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Product Catalogue



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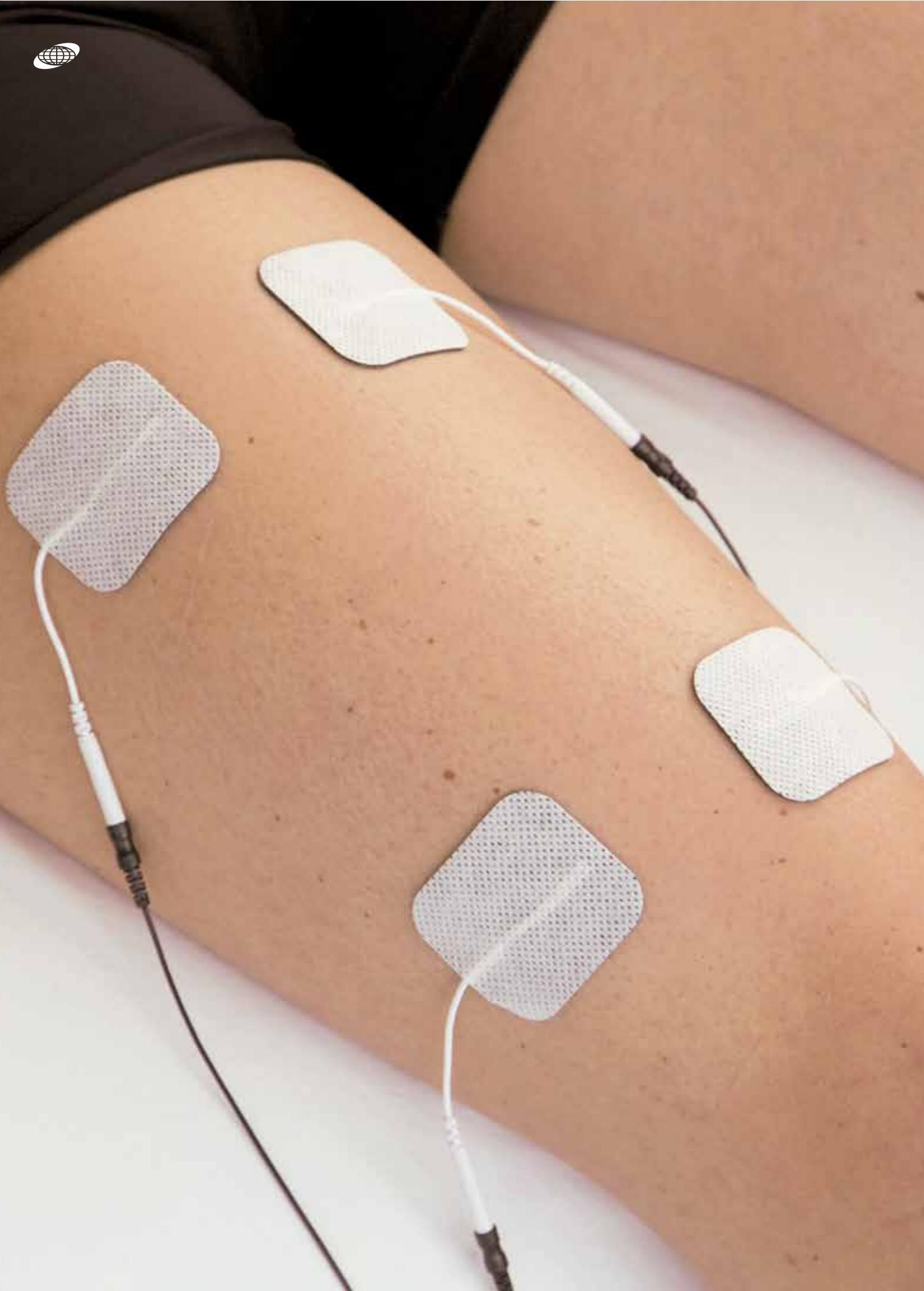
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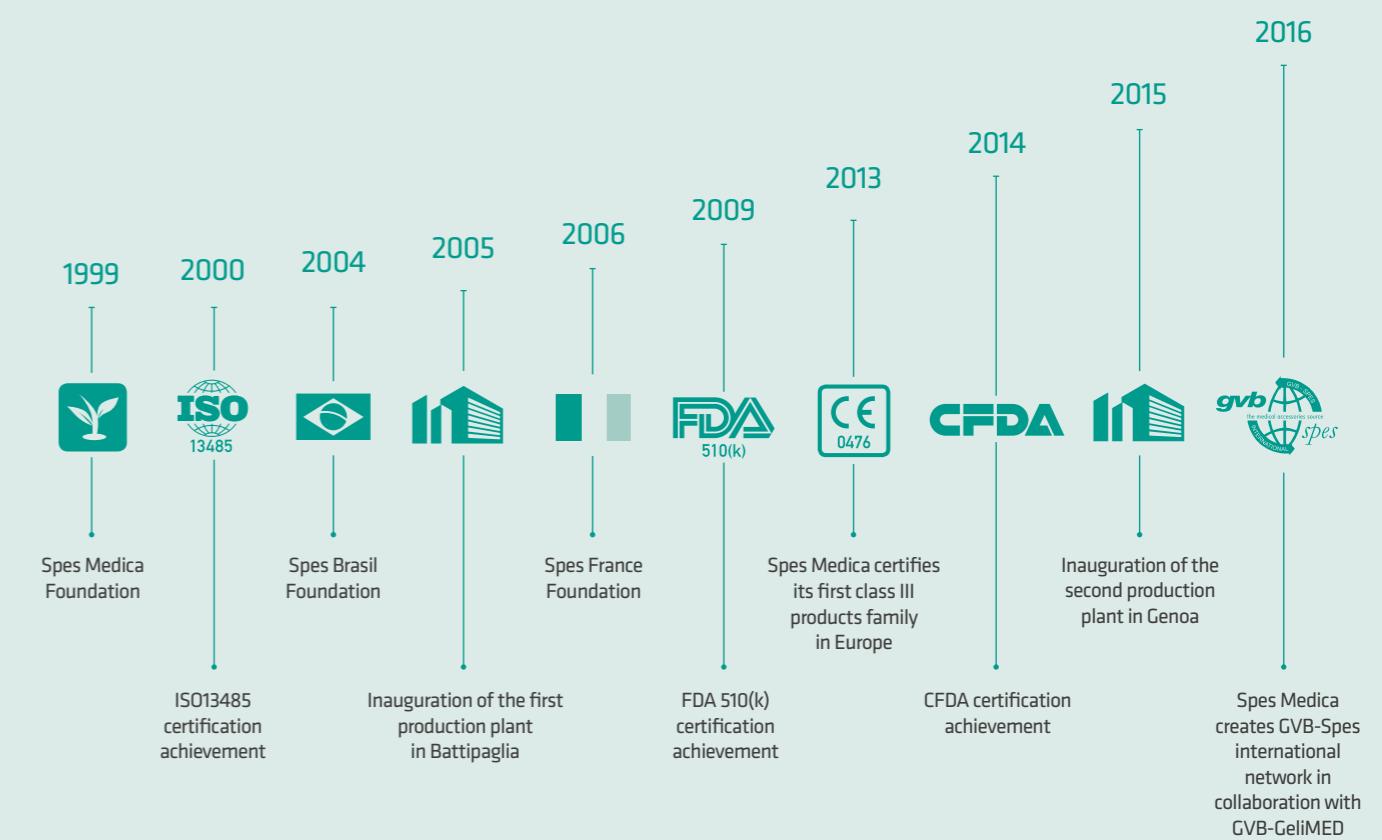
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### Welcome to Spes Medica

Spes Medica is an Italian company specializing in the production of electromedical devices. We offer our customers innovative solutions to be used in Neurodiagnostics, Intraoperative Monitoring, Cardiology and Physiotherapy fields.

Thanks to our 18 years of experience and our collaboration with research organizations we were able to develop and consolidate our know-how.





## Mission

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### Our goals

Building high quality products to improve the quality of diagnostic tests and therapies.

Technology, continuous improvement and patient respect are the key concepts of our path to become a global reference company in the medical field.



## Research and Development

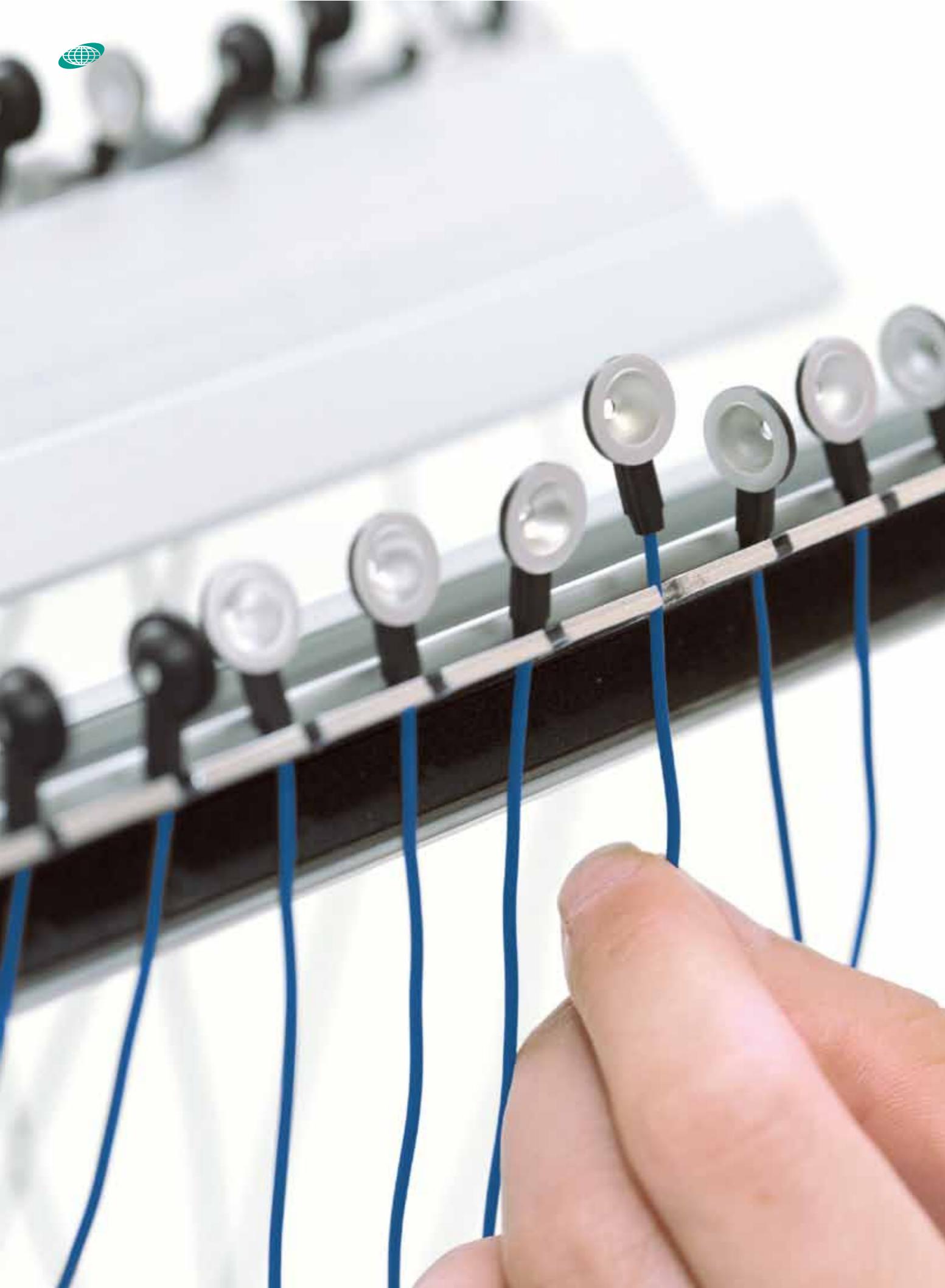
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### High Tech Design

The R&D team, made up of qualified professionals, design and produce forefront medical devices by using the latest generation technology.

The intense and tireless research activity, strengthened by the experience of 18 years of production, characterizes our working method.



## Creating high quality devices

The full range of Spes Medica products are manufactured at our plants in Italy.

Spes Medica is committed to adhering to our policies on quality standards and safety. As a customer satisfaction guarantee we are certified for the Quality Management System according to ISO 13485 and 93/42/EEC.

Our products are registered with CE, FDA, CFDA, Anvisa and many other international organizations.



Quality Management  
System



European  
Conformity



Food and Drugs  
Administration USA



China Food and Drugs  
Administration



Agência Nacional de  
Vigilância Sanitária



Instituto Nacional  
de Vigilância de  
Medicamentos y  
Alimentos



## Where We Are



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### GVB-Spes South Africa

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Building A, Unit 51  
Von Backstrom Blvd,  
Silver Lakes 0054 Pretoria  
South Africa  
+012 809 0077

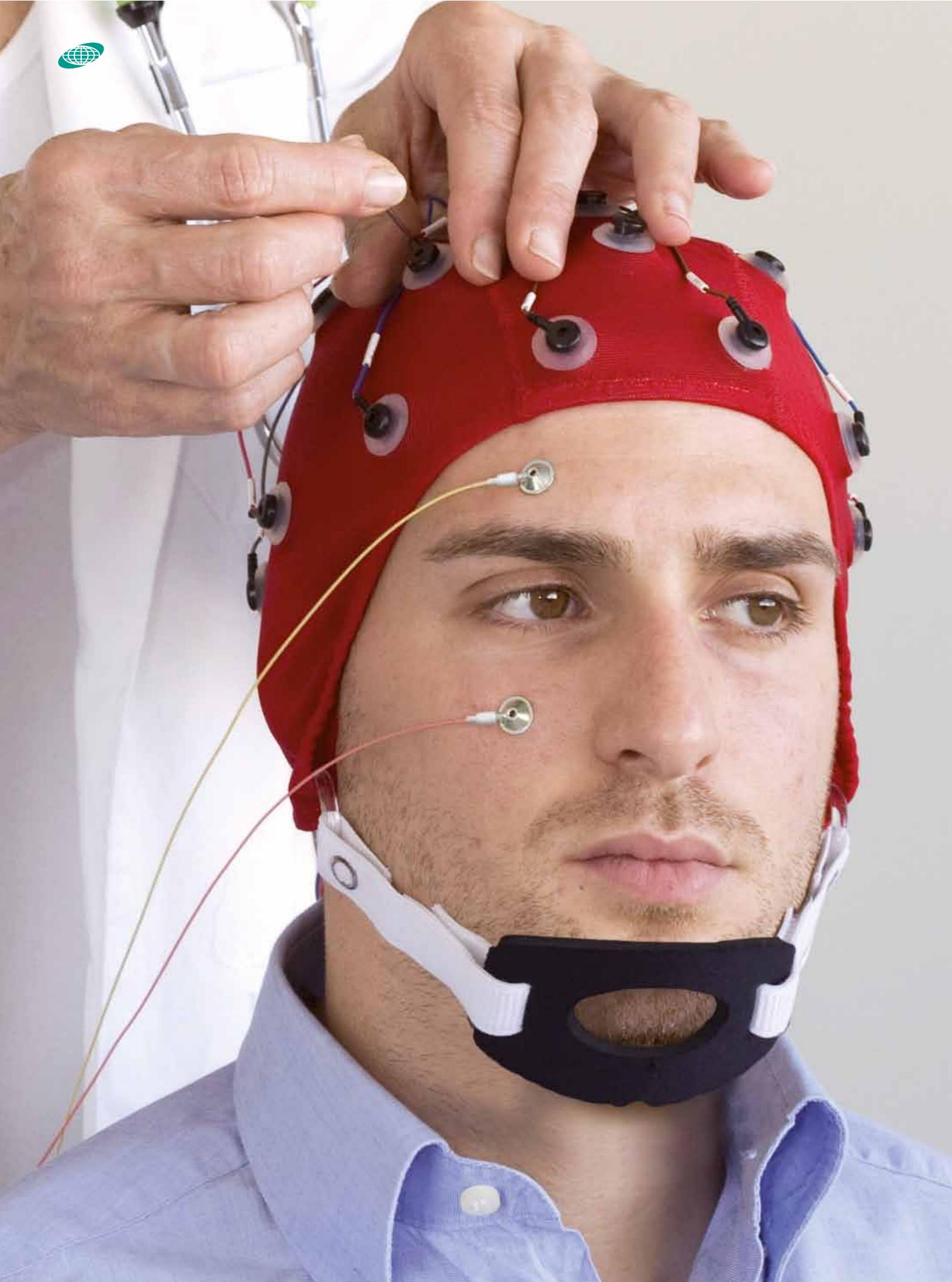


### GVB-Spes Scandinavia

25007 Helsingborg  
Sweden



## Neurodiagnostics / EEG



Spes Medica offers a complete range of electrodes and accessories to be used during EEG, EP and ERG examinations.

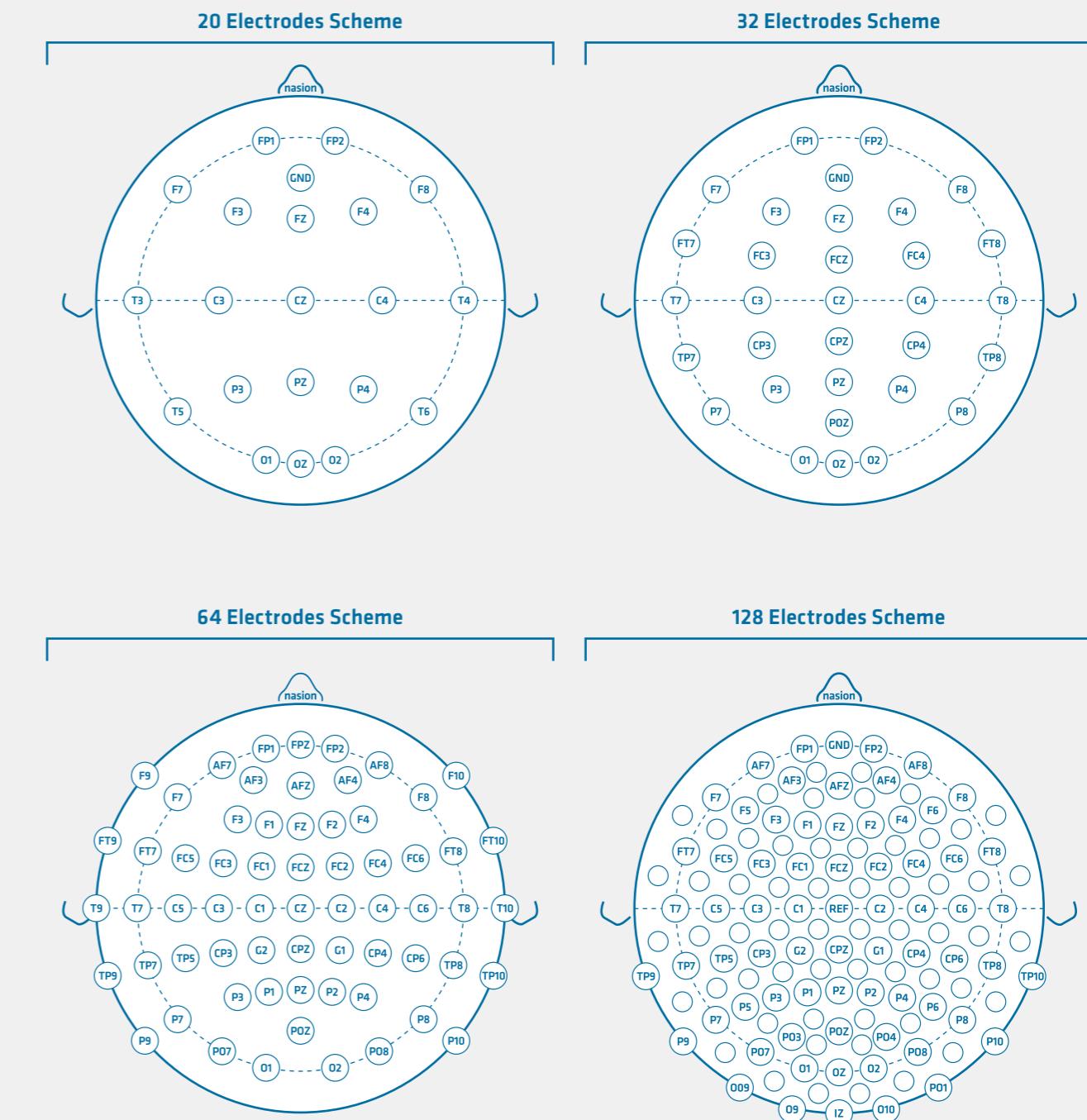
Our products have been developed to ensure maximum signal quality and patient comfort.

- Headcaps with Precabled Electrodes
- Subdermal Needle Electrodes
  - Cup Electrodes
  - Pastes and Gel
  - ERG Electrodes



## International 10-20 System

Our headcaps are made in accordance with the International 10-20 System. Spes Medica offers the possibility to customize the electrode layout up to a 128-channel application.





