
ELECTRODE MATERIAL	GOLD PLATED BRASS				
BODY MATERIAL	medical grade POLYURETHANE				
BODY DIAMETER	2,3 mm - 7 French				
INTER ELECTRODES DISTANCE	30 mm	30/15 mm	30/15/15 mm	20/15 ÷ 15 mm	20/15 ÷ 15 mm
CONNECTORS	touch proof 2 mm plug				
STYLETS	2 stylets: Ø 0,35 mm - 0,40 mm				

ESOLO

Olive shaped electrodes



TECHNICAL FEATURES			
	ESOLO 2	ESOLO 4	ESOLO 6
REF	25125LO	25145LO	25165LO
N° POLES	2	4	6
ELECTRODE MATERIAL	STAINLESS STEEL		
BODY MATERIAL	medical grade POLYURETHANE		
BODY DIAMETER	2,3 mm - 7 French		
INTER ELECTRODES DISTANCE	30mm	30/15/15mm	20/15÷15 mm
CONNECTORS	touch proof gold plated 2 mm plug		
STYLETS	1 stylet: Ø 0,35 mm		



CONNECTING CABLES

ref	pole	cable length	connection
F5406/4TPS	4	150 cm	touch proof
F5406/6TPS	6	150 cm	touch proof
F5401TPS	10	150 cm	touch proof

STIMULATOR

2007

Asynchronous Esophageal cardiac stimulator



ECG RECORDING FILTER

30104 Rostock

Filter for recording Atrial signals with an ECG monitor



ESO



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