### Materials

The electrodes on our headcaps are made of:



Tin



Silver/Silver Chloride



Silver/Sintered Silver Chloride



Gold

**Sn**

**Ag Ag Cl**

**Ag Ag Cl Sint**

**Au**

### Connectors

We offer a wide range of connectors. Please find below the standard versions:



Touch Proof  
DIN 42802



Sub-D 25



Sub-D 50



MDR



Further configurations are available according to your needs.

### Cables

Spes Medica provides two different cable configurations:

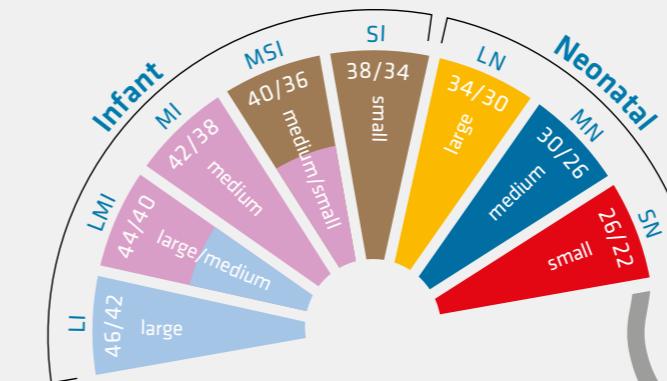
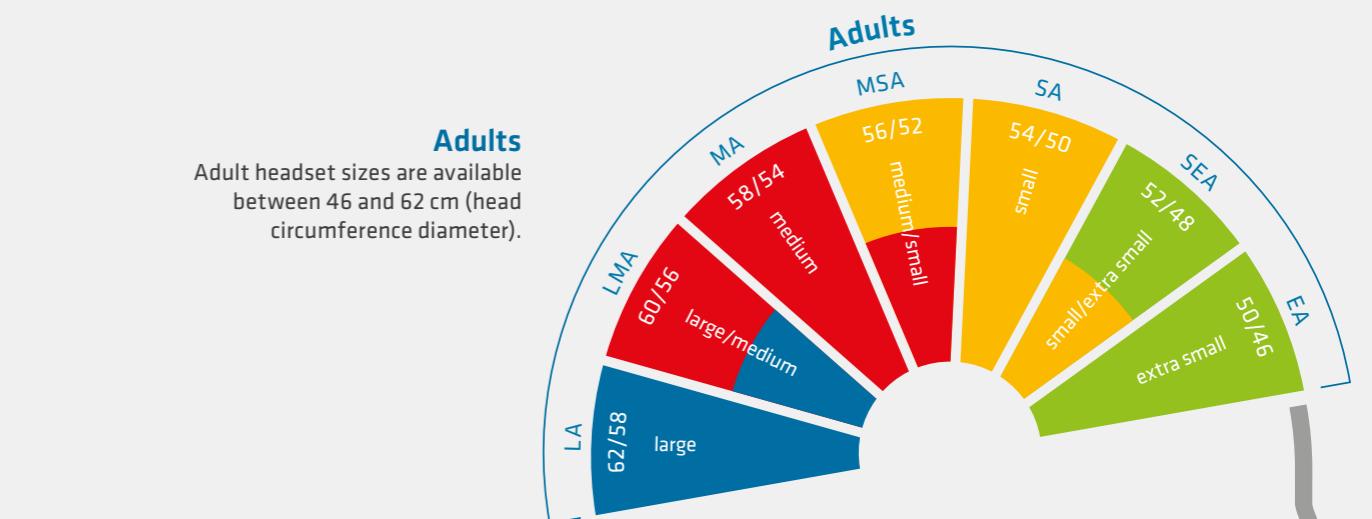
Flat cables



Twisted cables



**Adults**  
Adult headset sizes are available between 46 and 62 cm (head circumference diameter).



### Infant and Neonatal

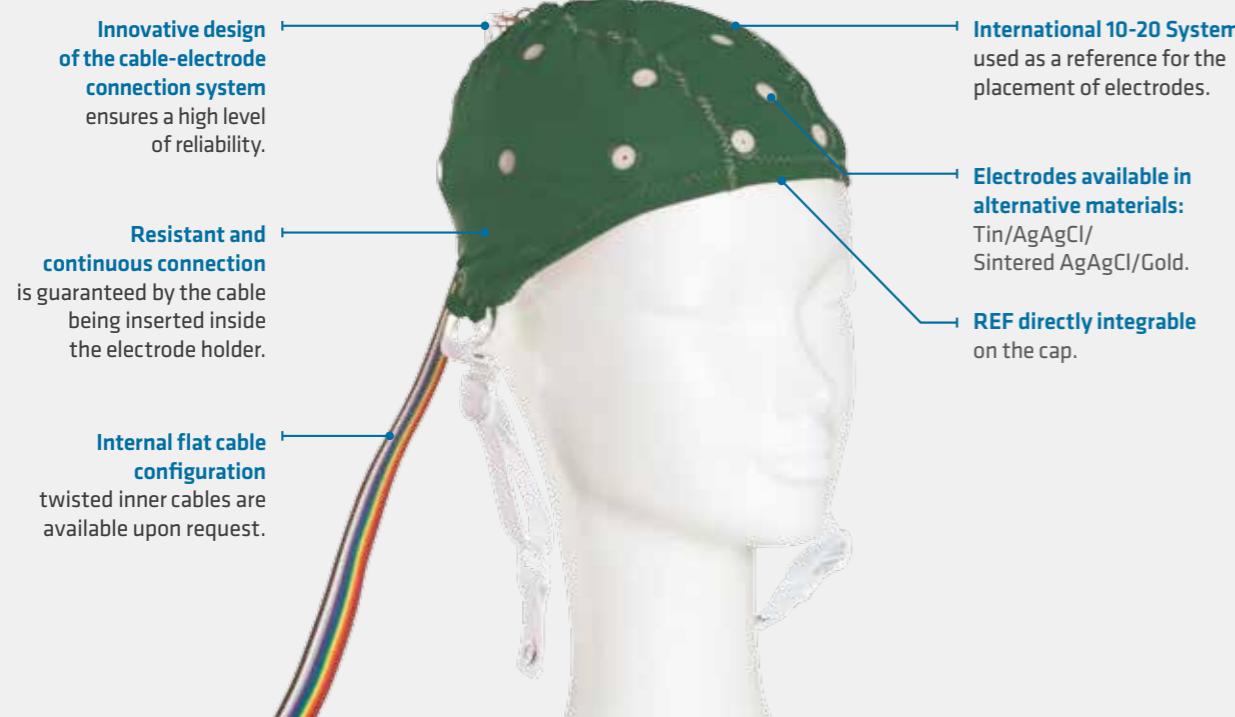
Pediatric and neonatal headset sizes are available in a range between 22 and 46 cm (head circumference diameter).



## EEG / Headcaps with Prewired Electrodes

## Headcaps with Prewired Electrodes / EEG

### Medcap



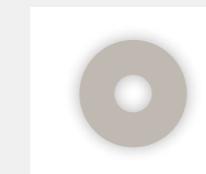
External Electrode Detail



Internal Electrode Detail



Tin

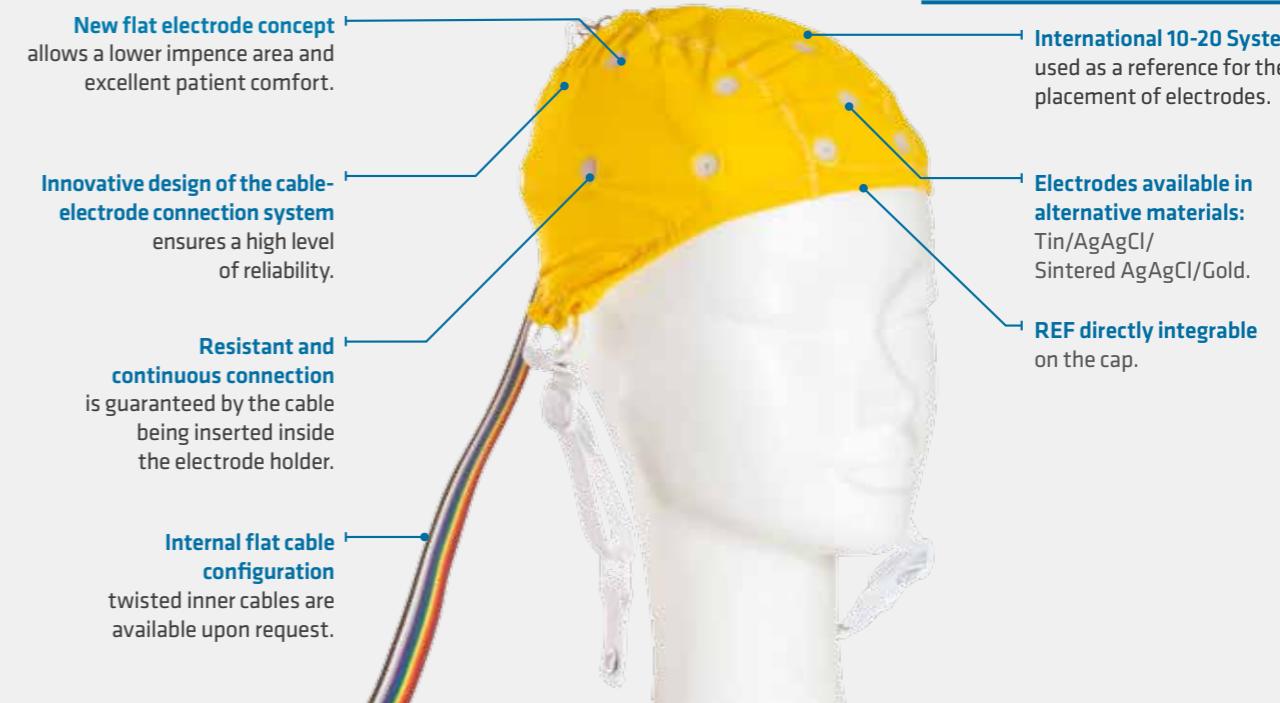


Code	Head Circumference	Nº Electrodes	Connectors	Pack
CAMSOLAA20	58-62 cm	19 + GND		1 pc
CAMSOMAA20	54-58 cm	19 + GND		1 pc
CAMSOSAA20	50-54 cm	19 + GND		1 pc
CAMSOEAA20	46-50 cm	19 + GND		1 pc
CAMSOLIA20	42-46 cm	19 + GND		1 pc
CAMSOMIA10	38-42 cm	9 + GND		1 pc
CAMSOSIA10	34-38 cm	9 + GND		1 pc
CAMSOLAA21	58-62 cm	19 + GND + REF		1 pc
CAMSOMAA21	54-58 cm	19 + GND + REF		1 pc
CAMSOSAA21	50-54 cm	19 + GND + REF		1 pc
CAMSOEAA21	46-50 cm	19 + GND + REF		1 pc
CAMSOLIA21	42-46 cm	19 + GND + REF		1 pc
CAMSOMIA11	38-42 cm	9 + GND + REF		1 pc
CAMSOSIA11	34-38 cm	9 + GND + REF		1 pc

The package contains: the headcap, ties for the chest band and a brush for cleaning the electrode.

### Flat Medcap

New



Tin



Internal Electrode Detail



External Electrode Detail



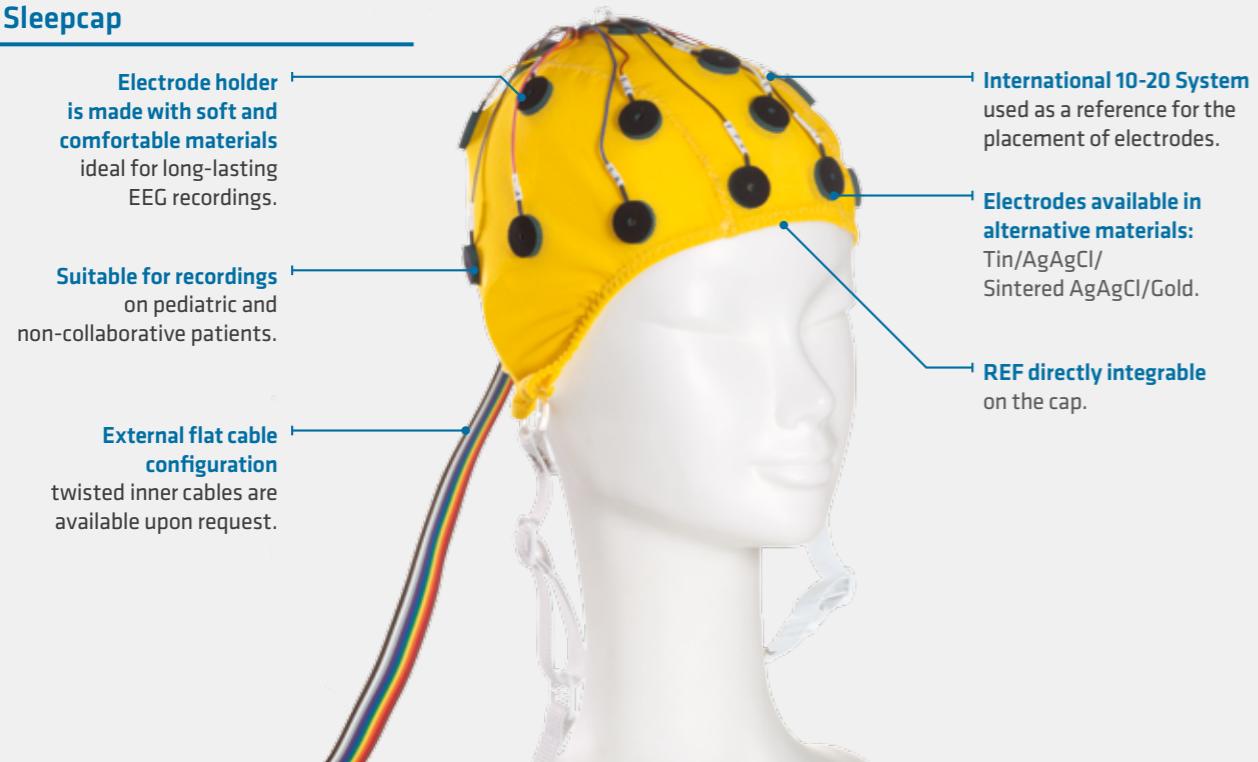
Code	Head Circumference	Nº Electrodes	Connectors	Pack
CAMSOLAA20F	58-62 cm	19 + GND		1 pc
CAMSOMAA20F	54-58 cm	19 + GND		1 pc
CAMSOSAA20F	50-54 cm	19 + GND		1 pc
CAMSOEAA20F	46-50 cm	19 + GND		1 pc
CAMSOLIA20F	42-46 cm	19 + GND		1 pc
CAMSOMIA10F	38-42 cm	9 + GND		1 pc
CAMSOSIA10F	34-38 cm	9 + GND		1 pc
CAMSOLAA21F	58-62 cm	19 + GND + REF		1 pc
CAMSOMAA21F	54-58 cm	19 + GND + REF		1 pc
CAMSOSAA21F	50-54 cm	19 + GND + REF		1 pc
CAMSOEAA21F	46-50 cm	19 + GND + REF		1 pc
CAMSOLIA21F	42-46 cm	19 + GND + REF		1 pc
CAMSOMIA11F	38-42 cm	9 + GND + REF		1 pc
CAMSOSIA11F	34-38 cm	9 + GND + REF		1 pc

The package contains: the headcap, ties for the chest band and a brush for cleaning the electrode.



## EEG / Headcaps with Prewired Electrodes

### Sleepcap



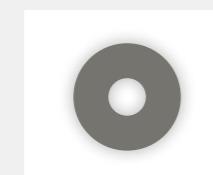
External Electrode Detail



Internal Electrode Detail



Ag Ag Cl

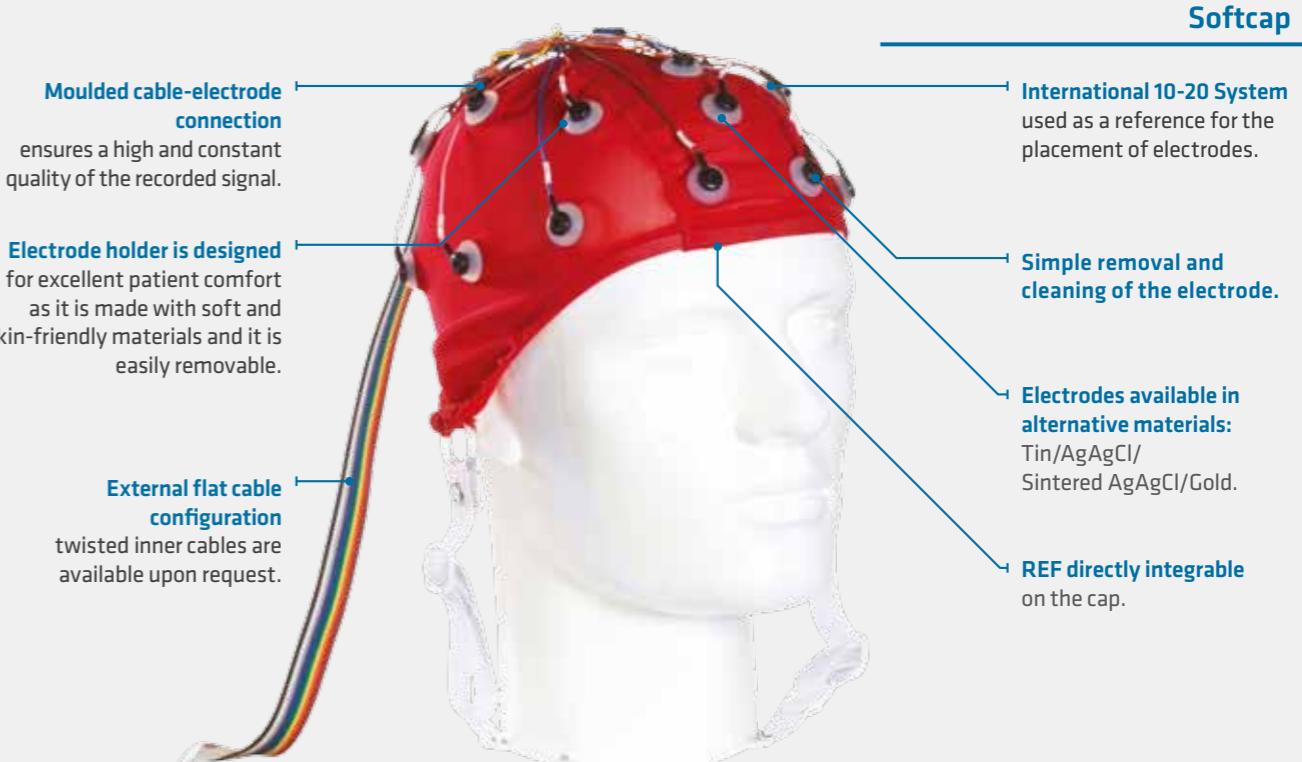


Code	Head Circumference	Nº Electrodes	Connectors	Pack
CSSAGLAC20	58-62 cm	●	19 + GND	1 pc
CSSAGMAC20	54-58 cm	●	19 + GND	1 pc
CSSAGSAC20	50-54 cm	●	19 + GND	1 pc
CSSAGEAC20	46-50 cm	●	19 + GND	1 pc
CSSAGLIC20	42-46 cm	●	19 + GND	1 pc
CSSAGMIC10	38-42 cm	●	9 + GND	1 pc
CSSAGSIC10	34-38 cm	●	9 + GND	1 pc
CSSAGLAC21	58-62 cm	●	19 + GND + REF	1 pc
CSSAGMAC21	54-58 cm	●	19 + GND + REF	1 pc
CSSAGSAC21	50-54 cm	●	19 + GND + REF	1 pc
CSSAGEAC21	46-50 cm	●	19 + GND + REF	1 pc
CSSAGLIC21	42-46 cm	●	19 + GND + REF	1 pc
CSSAGMIC11	38-42 cm	●	9 + GND + REF	1 pc
CSSAGSIC11	34-38 cm	●	9 + GND + REF	1 pc

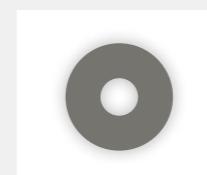
The package contains: the headcap, ties for the chest band and a brush for cleaning the electrode.

## Headcaps with Prewired Electrodes / EEG

### Softcap



Ag Ag Cl



Electrode Holder Detail



Electrode Detail



External Electrode Detail



Code	Head Circumference	Nº Electrodes	Connectors	Pack
CASAGLAC20	58-62 cm	●	19 + GND	1 pc
CASAGMAC20	54-58 cm	●	19 + GND	1 pc
CASAGSAC20	50-54 cm	●	19 + GND	1 pc
CASAGEAC20	46-50 cm	●	19 + GND	1 pc
CASAGLIC20	42-46 cm	●	19 + GND	1 pc
CASAGMIC10	38-42 cm	●	9 + GND	1 pc
CASAGSIC10	34-38 cm	●	9 + GND	1 pc
CASAGLAC21	58-62 cm	●	19 + GND + REF	1 pc
CASAGMAC21	54-58 cm	●	19 + GND + REF	1 pc
CASAGSAC21	50-54 cm	●	19 + GND + REF	1 pc
CASAGEAC21	46-50 cm	●	19 + GND + REF	1 pc
CASAGLIC21	42-46 cm	●	19 + GND + REF	1 pc
CASAGMIC11	38-42 cm	●	9 + GND + REF	1 pc
CASAGSIC11	34-38 cm	●	9 + GND + REF	1 pc

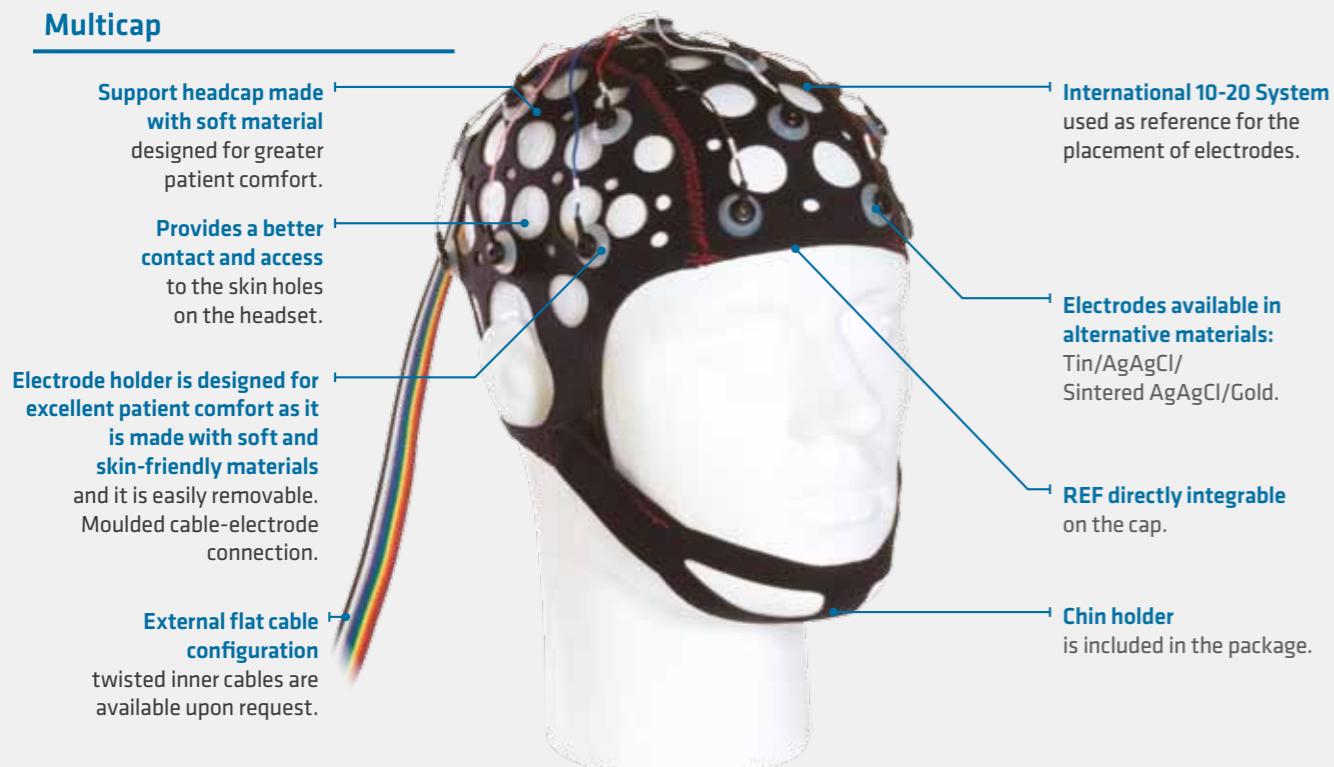
The package contains: the headcap, ties for the chest band and a brush for cleaning the electrode.



## EEG / Headcaps with Prewired Electrodes

## Headcaps with Prewired Electrodes / EEG

### Multicap



Headcap Color Detail



External Electrode Detail



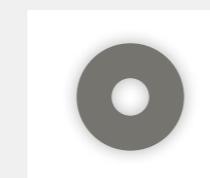
Electrode Detail



Electrode Holder Detail



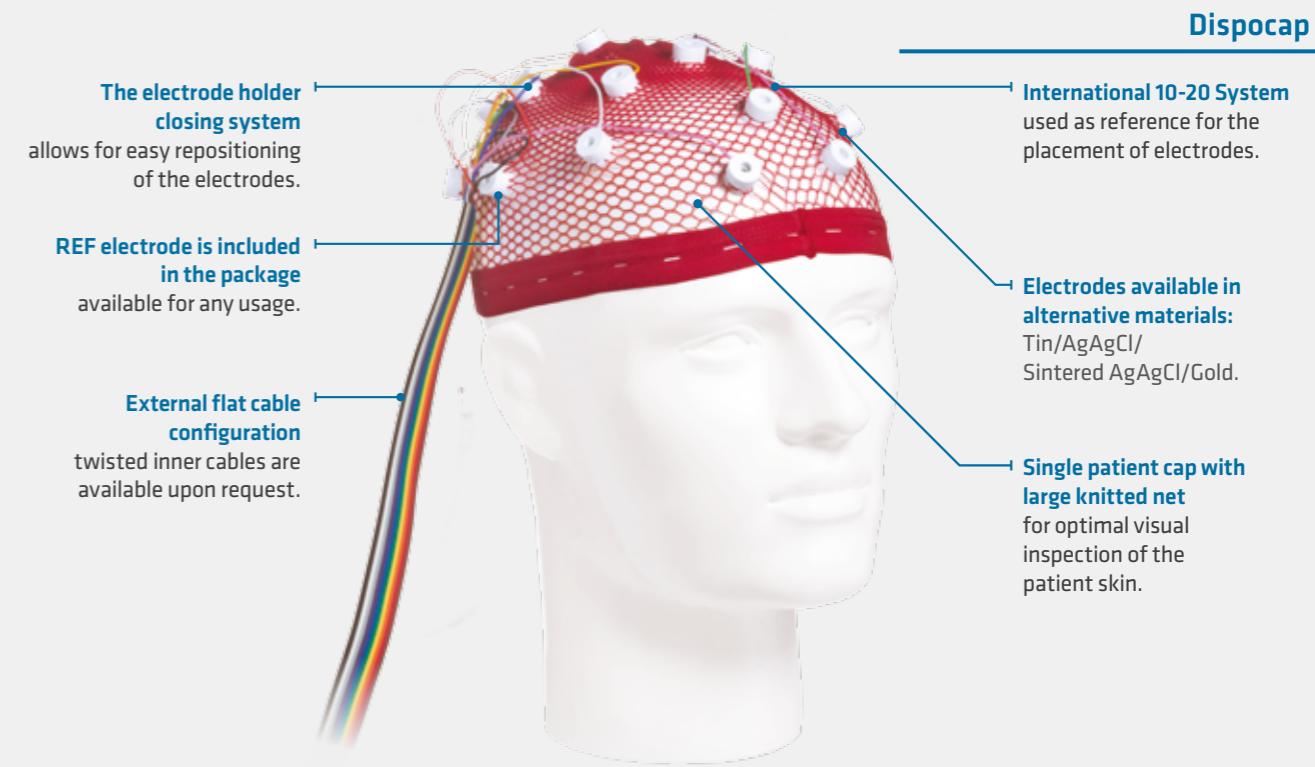
Ag Ag Cl



Code	Head Circumference	N° Electrodes	Connectors	Pack
CASAGLAC20N	58-62 cm	●	19 + GND	1 pc
CASAGMAC20N	54-58 cm	●	19 + GND	1 pc
CASAGSAC20N	50-54 cm	●	19 + GND	1 pc
CASAGEAC20N	46-50 cm	●	19 + GND	1 pc
CASAGLIC20N	42-46 cm	●	19 + GND	1 pc
CASAGMIC10N	38-42 cm	●	9 + GND	1 pc
CASAGSIC10N	34-38 cm	●	9 + GND	1 pc
CASAGLAC21N	58-62 cm	●	19 + GND + REF	1 pc
CASAGMAC21N	54-58 cm	●	19 + GND + REF	1 pc
CASAGSAC21N	50-54 cm	●	19 + GND + REF	1 pc
CASAGEAC21N	46-50 cm	●	19 + GND + REF	1 pc
CASAGLIC21N	42-46 cm	●	19 + GND + REF	1 pc
CASAGMIC11N	38-42 cm	●	9 + GND + REF	1 pc
CASAGSIC11N	34-38 cm	●	9 + GND + REF	1 pc

The package contains: the headcap, ties for the chest band and a brush for cleaning the electrode.

### Dispocap



+ Update



Code	Head Circumference	N° Electrodes	Connectors	Pack
DCAPSOLAC20	Adult Large (54 - 62 cm)	19 + GND	●	1 pc
DCAPSOMAC20	Adult Small (46 - 54 cm)	19 + GND	●	1 pc
DCAPSOMIC20	Pediatric Large (40 - 46 cm)	19 + GND	●	1 pc
DCAPSOSIC10	Pediatric Small (34 - 40 cm)	9 + GND	●	1 pc

The package contains: the headcap, ties for the chest band and a brush for cleaning the electrode.



## EEG / Cerebral Function Monitoring

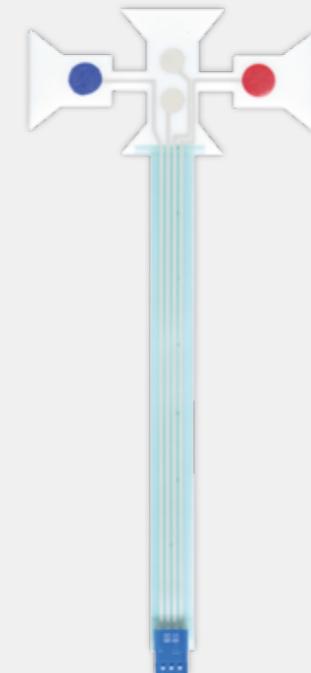
## Examination Kit / EEG

New

### Single patient CFM Electrode

- Excellent adhesion, lightweight, flexible and non-invasive.
- 1 channel recordings (C3 - C4 + REF - GND).
- Used in Neonatal Intensive Therapy Centers (NICU) to monitor neonatal encephalographic activity.

Code	Nº Channels	Pack
CFM700000	1	4 pcs



### Connection Cable for CFM Electrode

Code	Length	Connectors	Pack
CFMC15026	150 cm	Touch Proof Ø 1,5 mm DIN 42802	1 pc





## EEG / Headcaps Accessories

### Ear Clip Electrode

- Usable as a reference electrode.
- Available in different connectors and cable lengths.

Code	Electrode Material	Pack
EAR1026T0	Sn	1 pc
EAR1026AG	Ag Ag Cl	1 pc
EAR1026S0	Ag Ag Cl Sinterised	1 pc
EAR1026G0	Au	1 pc

Cable Length 100 cm

Touch Proof Ø 1,5 mm DIN 42802



### Replacement Electrode

- Electrodes replacement set: 10 electrodes and 10 electrodes holders.
- Available in: Tin/Silver/Silver Chloride/Gold.

Code	Compatibility	Electrode Material	Pack
RECELOOTIN	Medcap	Sn	10 set
RESELOOOAG	Sleepcap	Ag Ag Cl	10 set
RECES000AG	SoftCap / MultiCap	Ag Ag Cl	10 set

Cable Length 150 cm

Touch Proof Ø 1,5 mm DIN 42802



### Emergency Electrode

- Available in different connectors, materials and cable lengths.

Code	Electrode Material	Cable Length	Pack
EMELT12026	Sn	120 cm	1 pc



### Accessories

Code	Description	Pack
SPONGE300	Medcap adhesive sponge discs	50 pcs
PUL0000025	Brush for cleaning the electrode	25 pcs
LABEL001	Cables Labels for precabled headcaps	1 pc



## Headcaps Accessories / EEG

### Chest Band

- Made with soft and elastic materials designed for excellent patient comfort.
- Equipped with automatic clip for fast hooking with headcap ties.

Code	Size	Color Code	Pack
BELT0000120	120 cm	●	1 pc
BELT0000095	95 cm	●	1 pc
BELT0000070	70 cm	●	1 pc
BELT0000040	40 cm (Pediatric)	●	1 pc

### Chin Holder

- Made with soft and elastic materials designed for excellent patient comfort.
- The package includes a pair of adjustable ties.

Code	Size	Pack
TIRCUFFMENTA	Adult	1 pc
TIRCUFFMENTP	Pediatric	1 pc
TIRCUFFMENTN	Neonatal	1 pc

### Adapter Cable

- Available with different types of connectors.

Code	Contacts	Cable	Pack
CAPCAB2025F26	20	Flat	1 pc
CAPCAB2125F26	21	Flat	1 pc

Touch Proof Ø 1,5 mm DIN 42802

### Blunted Needles

- Sterile item that can be used for inserting the conductive gel into the prewired electrode housing.

Code	Diameter	Length	Pack
DISP0001500	1,60 mm (16G)	15 mm	100 pcs
DISP0001800	1,60 mm (16G)	18 mm	100 pcs
DISP0002500	1,60 mm (16G)	25 mm	100 pcs



## EEG / Support Headcaps

### Support Headcaps for Bridge Electrodes

- Made of soft, elastic, colored and wear-resistant materials.
- Chin holder and ear pads are included in the package.

Code	Size	Nº Bands	Band Diameter	Pack
HEADOV2L	Adult Large	2	4 mm	1 pc
HEADOV4L	Adult Large	4	4 mm	1 pc
HEADOV2M	Adult Small	2	4 mm	1 pc
HEADOV4M	Adult Small	4	4 mm	1 pc
HEADOV2S	Pediatric	2	4 mm	1 pc
HEADOV4S	Pediatric	4	4 mm	1 pc
HEADOB2S	Pediatric	2	2 mm	1 pc
HEADOB4S	Pediatric	4	2 mm	1 pc
HEADOB1N	Neonatal	1	2 mm	1 pc



### Support Band for Bridge Electrodes

- Composed on an elastic perforated band made of natural rubber.

Code	Size	Pack
HEADOOON	Neonatal	1 pc



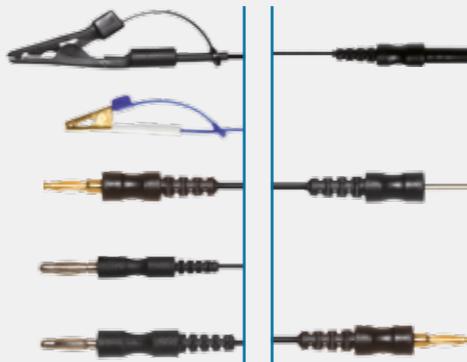
### Disposable Support Headcap

- Allows easy use of bridge electrodes and cup electrodes.
- Ensures uniform pressure without the use of the chin holder or chest bands.
- Guarantees the visibility of the skins integrity.
- Elasticity allows for use on different cranial circumferences.

Code	Size	Pack
D00000LA000	Adult Large (54 - 62 cm)	10 pcs
D00000MA000	Adult Small (46 - 54 cm)	10 pcs
D00000MI000	Pediatric Large (40 - 46 cm)	10 pcs
D00000SI000	Pediatric Small (34 - 40 cm)	10 pcs



Pack of 10 connection cables are available in the following colors:



## Bridge Electrodes / EEG

### Bridge Electrodes

- Gold screw guarantees high signal quality.
- Screw system suitable for correct positioning of the electrode on the skin.
- Universal connector suitable for 2 mm spring pin and crocodile clip.
- Bridge made of ABS plastic material.

Code	Electrode Material	Size	Bridge Color	Pack
BEAG00A2	AgAgCl	Adult	●	10 pcs
BEAG00A7	AgAgCl	Adult	●	10 pcs
BEAGOOP4	AgAgCl	Pediatric	○	10 pcs
BEAGOON1	AgAgCl	Neonatal	No Bridge	10 pcs
BEG000A2	AgAgCl Sinterised	Adult	●	10 pcs
BEG000A7	AgAgCl Sinterised	Adult	●	10 pcs
BEG000P4	AgAgCl Sinterised	Pediatric	○	10 pcs

### Connection Cables

- Cable is Tinsel-coated guaranteeing high flexibility.
- Silver conductors provide maximum mechanical resistance and excellent electrical conductivity.

Code	Electrode Side	Headbox Side	Pack
BEC1226C1GS	Insulated Crocodile	Ø 1,5 mm	10 pcs
BEC1223C1GS	Insulated Crocodile	Spring 2 mm pin	10 pcs
BEC1221C1GS	Insulated Crocodile	2 mm Pin	10 pcs
BEC1226C1PS	Mini Croco-Clip	Ø 1,5 mm	10 pcs
BEC122326S	Spring 2 mm pin	Ø 1,5 mm	10 pcs
BEC122323S	Spring 2 mm pin	Spring 2 mm pin	10 pcs
BEC122631S	Spring 3 mm pin	Ø 1,5 mm	10 pcs
BEC122641S	Spring 4 mm pin	Ø 1,5 mm	10 pcs

Cable Length 120 cm

### Assembling Kit for Bridge Electrodes

Code	Description	Pack
BCSET000	Cotton pads, rubber rings and covering tool	100 pcs

### Bridge Electrode Bowl

Code	Description	Pack
EHOS00000	Bridge Electrode Bowl	1 pc



## EEG / Cup Electrodes

- Made of pure Ag 999.99 %o for the highest recorded signal quality.
- The Touchproof Connectors ensure a stable long-term connection to any type of equipment.
- The cable guarantees maximum resistance and flexibility.

### Moulded

- Moulded cable-electrode connection ensures high mechanical strength during use.

Code	Material	Cup Diameter	Cable Length	Pack
DAGM102600	AgAgCl	10 mm	100 cm	10 pcs
DAGM152600	AgAgCl	10 mm	150 cm	10 pcs
DAGM252600	AgAgCl	10 mm	250 cm	10 pcs
DEGM102600	Au	10 mm	100 cm	10 pcs
DEGM152600	Au	10 mm	150 cm	10 pcs
DEGM252600	Au	10 mm	250 cm	10 pcs

Touch Proof Ø 1,5 mm DIN 42802

Pack of 10 cup electrodes are available in the following colors:



Pack of 10 cup electrodes are available in the following colors:



- Specific concept designed to ensure long-term recordings.

- Ultra-thin Teflon cable.
- Autoclavable electrode.

### LTM (Long Term Monitoring)

Code	Material	Cup Diameter	Cable Length	Pack
DGAGAT102600	AgAgCl	10 mm	100 cm	10 pcs
DGAGAT152600	AgAgCl	10 mm	150 cm	10 pcs
DGAGAT252600	AgAgCl	10 mm	250 cm	10 pcs
DGGOAT102600	Au	10 mm	100 cm	10 pcs
DGGOAT152600	Au	10 mm	150 cm	10 pcs
DGGOAT252600	Au	10 mm	250 cm	10 pcs

Touch Proof Ø 1,5 mm DIN 42802

### Pediatric

- Designed for pediatric patients.
- Reduced diameter of electrode to allow recording in more focused areas.

Code	Material	Cup Diameter	Cable Length	Pack
DAGS102606	AgAgCl	6 mm	100 cm	10 pcs
DAGS152606	AgAgCl	6 mm	150 cm	10 pcs
DAGS252606	AgAgCl	6 mm	250 cm	10 pcs
DEGS102606	Au	6 mm	100 cm	10 pcs
DEGS152606	Au	6 mm	150 cm	10 pcs
DEGS252606	Au	6 mm	250 cm	10 pcs

Touch Proof Ø 1,5 mm DIN 42802

Pack of 10 cup electrodes are available in the following colors:



Pack of 10 cup electrodes are available in the following colors:



### Casted

- Ideal cable-electrode connection to avoid water contact and to ensure high mechanical strength.
- Autoclavable electrode (available in non-autoclavable version on request).
- Extremely flexible silicone cable.

Code	Material	Cup Diameter	Cable Length	Pack
DSCSAS102600	AgAgCl	10 mm	100 cm	10 pcs
DSCSAS152600	AgAgCl	10 mm	150 cm	10 pcs
DSCSAS252600	AgAgCl	10 mm	250 cm	10 pcs
DSGSAS102600	Au	10 mm	100 cm	10 pcs
DSGSAS152600	Au	10 mm	150 cm	10 pcs
DSGSAS252600	Au	10 mm	250 cm	10 pcs

Touch Proof Ø 1,5 mm DIN 42802

Pack of 10 cup electrodes are available in the following colors:



Pediatric Version



### Spider

- The design of the weft provides a better contact surface and ensures high mechanical strength during use.
- Available in adult and pediatric versions.

Code	Material	Cup Diameter	Cable Length	Pack
SPIDER101026	AgAgCl	10 mm	100 cm	10 pcs
SPIDER151026	AgAgCl	10 mm	150 cm	10 pcs
SPIDER251026	AgAgCl	10 mm	250 cm	10 pcs
SPIDER101026G	Au	10 mm	100 cm	10 pcs
SPIDER151026G	Au	10 mm	150 cm	10 pcs
SPIDER151026G	Au	10 mm	250 cm	10 pcs
SPIDER100626	AgAgCl	6 mm	100 cm	10 pcs
SPIDER150626	AgAgCl	6 mm	150 cm	10 pcs
SPIDER250626	AgAgCl	6 mm	250 cm	10 pcs
SPIDER100626G	Au	6 mm	100 cm	10 pcs
SPIDER150626G	Au	6 mm	150 cm	10 pcs
SPIDER250626G	Au	6 mm	250 cm	10 pcs

Touch Proof Ø 1,5 mm DIN 42802



## EEG / Cup Electrodes

### Disposable Electrodes

- Available in single-use integrated cable or reusable detachable cable.
- Highly practical due to lightweight materials.
- Best signal recording due to AgAgCl surface.

Code	Electrode Material	Cup Diameter	Cable Length	Box
DAGD102600	AgAgCl	10 mm	100 cm	10 pack/200 pcs
DAGD152600	AgAgCl	10 mm	150 cm	10 pack/200 pcs
DAGD252600	AgAgCl	10 mm	250 cm	10 pack/200 pcs

Touch Proof Ø 1,5 mm DIN 42802

Code	Electrode Material	Cup Diameter	Cable Length	Pack
DAGD0000	AgAgCl	10 mm	/	500 pcs

Code	Cable Length	Connectors	Pack
DECS102600	100 cm	Ø 1,5 mm	10 pcs
DECS152600	150 cm	Ø 1,5 mm	10 pcs
DECS252600	250 cm	Ø 1,5 mm	10 pcs

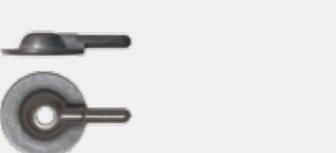
### Sintered Electrodes

- Consists of a sintered disk moulded in an insulating material.
- Excellent signal quality guaranteed by the low impedance of the material.
- Made to ensure long-lasting recordings.

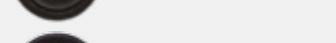
Code	Electrode Material	Cup Diameter	Length	Pack
DSTS102600	AgAgCl Sintered	5 mm	100 cm	10 pcs
DSTS152600	AgAgCl Sintered	5 mm	150 cm	10 pcs
DSTS252600	AgAgCl Sintered	5 mm	250 cm	10 pcs
DSZS102600	AgAgCl Sintered	6 mm	100 cm	10 pcs
DSZS152600	AgAgCl Sintered	6 mm	150 cm	10 pcs
DSZS252600	AgAgCl Sintered	6 mm	250 cm	10 pcs

Touch Proof Ø 1,5 mm DIN 42802

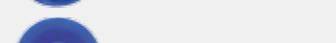
Pack of 10 cup electrodes are available in the following colors



Pack of 10 cup electrodes are available in the following colors



Ø 5 mm



Ø 6 mm

Pack of 10 cup electrodes are available in the following colors



Compatible version for MRI



Disposable version



Reusable version

### Disposable Electrodes for MRI Registration

- Version with integrated cable suitable for recording the EEG signal during magnetic resonance imaging.

Code	Electrode Material	Cup Diameter	Cable Length	Pack
DAGR102600MRI	AgAgCl	10 mm	100 cm	10 pcs
DAGR152600MRI	AgAgCl	10 mm	150 cm	10 pcs
DAGR252600MRI	AgAgCl	10 mm	250 cm	10 pcs

Touch Proof Ø 1,5 mm DIN 42802

### Disposable Electrodes Compatible for MRI

- Designed for safe magnetic resonance imaging.
- The multipole connector eliminates removal of electrodes from patients skin.
- To be used with connection cable.

Code	Electrode Material	Nº Electrodes	Cup Diameter	Pack
DCCCCPE-21	AgAgCl (disposable)	21	10 mm	1 set
DCCCCPE-23	AgAgCl (disposable)	23	10 mm	1 set
DCCCCPE-25	AgAgCl (disposable)	25	10 mm	1 set
DGGGOGCE-21	Au (reusable)	21	10 mm	1 set
DGGGOGCE-23	Au (reusable)	23	10 mm	1 set
DGGGOGCE-25	Au (reusable)	25	10 mm	1 set

Code	Nº of Contacts	Pack
BECHAR-21	21	1 pc
BECHAR-23	23	1 pc
BECHAR-25	25	1 pc

Cable Length 100 cm

Touch Proof Ø 1,5 mm DIN 42802





## EEG / Pastes and Gel

Spes Medica is active in the production and processing of pastes and gels for Neurodiagnostic applications. We offer products for the preparation and the treatment of the skin and for the proper registration.



## Pastes and Gel/ EEG

### Ac Cream

- Highly conductive and adhesive paste for long-lasting EEG recordings.
- Easily removable and washable.

Code	Description	Package	Pack
AC CREAM250V-3	Adhesive and conductive paste	Jar 250 gr	3 pcs
AC CREAM100V	Adhesive and conductive paste	Jar 100 gr	1 pc
AC CREAM050V	Adhesive and conductive paste	Jar 50 gr	1 pc

### Neurgel

- Highly conductive gel.
- Guarantees low impedance and excellent signal stability.
- Reduces the risk of bridge effect between the electrodes.

Code	Description	Package	Pack
NEURGEL250V-3	Conductive gel	Jar 250 gr	3 pcs
NEURGEL250F	Conductive gel	Bottle 250 gr	1 pc

### Neurprep

- New formulation suitable for skin preparation before EEG recording.
- Guarantees low impedance.
- Dermatologically tested for the most sensitive skins.

Code	Description	Package	Pack
NPREP120T-3	Degreasing gel	Bottle 120 gr	3 pcs
NPREPO25T	Degreasing gel	Bottle 25 gr	1 pc

### Everi

- Specific product for skin preparation before registration.
- Guarantees low impedance and increased adhesion of the electrode to the skin.

Code	Description	Package	Pack
EVERI160SPE-24	Degreasing gel	Bottle 160 gr	24 pcs
EVERI160SPE	Degreasing gel	Bottle 160 gr	1 pc



## EEG / Pastes and Gel

### Elefix

Adhesive and conductive paste for EEG and EP.

Code	Description	Package	Pack
ELEFIX-TS	Adhesive and conductive paste	Bottle 180 gr	10 pcs
ELEFIX-S	Adhesive and conductive paste	Jar 400 gr	3 pcs



### Skin Pure

Abrasive paste to prepare the skin before an EEG examination.

Code	Description	Package	Pack
SKIN-PURE	Degreasing paste	Bottle 135 gr	2 pcs



### EC-2

· Adhesive and conductive paste that ensures excellent adhesion of the electrode for long EEG recordings.

Code	Description	Package	Pack
SEC-2	Adhesive and conductive paste	Bottle 100 gr	10 pcs



### Ten20

· Adhesive paste.

Code	Description	Package	Pack
10-20-4	Adhesive paste	Jar 114 gr	3 pcs
10-20-4T	Adhesive paste	Bottle 114 gr	3 pcs
10-20-8	Adhesive paste	Jar 226 gr	3 pcs



### Nuprep

· Recommended gel for improving recording quality due to reduced impedance.

Code	Description	Package	Pack
10-30	Degreasing gel	Bottle 114 gr	3 pcs



## Pastes and Gel / EEG

### Electrogel

· Conductive gel recommended for EEG recording with different cup electrode models.

Code	Description	Package	Pack
E-9	Conductive gel	Jar 450 gr	1 pc
E-10	Conductive gel	Jar 905 gr	1 pc
E-11	Conductive gel	Jar 3630 gr	1 pc



### Collodium

· Adhesive paste for long-lasting EEG recordings.

Code	Description	Package	Pack
COLLODION-5/LV	Low viscosity adhesive paste	Bottle 6,5 ml	20 pcs
COLLODION-5	High viscosity adhesive paste	Bottle 6,5 ml	20 pcs



### Korsolex Plus

· Fluid disinfectant without aldehydes

Code	Description	Package	Pack
KORSOLEX 2L	Disinfectant	2 L	2 pcs
KORSOLEX 5L	Disinfectant	5 L	1 pc



### Ivory

· Lotion for cleaning the EEG headcap.

Code	Description	Package	Pack
E-16-F	Emulsion	Bottle 700 ml	1 pc



## EEG / Subdermal Needle Electrode

### Neuroart - Subdermal Needle Electrode

- Guarantees excellent signal stability and non-traumatic insertion.
- Provides excellent recording and effective patient stimulation.

Code	Needle length	Needle Diameter	Cable Length	Pack
MN4013D10S	13 mm	0,40 mm	100 cm	24 pcs
MN4013D10B	13 mm	0,40 mm	100 cm	24 pcs
MN4013D15S	13 mm	0,40 mm	150 cm	24 pcs
MN4013D15B	13 mm	0,40 mm	150 cm	24 pcs
MN4013D25S	13 mm	0,40 mm	250 cm	24 pcs
MN4013D25B	13 mm	0,40 mm	250 cm	24 pcs

Touch Proof Ø 1,5 mm DIN 42802

Item available in two different color sets (Ref. code):

S ● ● ● ● ○ ○ ○ ○ B ● ● ● ● ○ ○ ○ ○

Code	Needle Length	Needle Ø	Cable Length	Connectors	Pack
MN3512P150	12 mm	0,35 mm	8 cm	1 mm Pin	250 pcs
MN3518P150	18 mm	0,35 mm	8 cm	1 mm Pin	250 pcs
MN3512P100	12 mm	0,35 mm	8 cm	1 mm Pin	100 pcs
MN3512F110	12 mm	0,35 mm	ND	1 mm Pin	250 pcs
MN3010F007	10 mm	0,35 mm	ND	0,7 mm	40 pcs

Touch Proof Pin

### Hook Needle Electrodes

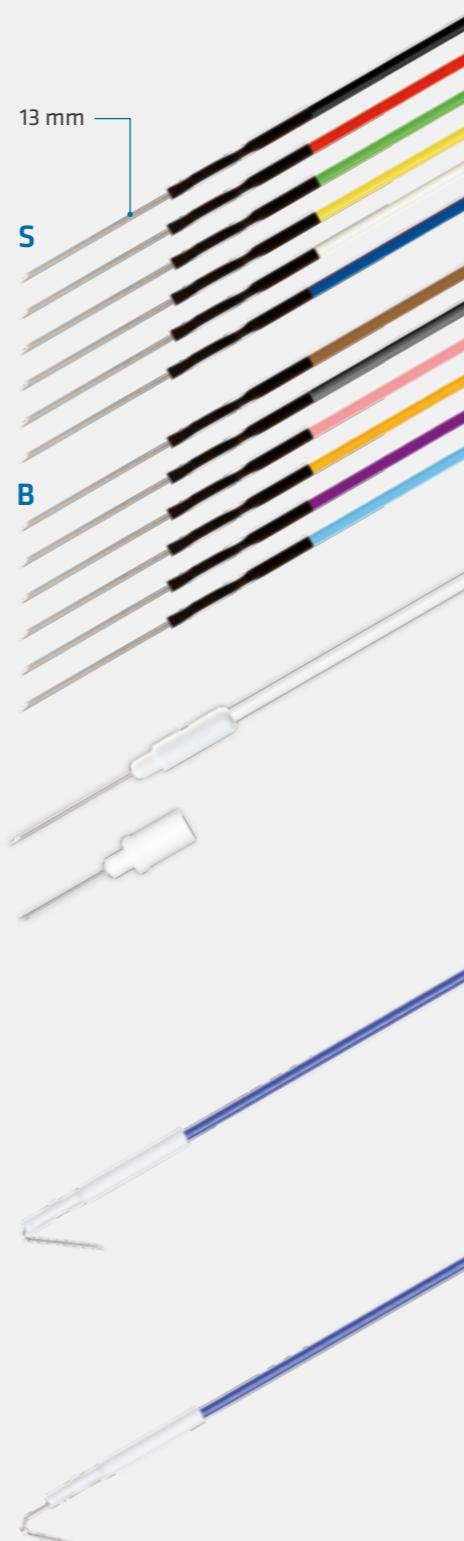
- Ensures excellent signal stability and optimal patient stimulation.
- As recently published (American Society of Neurophysiological Monitoring Guidelines), the curved electrode needles guarantee a greater stability of the signal without risk of needle breakage.

Code	Needle length	Needle Diameter	Cable Length	Pack
MN4013HD10S	13 mm	0,40 mm	100 cm	24 pcs
MN4013HD15S	13 mm	0,40 mm	150 cm	24 pcs
MN4013HD25S	13 mm	0,40 mm	250 cm	24 pcs

Touch Proof Ø 1,5 mm DIN 42802

Code	Needle Length	Needle Diameter	Cable Length	Pack
MN4013CD10S	21 mm	0,40 mm	100 cm	24 pcs
MN4013CD15S	21 mm	0,40 mm	150 cm	24 pcs
MN4013CD25S	21 mm	0,40 mm	250 cm	24 pcs

Touch Proof Ø 1,5 mm DIN 42802



Pack of 10 cup electrodes are available in the following colors:

● ● ● ● ○ ○ ○ ○



## Connection Cables / EEG

### Monopolar Cables

- Monopolar cables are suitable for connecting electrodes to the various devices currently on the market.

Code	Electrode Side	Cable Length	Pack
MNC10PDINS	1 mm Pin	100 cm	10 pcs
MNC10DDINS	1,5 mm Touch Proof Pin	100 cm	10 pcs
MNC10MEDDINS	0,7 mm Pin	100 cm	10 pcs
LEAD1026S0	Snap	100 cm	10 pcs
LEAD1526S0	Snap	150 cm	10 pcs
LEAD2526S0	Snap	250 cm	10 pcs
LEDCDE0026S	Spring Snap	100 cm	10 pcs

Touch Proof Ø 1,5 mm DIN 42802

### Shielded Multipolar Cables

Code	Electrode Side	Headbox Side	Pack
1003SNAP71F	3x Snap	5 pole din	1 pc
1003SNAP26F	3x Snap	Ø 1,5 mm	1 pc
1003MED71F	3x Pin 0,7 mm	5 pole din	1 pc
1003MED26F	3x Pin 0,7 mm	Ø 1,5 mm	1 pc
1003DIN71F	3x 1,5 mm Touch Proof Pin	5 pole din	1 pc
1003DIN26F	3x 1,5 mm Touch Proof Pin	Ø 1,5 mm	1 pc
1003P1N71F	3x 1 mm Pin	5 pole din	1 pc
1003P1N26F	3x 1 mm Pin	Ø 1,5 mm	1 pc
1003CROC71F	3x Insulated Crocodile	5 pole din	1 pc
1003CROC26F	3x Insulated Crocodile	Ø 1,5 mm	1 pc
1002SNAP71F	2x Snap	5 pole din	1 pc
1002SNAP26F	2x Snap	Ø 1,5 mm	1 pc
1002MED71F	2x 0,7 mm Pin	5 pole din	1 pc
1002MED26F	2x 0,7 mm Pin	Ø 1,5 mm	1 pc
1002DIN71F	2x 1,5 mm Touch Proof Pin	5 pole din	1 pc
1002DIN26F	2x 1,5 mm Touch Proof Pin	Ø 1,5 mm	1 pc
1002P1N71F	2x 1 mm Pin	5 pole din	1 pc
1002P1N26F	2x 1 mm Pin	Ø 1,5 mm	1 pc
1002CROC71F	2x Insulated Crocodile	5 pole din	1 pc
1002CROC26F	2x Insulated Crocodile	Ø 1,5 mm	1 pc

Cable Length 100 cm



## EEG / ERG Electroretinography

New

### Sterile Electrode for ERG

- Designed to be used during Electroretinography (ERG).
- Records the electrical signal of the retina cells, including the webs.
- Excellent adhesion, no corneal trauma and no need for local anesthesia.
- Electrode wire is also available.

Code	Cable Length	Connectors	Pack
DT0001	15 cm	■ ■ Ø 1,5 mm	10 pcs

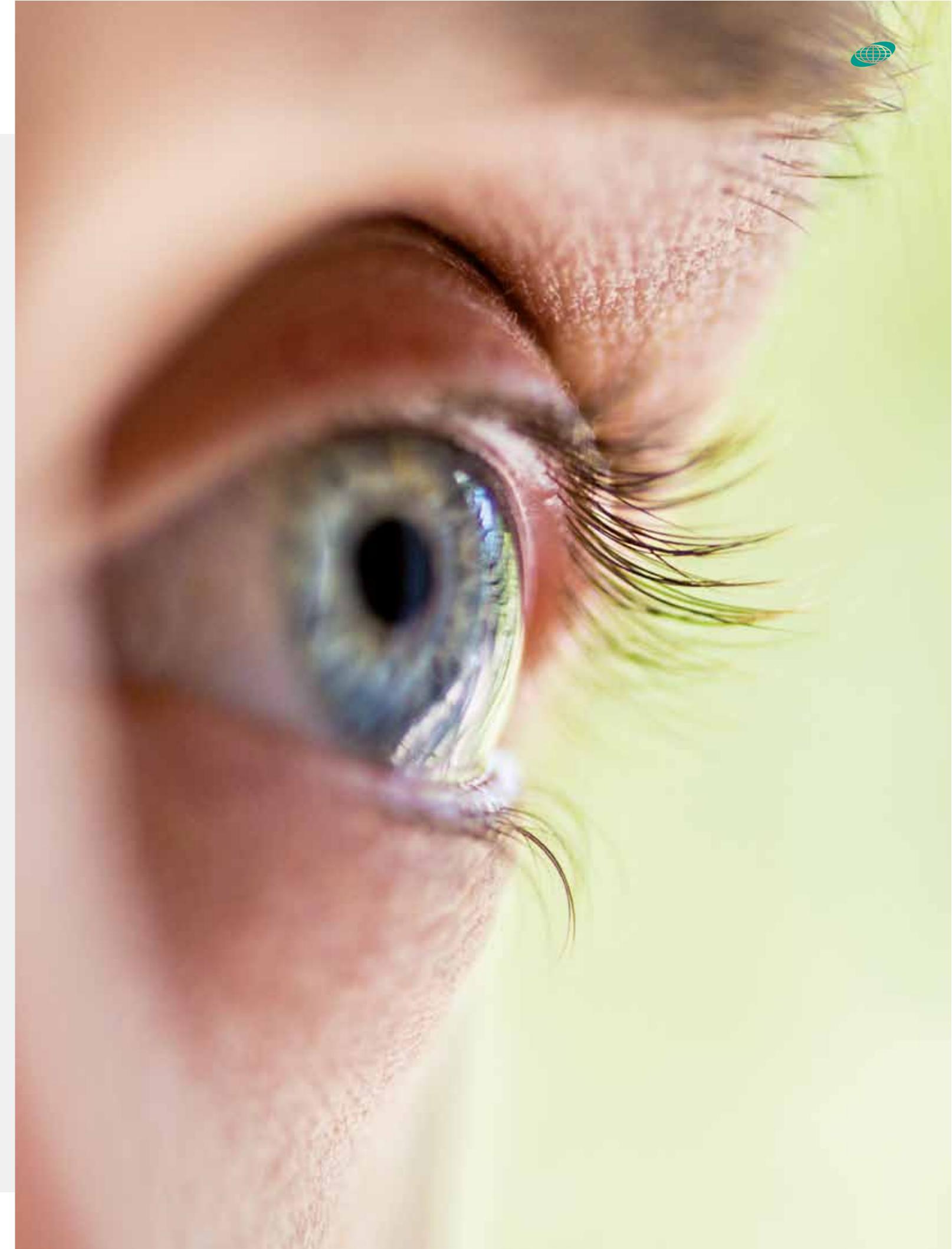
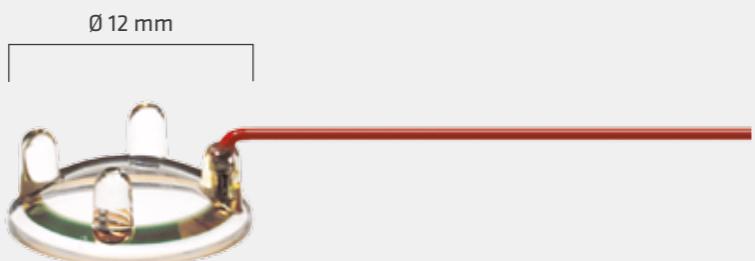
Code	Description	Pack
DTW001	Wire 256 cm for ERG Electrode	1 pc



### ERG-JET Electrode

Code	Electrode Diameter	Cable Length	Pack
ERG-JET-F-06	12 mm	100 cm	50 pcs
ERG-JET-F-12	12 mm	100 cm	12 pcs

■ ■ Touch Proof Ø 1,5 mm DIN 42802





Spes Medica aims to provide support to Neurologists and Surgeons in Intraoperative Monitoring of the Functional Integrity of the Central and Peripheral Nervous System.

- Intramuscular Needle Electrodes
- Subdermal Needle Electrodes
- Pre-Tympanic Electrodes
- Laryngeal Electrodes
- Stimulation Probes
- Cork Screw



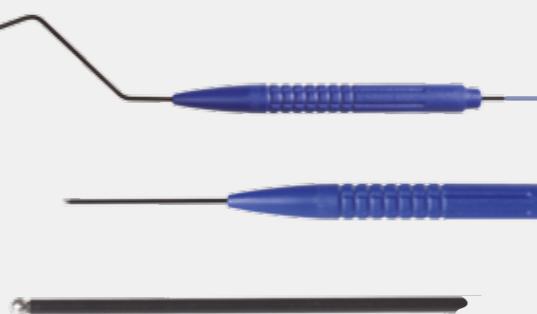
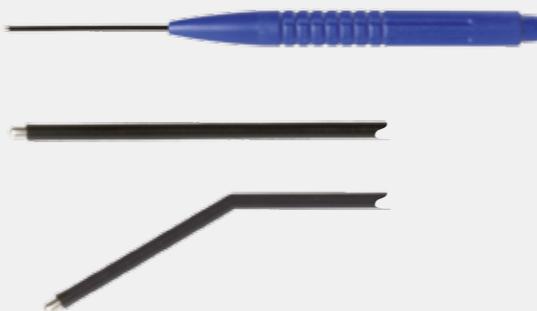
## IOM / Stimulation Probes

## Stimulation Probes / IOM

### Monopolar

Code	Model	Probe Length	Pack
SI1I0045S2526D	Monopolar	45 mm	5 pcs
SI1I0100S2526D	Monopolar	100 mm	5 pcs
SI1I0200S2526D	Monopolar	200 mm	5 pcs
SI1IB130S2526D	Bayonet monopolar	130 mm	5 pcs
SI1IC095S2526D	Bent monopolar	95 mm	5 pcs

Reusable models available



### Ball Monopolar

Code	Model	Probe Length	Probe Diameter	Pack
SI1B0045S2526D	Ball Monopolar	45 mm	2 mm	5 pcs
SI1B0100S2526D	Ball Monopolar	100 mm	3 mm	5 pcs
SI1BB130S2526D	Ball Bayonet Monopolar	130 mm	3 mm	5 pcs

Reusable models available



### Ball Bipolar

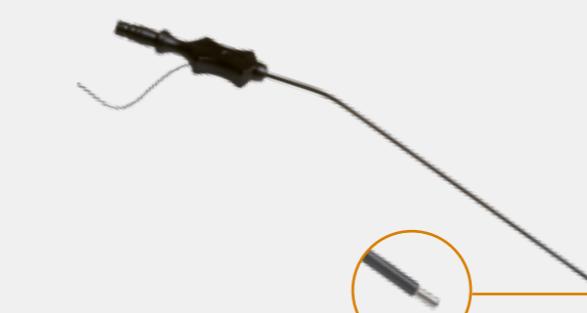
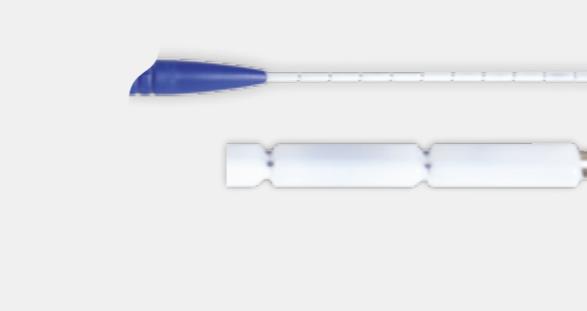
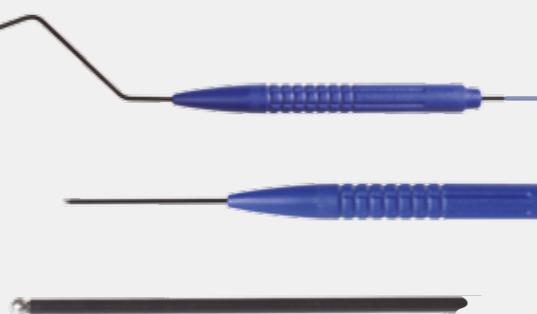
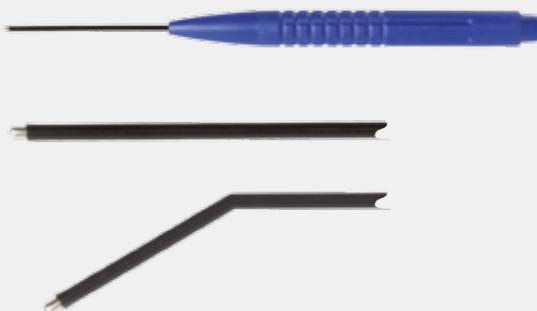
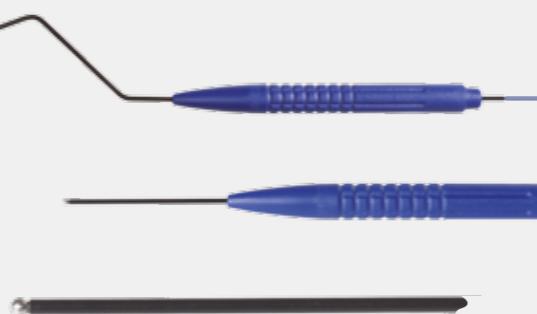
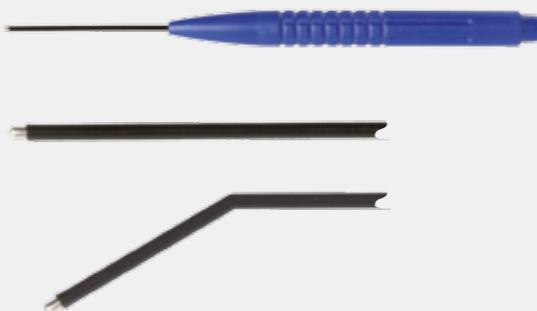
Code	Model	Probe Length	Probe Diameter	Pack
SI2B0030S2526D	Ball Bipolar	30 mm	2 mm	5 pcs

Reusable models available

### Concentric Bipolar

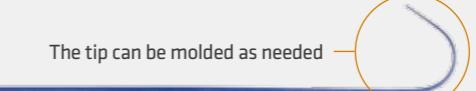
Code	Description	Probe Length	Pack
SI2C0045S2526D	Concentric Bipolar	45 mm	5 pcs
SI2C0100S2526D	Concentric Bipolar	100 mm	5 pcs
SI2CB130S2526D	Bayonet concentric bipolar	130 mm	5 pcs
SI2CC045S2526D	Bent concentric bipolar	45 mm	5 pcs
SI2CC095S2526D	Bent concentric bipolar	95 mm	5 pcs
SI2TC045S2526D	Ball concentric bipolar	45 mm	5 pcs
SI2TC100S2526D	Ball concentric bipolar	100 mm	5 pcs

Reusable models available



Code	Model	Probe Length	Pack
SI2F0045S2526D	Bipolar minifork	45 mm	5 pcs
SI2F0100S2526D	Bipolar minifork	100 mm	5 pcs
SI2FB130S2526D	Bayonet bipolar minifork	130 mm	5 pcs
SI2FC095S2526D	Bent bipolar minifork	95 mm	5 pcs
SI3FC095S2526D	Bent tripolar pediatric minifork	95 mm	5 pcs

Reusable models available



Code	Model	Probe Length	Pack
SI1IF095S2526D	Flush Tip	95 mm	5 pcs

New +

### Flush Tip

Code	Model	Probe Length	Pack
SI2H0020S2526D	Hook	20 mm	5 pcs

Reusable models available

Code	Model	Probe Length	Pack
SI3H0020S2526D	Triple Hook	20 mm	5 pcs

Reusable models available

### DryTouch: Suction Stimulator Probe

- Provides a dry stimulation field for accurate testing.
- Tip designed to simultaneously provide repeatable stimulation and evacuate conductive fluids that generate electrical shunting.

Code	Description	Probe Length	Pack
PSS13DF	Dry Touch	130 mm	1 pc
PSS26DF	Dry Touch	260 mm	1 pc



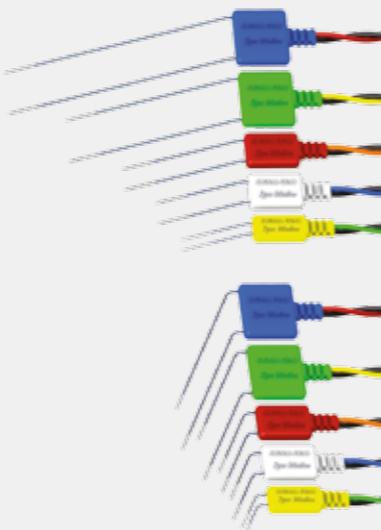
## IOM / Needle Electrodes

## Needle Electrodes / IOM

### Hook Electrodes

- Predefined electrodes distance for best precision in the application.
- Pair of intramuscular electrodes developed to ensure optimal signal amplitude registration.
- Available in different inclinations to allow optimal positioning of the needle.

Code	Needle Length	Needle Diameter	Inclination	Electrode Distance	Pack
TFDN351331	13 mm	0,35 mm	30°	2,5 mm	10 pcs
TFDN351341	13 mm	0,35 mm	90°	2,5 mm	10 pcs
TFDN451831	18 mm	0,45 mm	30°	5 mm	10 pcs
TFDN451841	18 mm	0,45 mm	90°	5 mm	10 pcs
TFDN452531	25 mm	0,45 mm	30°	5 mm	10 pcs
TFDN452541	25 mm	0,45 mm	90°	5 mm	10 pcs
TFDN453731	37 mm	0,45 mm	30°	10 mm	10 pcs
TFDN453741	37 mm	0,45 mm	90°	10 mm	10 pcs
TFDN455031	50 mm	0,45 mm	30°	10 mm	10 pcs
TFDN455041	50 mm	0,45 mm	90°	10 mm	10 pcs



### Hook Wire Electrodes

- The wire used as a recording part is characterized by a small diameter which guarantees a high level of patient comfort.
- The end of the wire is hooked to allow high electrode stability during recording.

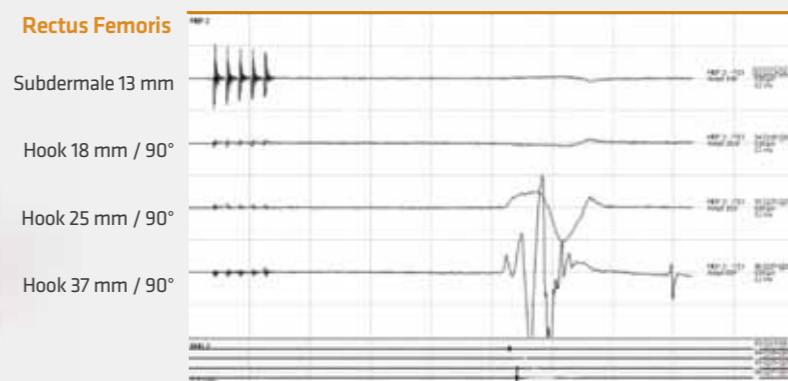
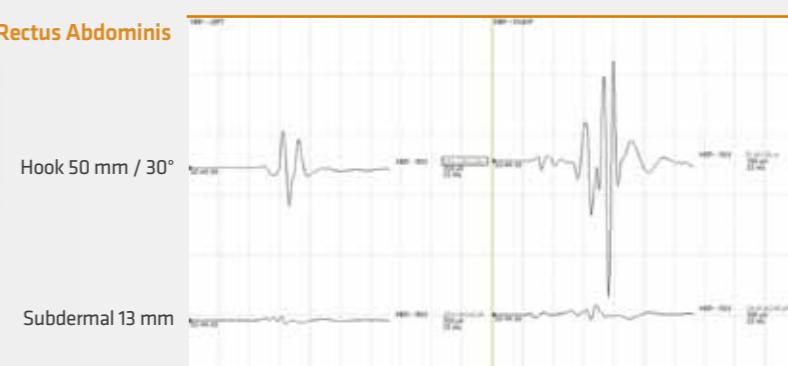
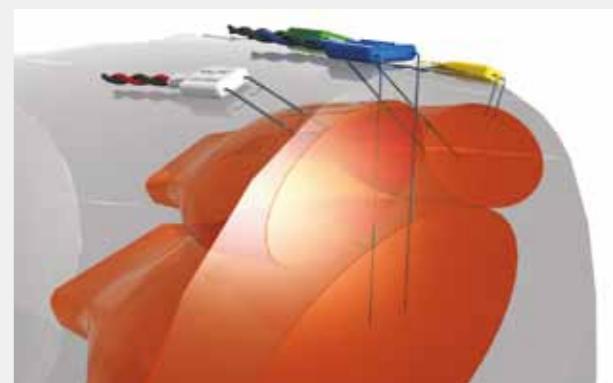
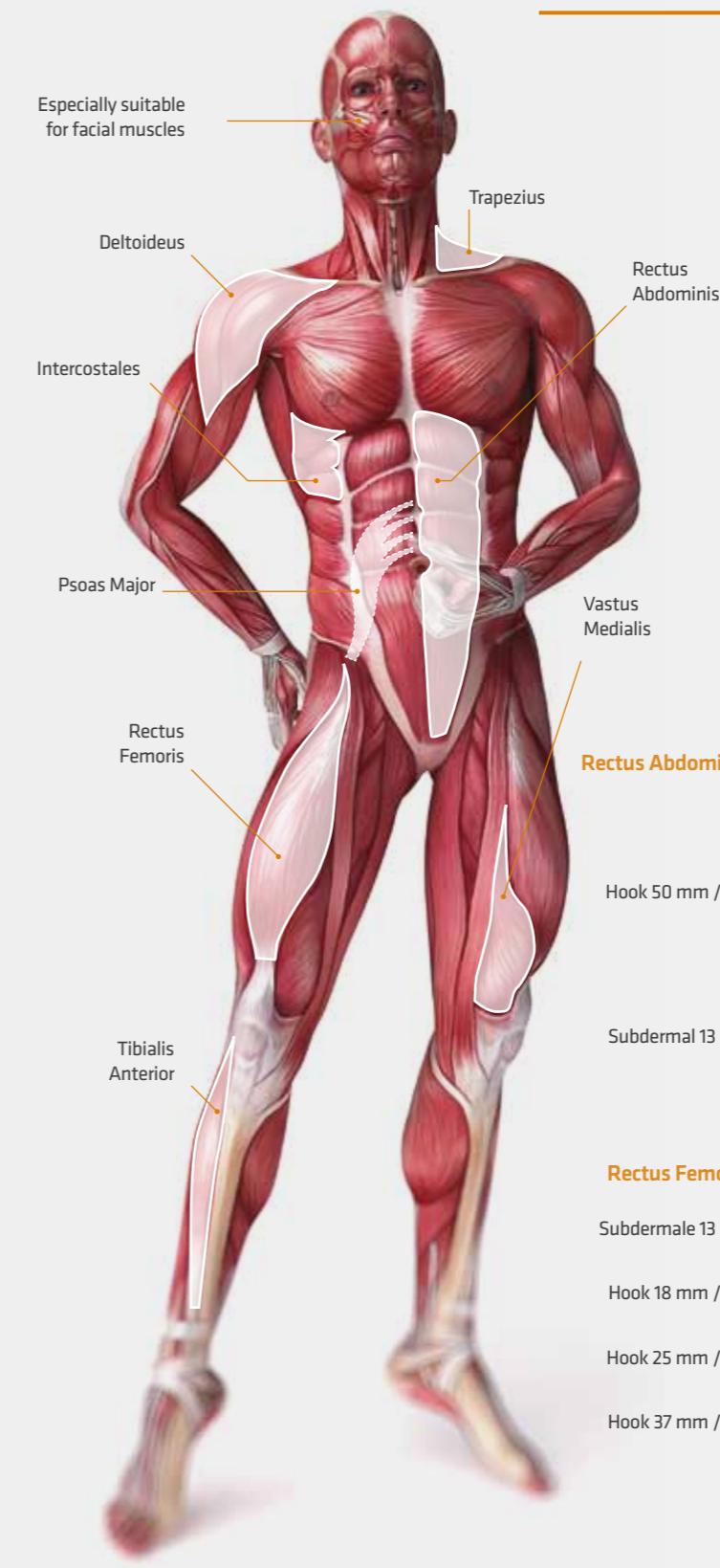
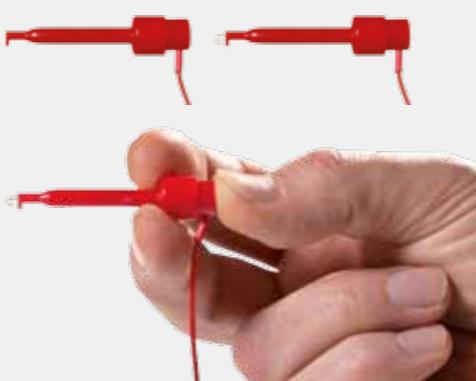
Code	Needle Length	Needle Diameter	Wires N°	Connection	Pack
DIMW1105030101	30 mm	0,50 mm	1	Straight on the wire	10 pcs
DIMW1105050101	50 mm	0,50 mm	1	Straight on the wire	10 pcs
DIMW1105030102	30 mm	0,50 mm	2	Straight on the wire	10 pcs
DIMW1105050102	50 mm	0,50 mm	2	Straight on the wire	10 pcs
DIMW11050301P1	30 mm	0,50 mm	1	1 mm Pin	10 pcs
DIMW11050501P1	50 mm	0,50 mm	1	1 mm Pin	10 pcs
DIMW11050301P2	30 mm	0,50 mm	2	1 mm Pin	10 pcs
DIMW11050501P2	50 mm	0,50 mm	2	1 mm Pin	10 pcs



### Connection Cable for Hook Wire Electrodes

- Different lengths and connectors are available for any commercial equipment and are available on request.

Code	Headbox Side	Electrode Side	Cable Length	Pack
BEC1026C1M6	Ø 1,5 mm	1x Micro Clip	100 cm	1 pc
1002C1M71F	5 pole din	2x Micro Clip	100 cm	1 pc
1002C1M26F	Ø 1,5 mm	2x Micro Clip	100 cm	1 pc
MNC10PDIN6	Ø 1,5 mm	1x 1mm Pin	100 cm	1 pc
1002P1N71F	5 pole din	2x 1mm Pin	100 cm	1 pc
1002P1N26F	Ø 1,5 mm	2x 1mm Pin	100 cm	1 pc



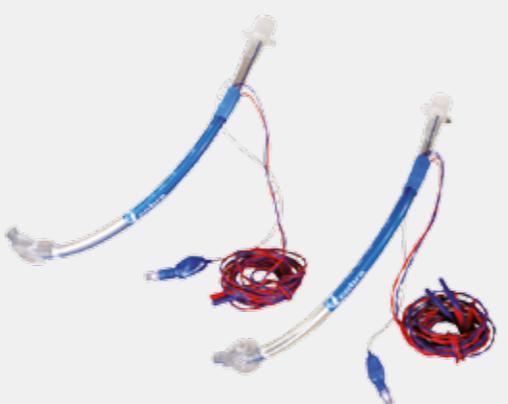


## IOM / Laryngeal Electrodes

### Integrated Laryngeal Electrodes

- The integrated endotracheal tube is a technological innovation as the electrodes are directly integrated into the surface of the tube.
- Large electrode area facilitates placement on the vocal cords.

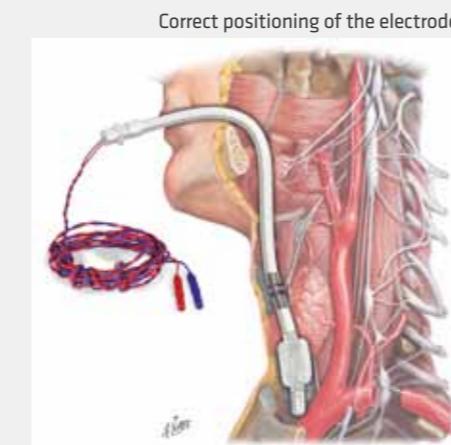
Code	Channels N°	ET Tube Diameter	Cable Length	Pack
LSEIP-1-6	1	6 mm	150 cm	5 pcs
LSEIP-1-7	1	7 mm	150 cm	5 pcs
LSEIP-1-8	1	8 mm	150 cm	5 pcs
Touch Proof Ø 1,5 mm DIN 42802				
LSEIP-2-6	2	6 mm	150 cm	5 pcs
LSEIP-2-7	2	7 mm	150 cm	5 pcs
LSEIP-2-8	2	8 mm	150 cm	5 pcs
Touch Proof Ø 1,5 mm DIN 42802				



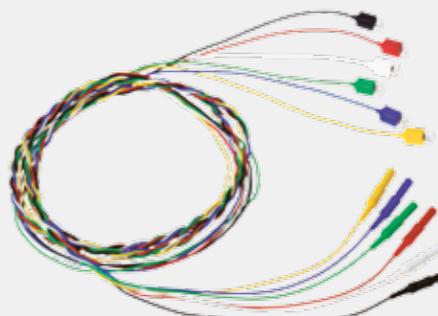
### Dragonfly - Adhesive Laryngeal Electrodes

- The Dragonfly electrode is made of soft material to avoid any risk of injury while inserting the tube.
- Can be applied on any reinforced endotracheal tube.

Code	Channels N°	ET Tube Diameter	Cable Length	Pack
LSE3446MCP075	1	2.0-5.5 mm	75 cm	10 pcs
LSE3446MCA075	1	6.0-7.0 mm	75 cm	10 pcs
LSE4246MCA075	1	7.5-10.0 mm	75 cm	10 pcs
LSE3463DCA200	2	6.0-7.5 mm	200 cm	10 pcs
LSE4263DCA200	2	8.0-9.5 mm	200 cm	10 pcs
Touch Proof Ø 1,5 mm DIN 42802				



Pack of cork screw needle electrodes are available in the following colors:



## Electrodes and Connection Cables / IOM

### Cork Screw Needle Electrodes

- Our cork screw needle electrodes provide excellent signal recording and effective stimulation on the patient.
- Double sharpening for non-traumatic insertion.
- Available with recognition hub and cable in 6 different colors.

Code	Cable Length	Pack
MNCS0610DS	100 cm	24 pcs
MNCS0615DS	150 cm	24 pcs
MNCS0625DS	250 cm	24 pcs
Touch Proof Ø 1,5 mm DIN 42802		

### Twisted Cork Screw Needle Electrodes

- Our twisted cork screw needle electrodes provide excellent signal recording and effective stimulation on the patient.

Code	Cable Length	Pack
MNCS0610A/S	2 x 100 cm	12 pcs
MNCS0615A/S	2 x 150 cm	12 pcs
MNCS0625A/S	2 x 250 cm	12 pcs
Touch Proof Ø 1,5 mm DIN 42802		

Code	Cable Length	Pack
MNCS0615DT5	5 x 150 cm	10 pcs
MNCS0615DT6	6 x 150 cm	10 pcs
Touch Proof Ø 1,5 mm DIN 42802		

**MRI (Magnetic Resonance Imaging) compatible version available on request**



### Tympanic Electrode

- Our tympanic electrode is designed to be used during electrocycleography (ECOchG) and tympanic membrane (TM) signal monitoring and recording.
- Soft and flexible insulating material.
- Smooth, rounded probe tip with golden sensor.

Code	Cable Length	Connectors	Pack
TED001	250 cm	Ø 1,5 mm	1 pc



### Connection Cable

- Sterile disposable connection cable with crocodile terminal.

Code	Cable Length	Connectors	Pack
MNC25DIN1ST	250 cm	Ø 1,5 mm	1 pc

## IOM / Subdermal Needle Electrodes

**Neurodart - Subdermal Needle Electrodes**

- Guarantee excellent signal stability and easy non-traumatic insertion.
  - Provide excellent recording and effective patient stimulation.

<b>Code</b>	<b>Needle Length</b>	<b>Needle Diameter</b>	<b>Cable Length</b>	<b>Pack</b>
MN4013D10S	13 mm	0,40 mm	100 cm	24 pcs
MN4013D10B	13 mm	0,40 mm	100 cm	24 pcs
MN4013D15S	13 mm	0,40 mm	150 cm	24 pcs
MN4013D15B	13 mm	0,40 mm	150 cm	24 pcs
MN4013D25S	13 mm	0,40 mm	250 cm	24 pcs
MN4013D25B	13 mm	0,40 mm	250 cm	24 pcs
MN4018D10S	18 mm	0,40 mm	100 cm	24 pcs
MN4018D15S	18 mm	0,40 mm	150 cm	24 pcs
MN4018D25S	18 mm	0,40 mm	250 cm	24 pcs
MN4022D10S	22 mm	0,40 mm	100 cm	24 pcs
MN4022D15S	22 mm	0,40 mm	150 cm	24 pcs
MN4022D25S	22 mm	0,40 mm	250 cm	24 pcs

MRI (Magnetic Resonance Imaging) compatible version available on request.

Item available in two different color sets (Ref. code):

## Hook Needle Electrodes

- Our hook needle electrodes provide excellent signal recording and effective stimulation on the patient.
  - As recently published (American Society of Neurophysiological Monitoring Guidelines), the curved electrode needles guarantee a greater stability of the signal without risk of needle breakage.

<b>Code</b>	<b>Needle length</b>	<b>Needle Diameter</b>	<b>Cable Length</b>	<b>Pack</b>
MN4013HD10S	13 mm	0,40 mm	100 cm	24 pcs
MN4013HD15S	13 mm	0,40 mm	150 cm	24 pcs
MN4013HD25S	13 mm	0,40 mm	250 cm	24 pcs

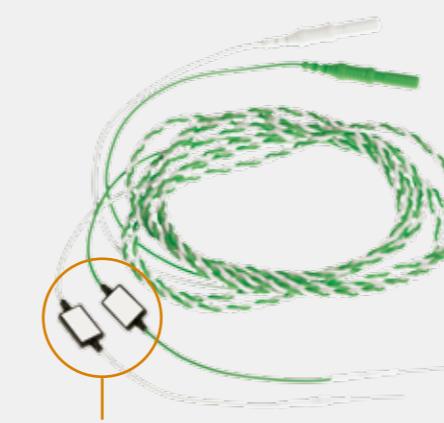
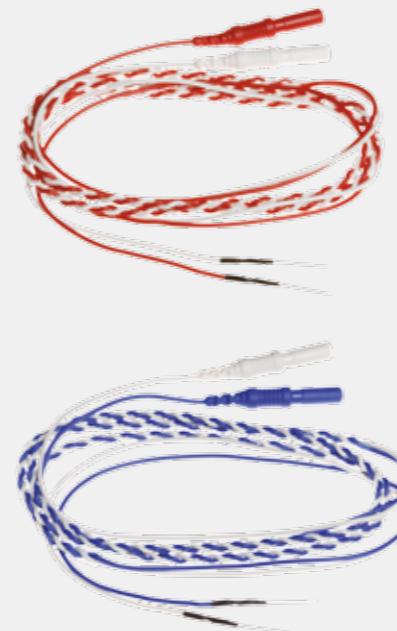
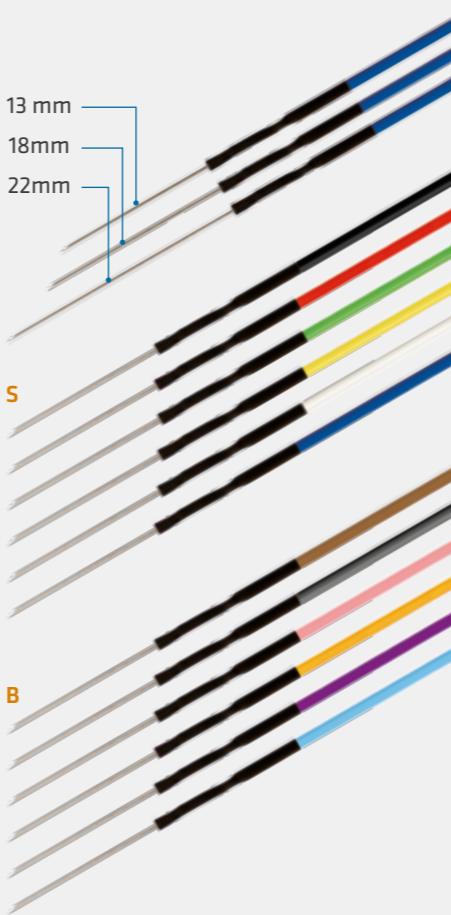
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Code	Needle length	Needle Diameter	Cable Length	Pack
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MN4013CD10S	21 mm	0,40 mm	100 cm	24 pcs
MN4013CD15S	21 mm	0,40 mm	150 cm	24 pcs
MN4013CD25S	21 mm	0,40 mm	250 cm	24 pcs

 Touch Proof Ø 1,5 mm DIN 42802



## **Subdermal Needle Electrodes / IOM**

## Twisted Subdermal Needle Electrodes

- Our hook needle electrodes provide excellent signal recording and effective stimulation on the patient.

<b>Code</b>	<b>Needle length</b>	<b>Needle Diameter</b>	<b>Cable Length</b>	<b>Pack</b>
MN4013D10A/S	13 mm	0,40 mm	2 x 100 cm	20 set
MN4013D10B/S	13 mm	0,40 mm	2 x 100 cm	20 set
MN4013D15A/S	13 mm	0,40 mm	2 x 150 cm	20 set
MN4013D15B/S	13 mm	0,40 mm	2 x 150 cm	20 set
MN4013D25A/S	13 mm	0,40 mm	2 x 250 cm	20 set
MN4013D25B/S	13 mm	0,40 mm	2 x 250 cm	20 set
MN4018D10A/S	18 mm	0,40 mm	2 x 100 cm	20 set
MN4018D15A/S	18 mm	0,40 mm	2 x 150 cm	20 set
MN4018D25A/S	18 mm	0,40 mm	2 x 250 cm	20 set

Item available in ten different color sets (Ref. code):

A horizontal color calibration bar consisting of two sets of seven circular patches each. The left set, labeled 'A/S' in orange, contains patches with colors black, red, green, yellow, blue, cyan, and magenta. The right set, labeled 'B/S' in blue, contains patches with colors brown, grey, pink, purple, light blue, dark grey, and light cyan.

TT03MN4013D/10	13 mm	0,40 mm	3 x 100 cm	20 set
TT05MN4013D/10	13 mm	0,40 mm	5 x 100 cm	20 set
TT10MN4013D/10	13 mm	0,40 mm	10 x 100 cm	20 set
TT03MN4013D/15	13 mm	0,40 mm	3 x 150 cm	20 set
TT05MN4013D/15	13 mm	0,40 mm	5 x 150 cm	20 set
TT10MN4013D/15	13 mm	0,40 mm	10 x 150 cm	20 set
TT03MN4013D/25	13 mm	0,40 mm	3 x 250 cm	20 set
TT05MN4013D/25	13 mm	0,40 mm	5 x 250 cm	20 set
TT10MN4013D/25	13 mm	0,40 mm	10 x 250 cm	20 set
TT03MN4018D/10	18 mm	0,40 mm	3 x 100 cm	20 set
TT05MN4018D/10	18 mm	0,40 mm	5 x 100 cm	20 set
TT10MN4018D/10	18 mm	0,40 mm	10 x 100 cm	20 set
TT03MN4018D/15	18 mm	0,40 mm	3 x 150 cm	20 set
TT05MN4018D/15	18 mm	0,40 mm	5 x 150 cm	20 set
TT10MN4018D/15	18 mm	0,40 mm	10 x 150 cm	20 set
TT03MN4018D/25	18 mm	0,40 mm	3 x 250 cm	20 set
TT05MN4018D/25	18 mm	0,40 mm	5 x 250 cm	20 set
TT10MN4018D/25	18 mm	0,40 mm	10 x 250 cm	20 set

Touch Proof Ø 1,5 mm DIN 42802

MRI (Magnetic Resonance Imaging) compatible version available on request

3 cables set

5 cables set

10 cables set



Spes Medica provides a wide range of Polysomnography transducers, characterized by excellent signal precision and maximum long-lasting quality over time.

- Disposable Sensors
- Reusable Sensors
- Airflow Cannulas



## PSG / Sensors

### Reusable Airflow Thermal Sensor

- Overmoulded in soft plastic probes for oronasal breathing recording.
- Made of flexible materials developed to ensure optimized patient comfort.

Code	Model	Size	Pack
AIRFA00300	Airflow 3 ways	Adult	1 pc
AIRFP00300	Airflow 3 ways	Pediatric	1 pc
AIRFN00300	Airflow 3 ways	Neonatal	1 pc

Touch Proof Ø 1,5 mm DIN 42802  
Cable Length 200 cm

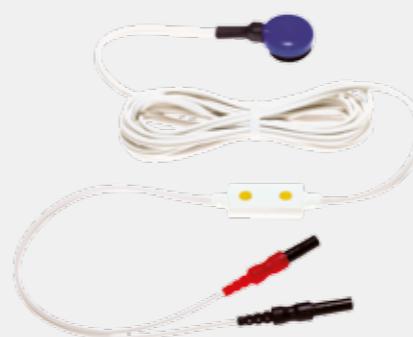
Available in 1 way, 2 ways or divided ways



### Disposable Airflow Thermal Sensor

Code	Model	Size	Pack
AIRFA0030D	Airflow 3 ways	Adult	3 pcs

Touch Proof Ø 1,5 mm DIN 42802  
Cable Length 200 cm

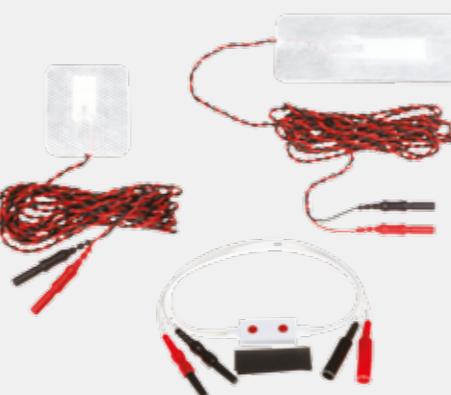


### Reusable Respiratory Effort Sensor

- Band is made with elastic and comfortable materials for increased patient comfort.
- Piezoelectric sensor.

Code	Model	Size	Pack
RESPA00000	Abdomen/Chest	Adult	1 pc
RESPP00000	Abdomen/Chest	Pediatric	1 pc

Touch Proof Ø 1,5 mm DIN 42802  
Cable Length 200 cm



### Disposable Respiratory Effort Sensor

- No need chest belt.
- Comfortable for children.

Code	Model	Size	Pack
RESPA000200	Abdomen/Chest	Adult	5 pcs
RESPP000200	Abdomen/Chest	Pediatric	5 pcs

Touch Proof Ø 1,5 mm DIN 42802  
Cable Length 200 cm

Code	Description	Cable Length	Pack
BMDSO0260R	Connection Cable for Disposable Respiratory Effort Sensor	60 cm	1 pc

## Sensors / PSG

### Tremor Sensor

- Suitable for tremor analysis.
- The device is reusable.

Code	Recorded Signal	Cable Length	Pack
TREM000000	Tremor	200 cm	1 pc

Touch Proof Ø 1,5 mm DIN 42802

### Limb Movement Sensor

- Excellent patient comfort and long-lasting product over time.
- The device is reusable.

Code	Recorded Signal	Cable Length	Pack
LIMB000000	Limb movement	200 cm	1 pc

Touch Proof Ø 1,5 mm DIN 42802

### Reusable Snoring Sensor

- Converts snoring noises into an analogue signal.
- Ensures high quality recording in noisy environments.

Code	Recorded Signal	Cable Length	Pack
SNOR000000	Snoring	200 cm	1 pc

Touch Proof Ø 1,5 mm DIN 42802

### Disposable Snoring Sensor

Code	Recorded Signal	Cable Length	Pack
SNOR000200	Snoring	200 cm	5 pcs

Touch Proof Ø 1,5 mm DIN 42802

Code	Description	Cable Length	Pack
BMDSO0260S	Connection Cable for Snoring Sensor	60 cm	1 pc

## PSG / Bands, Sensor and Airflow Cannulas

### Inductive Band

- Made with comfortable materials and equipped with an adjustable buckle for increased patient comfort.
- Easily washable.
- The device is reusable.

Code	Model	Connectors	Pack
9010	Inductive Band	Snap	1 pc
9101	Connection Cable	Ø 1,5 mm	1 pc



### Position Sensor

- The "Position Sensor" kit is suitable for PSG recordings in the following positions: prone, supine, left side, right side, standing and sitting.
- Includes an adjustable elastic band.

Code	Sensor	Pack
1561	Position Sensor AC	1 pc
1561-kit	Position Sensor AC	1 pc
1564V2	Position Sensor DC	1 pc
1561V2-kit	Position Sensor DC	1 pc

Touch Proof Ø 1,5 mm DIN 42802  
Cable Length 200 cm

### Thermocan

- Thermocan is designed with integrated thermistor that allows a high quality recording of thermal flow and pressure monitoring.
- The device is disposable and complies with current AASM standards for nasal and oro/nasal thermal flow monitoring.

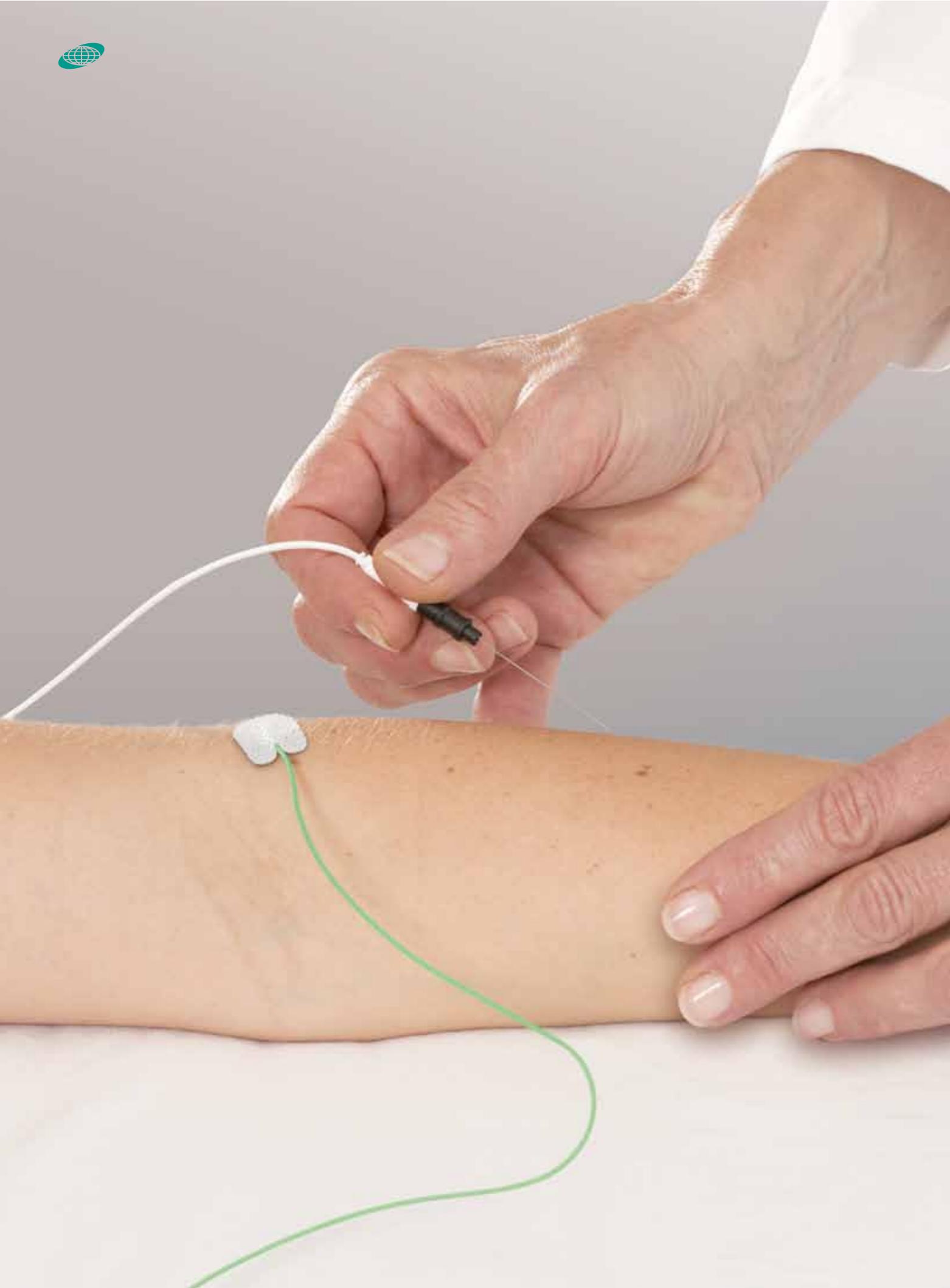
Code	Size	Cable Length	Pack
15807	Adult	210 cm	5 pcs
15807-2	Adult	60 cm	5 pcs

Code	Description	Cable Length	Pack
1475	Connection Cable	200 cm	1 pc

### Nasal Cannula

Code	Size	Cable Length	Pack
15805	Adult	214 cm	5 pcs
15805-2-FT	Pediatric	76 cm	5 pcs
15805	Adult	214 cm	5 pcs
15805-2	Pediatric	76 cm	5 pcs
15805-FT	Adult	214 cm	5 pcs





Spes Medica is passionately focused on the study and the creation of a wide range of electrodes for EMG, NCS and PE. Thanks to our vast experience, we were able to develop excellent production techniques.

- Electrodes for Stimulation and Registration
  - Monopolar Needles
  - Single fiber Needles
  - Concentric Needles
  - Pudendal Electrodes
  - Adhesive Electrodes
  - Hook Wire Electrodes



## EMG / Needle Electrodes

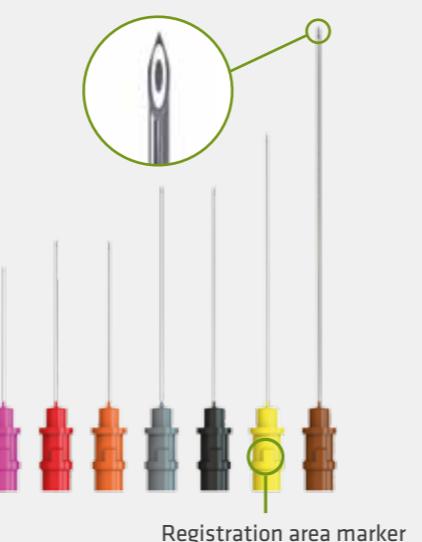
## Needle electrodes / EMG

+ Upgrade

### MYOLINE - Concentric Needle Electrode

- Our new robotic sharpening provides excellent penetration of the needle and less trauma for the patient.
- Golden connector for best recording.
- 100% quality control on manufactured needles.
- Ergonomic handle with area indicator marker.

Code	Length	Diameter	Color	Rec area mm <sup>2</sup>	Pack
D0390302511	25 mm	0,30 mm	●	0,02	25 pcs
D039035302	30 mm	0,35 mm	●	0,07	25 pcs
D0390453010	30 mm	0,45 mm	●	0,07	25 pcs
D039035408	40 mm	0,35 mm	●	0,07	25 pcs
D039045401	40 mm	0,45 mm	●	0,07	25 pcs
D039045504	50 mm	0,45 mm	●	0,07	25 pcs
D039060706	75 mm	0,60 mm	●	0,07	25 pcs



### Autoclavable Concentric Needle Electrode

- Sterilizable in autoclave up to 20 cycles.

Code	Length	Diameter	Color	Rec area mm <sup>2</sup>	Pack
R039035302	30 mm	0,35 mm	●	0,07	10 pcs
R039045401	40 mm	0,45 mm	●	0,07	10 pcs
R039045504	50 mm	0,45 mm	●	0,07	10 pcs
R039060706	75 mm	0,60 mm	●	0,07	10 pcs

### Single Fiber Needle Electrode

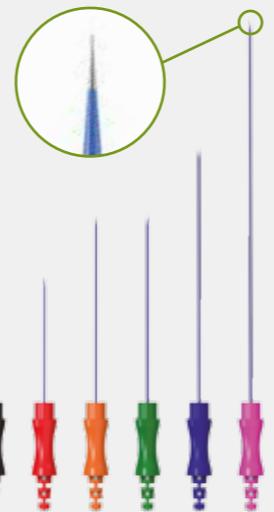
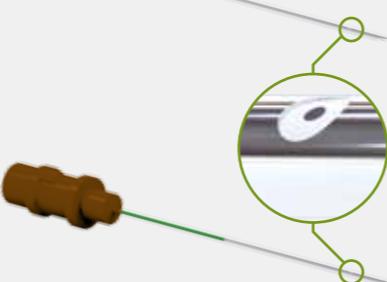
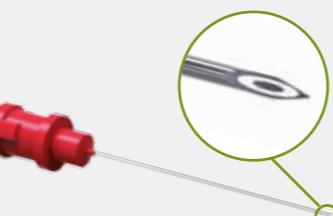
- Recording area on a small side opposite to the cutting edge and close from the tip.
- The Macro version is made with the insulated cannula.

Code	Length	Diameter	Model	Rec area mm <sup>2</sup>	Pack
DSFN380452507	25 mm	0,45 mm	Single Fiber	0,0011	5 pcs
DSFN380453707	37 mm	0,45 mm	Single Fiber	0,0011	5 pcs
DSFN380453705	37 mm	0,45 mm	Macro	0,0011	5 pcs

### Connection Cable

- Connection cables for bipolar needles (Concentric, Single Fiber and Macro).
- Made with extra flexible material and with moulded connection.
- Different lengths and connectors are available on request for any EMG equipment.

Code	Cable Length	Connectors	Pack
10000NNHF3	100 cm	● 5 pole din	1 pc
100200NNHF3	200 cm	● 5 pole din	1 pc



### Monopolar Needle Electrode

- Isolation and sharpening ensure excellent recording and maximum smoothness.
- Ergonomic moulded handgrip.

Code	Length	Diameter	Color	Rec area mm <sup>2</sup>	Pack
TFDN261500	15 mm	0,35 mm	●	0,28	25 pcs
TFDN262500	25 mm	0,35 mm	●	0,28	25 pcs
TFDN263700	37 mm	0,35 mm	●	0,28	25 pcs
TFDN263745	37 mm	0,45 mm	●	0,34	25 pcs
TFDN265045	50 mm	0,45 mm	●	0,34	25 pcs
TFDN267545	75 mm	0,45 mm	●	0,34	25 pcs

Touch Proof Ø 1,5 mm DIN 42802

Cable Length 76 cm



### MIOBOT - Hypodermic Needle Electrode for Injection

- Moulded handgrip with connector for syringe insertion and cable for connection to the device.
- Can be used with traditional hypodermic needle syringes with Luer-Lock attachment ensuring a safe connection of the needle to the syringe.
- Isolated cannula except for the tip.

Code	Length	Diameter	Color	Pack
MIOBOT2530	25 mm	0,30 mm	●	10 pcs
MIOBOT2540	25 mm	0,45 mm	●	10 pcs
MIOBOT3745	37 mm	0,45 mm	●	10 pcs
MIOBOT5050	50 mm	0,45 mm	●	10 pcs
MIOBOT7570	75 mm	0,70 mm	●	10 pcs

Touch Proof Ø 1,5 mm DIN 42802

Cable Length 76 cm

### Extensions for EMG Needles

- Different lengths and connectors are available on request and suitable for any EMG equipment.

Code	Cable Length	Pack
MNC10DDIN6	100 cm	1 pc
MNC20DDIN6	200 cm	1 pc
MNC10DDINSH	100 cm Shielded	1 pc
MNC20DDINSH	100 cm Shielded	1 pc

Touch Proof Ø 1,5 mm DIN 42802



## EMG / Adhesive Electrodes

### Adhesive Electrodes

- Hydrogel guarantees excellent adhesion and repositioning even at different times.
- High quality recordings due to low impedance.
- Indicated for long-term testing.
- Hydrogel consists of biocompatible materials that has been tested on the most delicate skin types.
- Available in different shapes and sizes to allow ideal recordings even on smaller muscles.

Code	Size	Connectors	Cable Length	Box
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DENIS01526	15x20 mm	Ø 1,5 mm	15 cm	20 pack/120 pcs
DENIS10026	15x20 mm	Ø 1,5 mm	100 cm	20 pack/120 pcs
DENIS15026	15x20 mm	Ø 1,5 mm	150 cm	20 pack/120 pcs
DENIS25026	15x20 mm	Ø 1,5 mm	250 cm	20 pack/120 pcs
DENIS00807	15x20 mm	0,7 mm Touch Proof Pin	8 cm	20 pack/240 pcs
DENIS00830	15x20 mm	1 mm Pin	8 cm	20 pack/240 pcs
DENIS01520	15x20 mm	Snap	/	20 pack/400 pcs
DENIS01500	15x20 mm	Bipolar	15 cm	20 pack/120 pcs

Code	Size	Connectors	Cable Length	Box
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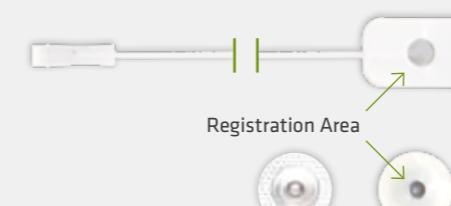
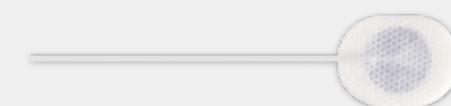
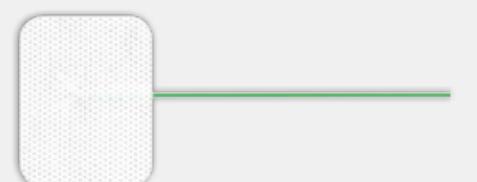
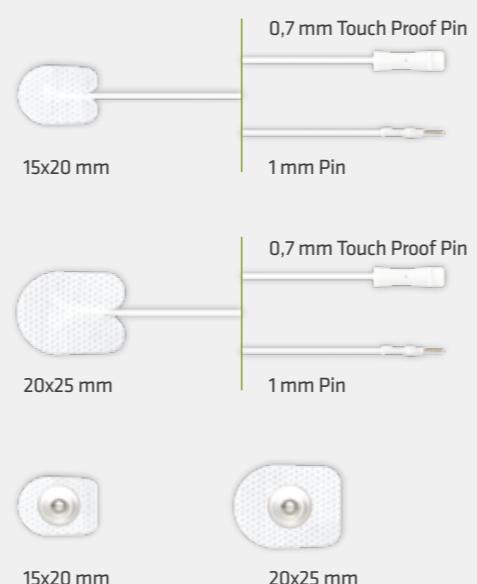
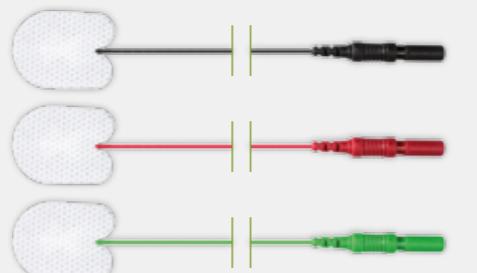
DENIL01526	20x25 mm	Ø 1,5 mm	15 cm	20 pack/120 pcs
DENIL10026	20x25 mm	Ø 1,5 mm	100 cm	20 pack/120 pcs
DENIL15026	20x25 mm	Ø 1,5 mm	150 cm	20 pack/120 pcs
DENIL25026	20x25 mm	Ø 1,5 mm	250 cm	20 pack/120 pcs
DENIL00807	20x25 mm	0,7 mm Touch Proof Pin	8 cm	20 pack/240 pcs
DENIL00830	20x25 mm	1 mm Pin	8 cm	20 pack/240 pcs
DENIS02025	20x25 mm	Snap	/	20 pack/400 pcs
DENIL01500	20x25 mm	Bipolar	15 cm	20 pack/120 pcs

### Snap Adhesive Electrodes

Code	Size	Connectors	Box
CDES000024	Ø 24 mm	Snap	20 pack / 500 pcs
CDES003545	35x45 mm	Snap	20 pack / 80 pcs

### Ground Adhesive Electrodes

Code	Size	Connectors	Cable Length	Box/Pz
DENIG15026	35x45 mm	Ø 1,5 mm	150 cm	20 pack / 80 pcs



## Adhesive Electrodes / EMG

### NCS Adhesive Electrodes

High quality sensor for excellent recordings and high resistance to usage.

Code	Size	Connectors	Cable Length	Box
DENIB00807	30x22 mm	0,7mm Touch Proof Pin	8 cm	20 pack / 120 pcs
DENIB10026	30x22 mm	Ø 1,5 mm	100 cm	20 pack / 120 pcs
DENIB15026	30x22 mm	Ø 1,5 mm	150 cm	20 pack / 120 pcs
DENIB25026	30x22 mm	Ø 1,5 mm	250 cm	20 pack / 120 pcs

+  
New

### Adhesive Electrodes for Sleep or Long Term Monitoring

- Material used is suitable for PSG and highly durable.
- Small size for pediatric and facial use.
- Excellent recording performance due to gel application.

Code	Size	Connectors	Cable Length	Box
DENIF10026	30x22 mm	Ø 1,5 mm	100 cm	20 pack / 120 pcs
DENIF15026	30x22 mm	Ø 1,5 mm	150 cm	20 pack / 120 pcs
DENIF25026	30x22 mm	Ø 1,5 mm	250 cm	20 pack / 120 pcs

+  
New

### Tab Adhesive Electrodes

Code	Size	Connectors	Box
TABSMPO00025	14x34 mm	Tab	25 pack/2500 pcs
TABSMO000025	22x34 mm	Tab	25 pack/2500 pcs

### Adhesive Electrodes with Reduced Recording Area

Code	Ø Recording Area	Connectors	Cable Length	Box
DENID00807	6 mm	0,7 mm Touch Proof Pin	8 cm	50 pcs
DAEDS1604	4 mm	Snap	/	25 pcs



## EMG / Pudendal Electrode

### Pudendal Electrode

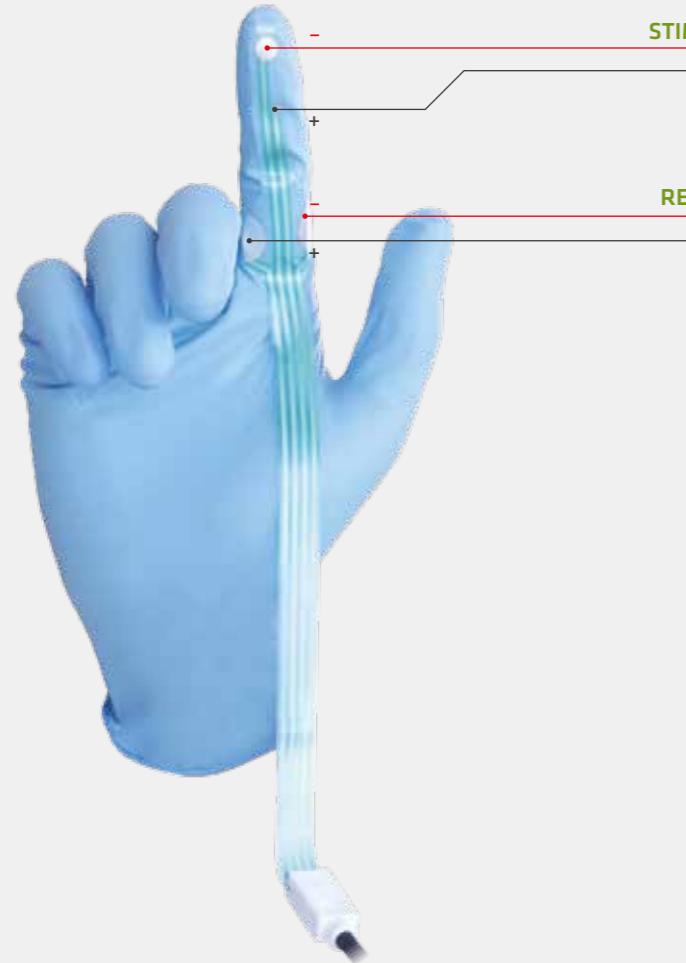
- Suitable for recording and pelvic floor stimulation.
- Made with biocompatible and elastic materials.

Code	Support	Pack
PUD0001	Flexible	10 pcs
PUDP001	Extra-Flexible	10 pcs



### Connection Cable for Pudendal Electrode

Code	Cable Length	Connectors EMG	Connectors STIM	Pack
2001PUD7171SH	200 cm	5 pole din	5 pole din	1 pc
2001PUD7126SH	200 cm	5 pole din	Ø 1,5 mm	1 pc



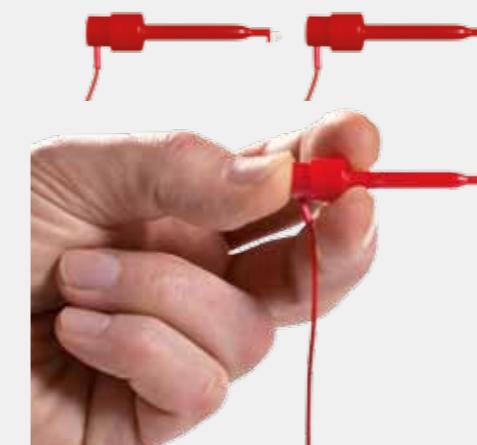
## Hook Wire Electrode / EMG

### Hook Wire Electrodes

- The wire used as a recording part is characterized by a small diameter which guarantees a high level of patient comfort.
- The end of the wire is hooked to allow high electrode stability during recording.



Code	Needle Length	Needle Diameter	Wires N°	Connection	Pack
DIMW1105030101A	30 mm	0,50 mm	1	Straight on the wire	10 pcs
DIMW1105050101A	50 mm	0,50 mm	1	Straight on the wire	10 pcs
DIMW1105030102A	30 mm	0,50 mm	2	Straight on the wire	10 pcs
DIMW1105050102A	50 mm	0,50 mm	2	Straight on the wire	10 pcs
DIMW11050301P1A	30 mm	0,50 mm	1	1 mm Pin	10 pcs
DIMW11050501P1A	50 mm	0,50 mm	1	1 mm Pin	10 pcs
DIMW11050301P2A	30 mm	0,50 mm	2	1 mm Pin	10 pcs
DIMW11050501P2A	50 mm	0,50 mm	2	1 mm Pin	10 pcs



### Connection Cable for Hook Wire Electrode

- Different lengths and connectors are available on request.

Code	Headbox Side	Electrode Side	Pack
BEC1026C1M6	Ø 1,5 mm	1x Micro Clip	1 pc
1002C1M71F	5 pole din	2x Micro Clip	1 pc
1002C1M26F	Ø 1,5 mm	2x Micro Clip	1 pc
MNC10PDIN6	Ø 1,5 mm	1x 1 mm Pin	1 pc
1002P1N71F	5 pole din	2x 1 mm Pin	1 pc
1002P1N26F	Ø 1,5 mm	2x 1 mm Pin	1 pc

Cable Length 100 cm



## EMG / Nerve Conduction Studies

### Bipolar Stimulating Electrode

- Golden felt spots for better electrical conduction.
- Shielded multipolar cable ensuring the best electrical insulation.
- Velcro strap, pair of metal electrodes and 10 spare pads are included in the package.

Code	Electrode Distance	Connectors	Cable Length	Pack
STIL1526	25 mm	Ø 1,5 mm	150 cm	1 pc
STIL1571	25 mm	5 pole din	150 cm	1 pc
STIS1526	10 mm	Ø 1,5 mm	150 cm	1 pc
STIS1571	10 mm	5 pole din	150 cm	1 pc

### Accessories

Code	Description	Pack
FELT0620	Replacement felts for stimulation electrode (cod. STIL)	50 pcs
FELT0320	Replacement felts for stimulation electrode (cod. STIS)	50 pcs
SFERSTIL	Replacement steel ball tips for stimulation electrode (cod. STIL)	2 pcs
SFERSTIS	Replacement steel ball tips for stimulation electrode (cod. STIS)	2 pcs
Code	Description	Pack
VELCROBLU30/3	Velcro fixing band (cod. STIL)	30 cm
VELCROBLU55/3	Velcro fixing band (cod. STIL)	55 cm
VELCROBLU100/3	Velcro fixing band (cod. STIL)	100 cm
VELCROBLUS30/3	Velcro fixing band (cod. STIS)	30 cm

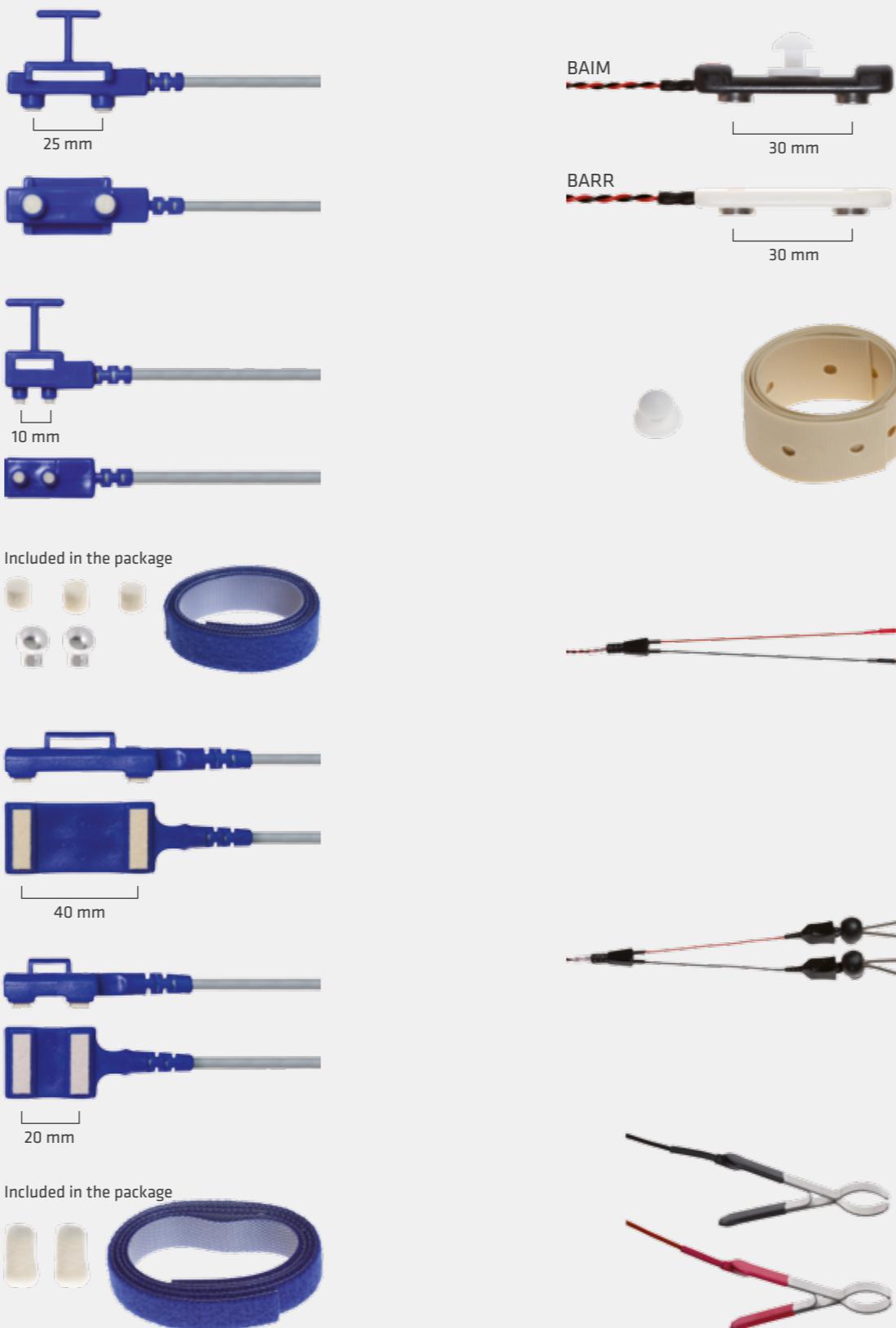
### Surface Recording Bar Electrode

- Ag/AgCl electrodes placed inside an insulated shell felt placement.
- Shielded multipolar cable for best electrical insulation.
- Ergonomic and long-lasting handgrip.
- Velcro strap and 10 spare replacement felts included.

Code	Electrode Distance	Connectors	Cable Length	Pack
STRCG01526	40 mm	Ø 1,5 mm	150 cm	1 pc
STRCG01571	40 mm	5 pole din	150 cm	1 pc
STRCP01526	20 mm	Ø 1,5 mm	150 cm	1 pc
STRCP01571	20 mm	5 pole din	150 cm	1 pc

### Accessories

Code	Description	Pack
FELT0720	Felts for recording bar electrode	50 pcs
SFERSTRC	Steel electrodes for recording bar electrode	2 pcs
Code	Description	Pack
VELCROBLU30/3	Velcro fixing band	30 cm
VELCROBLU55/3	Velcro fixing band	55 cm
VELCROBLU100/3	Velcro fixing band	100 cm



## Nerve Conduction Studies / EMG

### Surface Bipolar Bar Stimulation Electrode

- Pair of 10 mm diameter stainless steel electrodes for gel insertion that also facilitates its use in repeated stimulation.
- With the BAIM model you can fasten an elastic band on the back of the stimulating bar.

Code	Electrode Distance	Connectors	Cable Length	Pack
BAIM0026	30 mm	Ø 1,5 mm	100 cm	1 pc
BAIM0071SH	30 mm	5 pole din	100 cm Shielded	1 pc
BARR0026	30 mm	Ø 1,5 mm	100 cm	1 pc
BARR0071SH	30 mm	5 pole din	100 cm Shielded	1 pc

Code	Description	Pack
RUB00025	Fastening rubber band for BAIM	1 pc

### Disc Electrodes

- Pair of 10 mm diameter golden disc electrodes for stimulation and recording.
- Available in different cable lengths, connectors and configurations.

Code	Diameter	Material	Connectors	Cable Length	Pack
SRDISCO126T	10 mm	Au	Ø 1,5 mm	100 cm	1 pc
SRDISCO171SHF	10 mm	Au	5 pole din	100 cm Shielded	1 pc

### Digital Ring Electrodes

- Pair of ring electrodes for recording and stimulation.
- Spring electrode made of medical stainless steel.
- Available in pediatric version.

Code	Material	Connectors	Cable Length	Pack
SRRING0126T	Steel	Ø 1,5 mm	100 cm	1 pc
SRRING0171SHF	Steel	5 pole din	100 cm Shielded	1 pc
SRRINGS126T	Thin steel	Ø 1,5 mm	100 cm	1 pc
SRRINGS171SHF	Thin steel	5 pole din	100 cm Shielded	1 pc

### Digital Clip Electrodes

- Digital clip electrode for a quick location application.

Code	Electrode Material	Connectors	Cable Length	Pack
SRRING0126T	Steel	Ø 1,5 mm	100 cm	1 pc

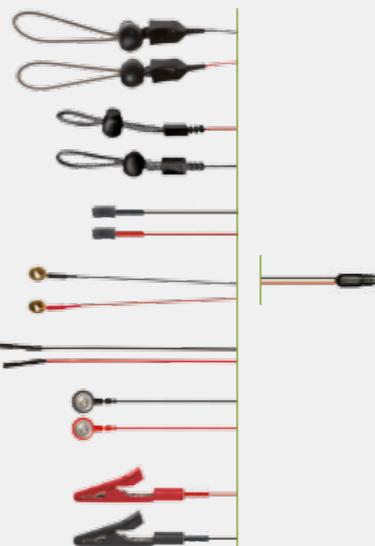


## EMG / Nerve Conduction Studies

### STIM/REC Electrode System

- Stimulating and recording electrodes system for greater accuracy in signal recording by also using different accessories, if needed.
- Save your electromyograph headbox avoiding continuous connection and disconnection of the electrodes.

Code	Description	Pack
SRRING0000	Steel spring ring electrodes	1 pc
SRRINGS000	Thin steel spring ring electrodes	1 pc
SRFLATS000	AgAgCl Flat Electrodes, Ø 8 mm	1 pc
SRDISC0000	Au Disc Electrodes, Ø 10mm	1 pc
SRSOC0000	1 mm connectors	1 pc
SRSTUD0000	Snap connectors	1 pc
SRCLIP0000	Crocodile connectors	1 pc
Cable Length 15 cm		



### Connection Cable for STIM/REC Electrodes System

Code	Connectors	Cable Length	Pack
10000NNHF3	5 pole din	100 cm	1 pc
102SCNNHFR	Ø 1,5 mm	100 cm	1 pc



### Ground Band Electrodes

- High quality recording.
- Elastic material which guarantees excellent patient comfort.
- 1 meter connection cable included in the pack.

Code	Electrode Material	Length Fascia	Pack
GDRG002526	Elastic Steel	28 cm	1 pc
GDRG004026	Elastic Steel	38 cm	1 pc
GDRG007026	Elastic Steel	60 cm	1 pc



### Ground Flat Electrodes

- Electrodes can be placed anywhere on the body offering operators great flexibility.

Code	Electrode Diameter	Connectors	Cable	Pack
PLGD125263	30 mm	Ø 1,5 mm	125 cm	1 pc



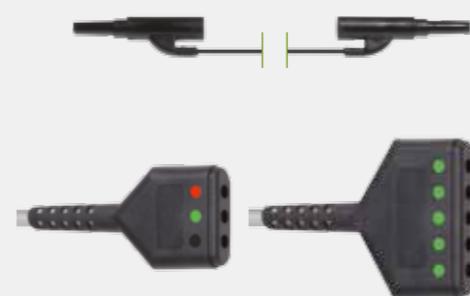
## Nerve Conduction Studies / EMG

### Adapters and Accessories

Ref.	Description	Pack
EEGPENCILB	Dermographic pencil ●	1 pc
EEGPENCILR	Dermographic pencil ●	1 pc



JUMP262611	Touch Proof Ø 1,5 mm connector bridge	1 pc
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PK63F-01326	Connection block for 3 connectors Touch Proof Ø 1,5 mm	1 pc
PK65F-01326	Connection block for 5 connectors Touch Proof Ø 1,5 mm	1 pc



ADDIN2F01	Touch Proof Ø 1,5 mm Adapter / 2 mm connector ●	10 pcs
ADDIN2F02	Touch Proof Ø 1,5 mm Adapter / 2 mm connector ●	10 pcs



ADPO2DIN1	Touch Proof Ø 1,5 mm male adapter/ 2 mm pin ●	10 pcs
ADPO2DIN2	Touch Proof Ø 1,5 mm male adapter/ 2 mm pin ●	10 pcs
ADPM2DIN	Touch Proof Ø 1,5 mm male adapter / 2 mm spring pin ●	10 pcs



CROC04F1	Crocodile adapter / 4 mm connector ●	10 pcs
CROC04F2	Crocodile adapter / 4 mm connector ●	10 pcs



CROC01IS	Crocodile adapter / 2 mm connector ●	10 pcs
CROC02IS	Crocodile adapter / 2 mm connector ●	10 pcs



ADPT2F01	Snap adapter / 2 mm connector ●	5 pcs
ADPT2F02	Snap adapter / 2 mm connector ●	5 pcs



Spes Medica combined its matured experience in producing ECG electrodes with new and innovative technologies that allowed the development of our defibrillation plates.

- Disposable Electrodes
- Reusable Electrodes
  - Defibrillation Pads
  - Connection Cables



## ECG / Reusable Electrodes

### Clamp Electrodes

- High recording performance.
- Excellent long-lasting product over time.
- Universal connector for Snap button, 2 and 4 mm plug connectors.

Code	Size	Electrode Material	Pack
CLAG000M	Adult	AgAgCl	4 pcs
CLAGP00M	Pediatric	AgAgCl	4 pcs

Nickel version is available on request.

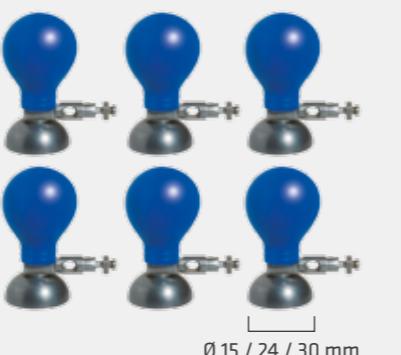


### Suction Chest Electrode

- Excellent adhesion to the patients skin.
- High recording performance.
- Universal connector for Snap button, 2 and 4 mm plug connectors.

Code	Electrode Diameter	Electrode Material	Pack
SUAG0015/6	15 mm	AgAgCl	6 pcs
SUAG0024/6	24 mm	AgAgCl	6 pcs
SUAG0030/6	30 mm	AgAgCl	6 pcs

Nickel version is available on request.



### Gold Electrodes

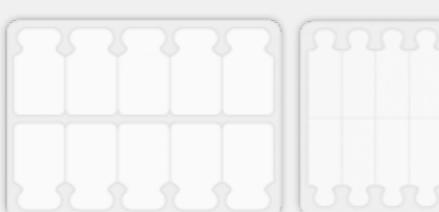
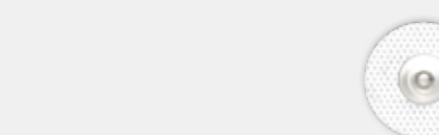
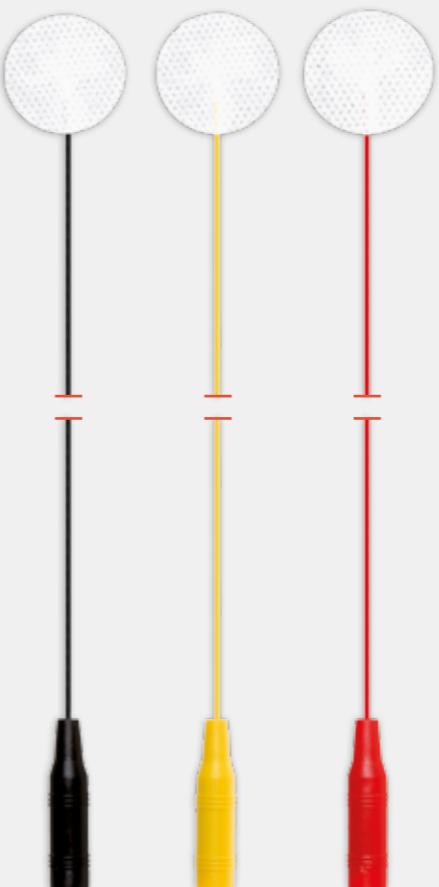
- Golden recording surface to ensure high recording quality.
- Moulded cable-electrode connection to ensure excellent duration of the product over time.

Code	Electrode Diameter	Connectors	Pack
2180BSAU/6	12 mm	4 mm pin	6 pcs
2181BSAU/6	24 mm	4 mm pin	6 pcs

### Hellige

- Conductive gel for ECG exams.
- Suitable for use with defibrillation pads.

Code	Description	Package	Pack
21708306	Conductive gel	Bottle 250 gr	4 pcs



## Disposable Electrodes / ECG

### Adhesive Electrodes

- Excellent recording performance of the ECG signal.
- Hydrogel ensures excellent and constant adhesion to the patients skin.
- The electrode can be repositioned many times without reducing its adhesion.
- Hydrogel is very gentle so it can be applied on every type of skin, even the most sensitive ones.

Code	Electrode Diameter	Cable Length	Connectors	Box
CDE02410F4	24 mm	10 cm	4 mm pin	3 pcs per pack 120 pcs per box
CDE03010F4	20 mm	10 cm	4 mm pin	3 pcs per pack 120 pcs per box
CDE02435F4	24 mm	35 cm	4 mm pin	3 pcs per pack 120 pcs per box
CDE03035F4	20 mm	35 cm	4 mm pin	3 pcs per pack 120 pcs per box
CDE0246026	24 mm	60 cm	— Ø 1,5 mm	3 pcs per pack 120 pcs per box
CDE02460F4	24 mm	60 cm	4 mm pin	3 pcs per pack 120 pcs per box
CDE0249026	24 mm	90 cm	— Ø 1,5 mm	3 pcs per pack 120 pcs per box
CDE0306026	20 mm	60 cm	— Ø 1,5 mm	3 pcs per pack 120 pcs per box
CDE03060F4	20 mm	60 cm	4 mm pin	3 pcs per pack 120 pcs per box
CDE0309026	20 mm	90 cm	— Ø 1,5 mm	3 pcs per pack 120 pcs per box
CDER246026	24 mm	60 cm	— Ø 1,5 mm	3 pcs per pack 120 pcs per box
CDER249026	24 mm	90 cm	— Ø 1,5 mm	3 pcs per pack 120 pcs per box
CDER2460F4	24 mm	60 cm	4 mm pin	3 pcs per pack 120 pcs per box
CDES000024	24 mm	/	Snap	25 pcs per pack 500 pcs per box

Code	Size	Connectors	Box
TABSMPO00025	14x34 mm	Tab	100 pcs per pack 2500 pcs per box
TABSM000025	22x34 mm	Tab	100 pcs per pack 2500 pcs per box



## ECG / Cables and Adapters

### Cables and Adapters

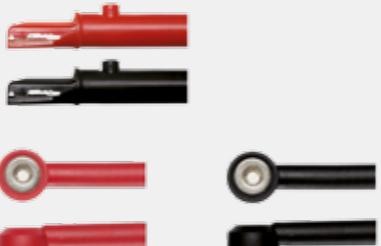
· Connection cable with snap connector

Code	Cable Length	Connectors	Pack
LEAD626S30	60 cm	Ø 1,5 mm	3 pcs
LEAD626S50	60 cm	Ø 1,5 mm	5 pcs
LEAD626S70	60 cm	Ø 1,5 mm	7 pcs
LEAD626S80	60 cm	Ø 1,5 mm	8 pcs
LEAD062105	60 cm	2 mm pin	5 pcs
LEAD624FS0	60 cm	2 and 4 mm pin	10 pcs
LEAD1024FS0	100 cm	2 and 4 mm pin	10 pcs



### Adapters

Code	Description	Connectors	Pack
CROCO4F1	Crocodile adapter	● 4 mm pin	10 pcs
CROCO4F2	Crocodile adapter	● 4 mm pin	10 pcs
ADPT4FOSS	Adapter cable with snap clip	● 4 mm pin	10 pcs
ADPT4FOSS	Adapter cable with snap clip	○ 4 mm pin	10 pcs
ADPOFOM4	Adapter with snap connection	● Pin/Jack 4 mm	10 pcs



Code	Description	Cable Length	Connectors	Pack
ADPL24FOS	Adapter cable with snap clip	8 cm	Pin 2 e 4 mm	10 pcs



## Cables and Connections / ECG

### 10 Channels Patient Cables

Code	Brand	Compatibility	Pack
60.119.130	BTL	All models	1 pc
60.119.143	Cardioline	Delta 1/3/30/60 Delta 1/3/60 Plus Elan 1100	1 pc
60.119.11P	Cardioline	Delta 1/3/30/60 Delta 1/3/60 Plus Elan 1100 Plastic connectors	1 pc
60.119.161	Cardioline	ar600/600adv ar1200/1200adv ar2100adv	1 pc
60.119.134	Cardiette	Autoruler 12/1-12/3 Microruler 12/1-12/3 Microtel Doc 101 Excel 103/106	1 pc
60.119.129	Cardiette	Start 100P/H Start 200/200HV	1 pc
60.119.140	Esaote	Serie P80/P8000	1 pc
60.119.166	Esaote	Archimed 4220 Archiwin	1 pc
60.119.139	Mortara	Eli 100-200-2000 Landscape Portrait	1 pc
60.119.131	Mortara	Eli 250-210-150	1 pc
60.119.142	Schiller	AT1-AT2-AT4-AT5-AT6-AT10-AT60 CS6-CS12-CS100-CS200-CV6-P80	1 pc
60.119.171	Schiller	AT3	1 pc

Available with snap connectors and 4 mm plug connectors





## AED / Defibrillation Pads

New

### Defibrillation Pads

- The latest generation Hydrogel guarantees excellent adhesion and high electrical conductivity.
- Available in different configurations with different connectors and cable lengths.
- External connector allows for quick impedance checking.

Code	Connectors	Box
DPP001	Schiller	10 pairs
DPP005	Philips Laerdal Medical Agilent / Philips	10 pairs
DPP007	Zoll Medical Corp	10 pairs
DPP011	Medtronic-Physio Control / Osatu Bexen / Cardioline / Mindray	10 pairs
DPP015	Agilent™ Laerdal Medical / Hewlett-Packard	10 pairs
DPP027	CU Medical Systems, Inc	10 pairs
DPP031	CU Medical Systems, Inc / Cmos Drake Progetti	10 pairs
DPP052	Weinmann / Cardiaid	10 pairs
DPP064	Schiller	10 pairs



Schiller  
Philips Laerdal Medical Agilent - Philips



Zoll Medical Corp  
Medtronic-Physio Control  
Osatu Bexen  
Cardioline  
Mindray



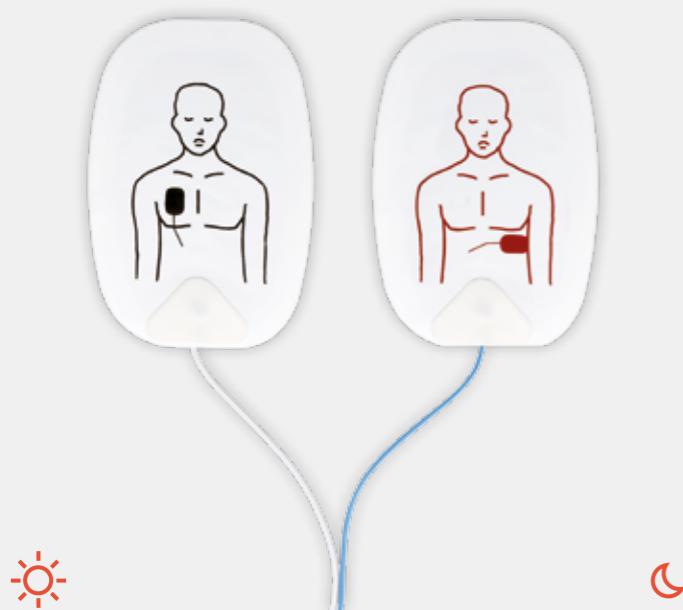
Agilent™ Laerdal Medical  
Hewlett-Packard  
CU Medical Systems, Inc



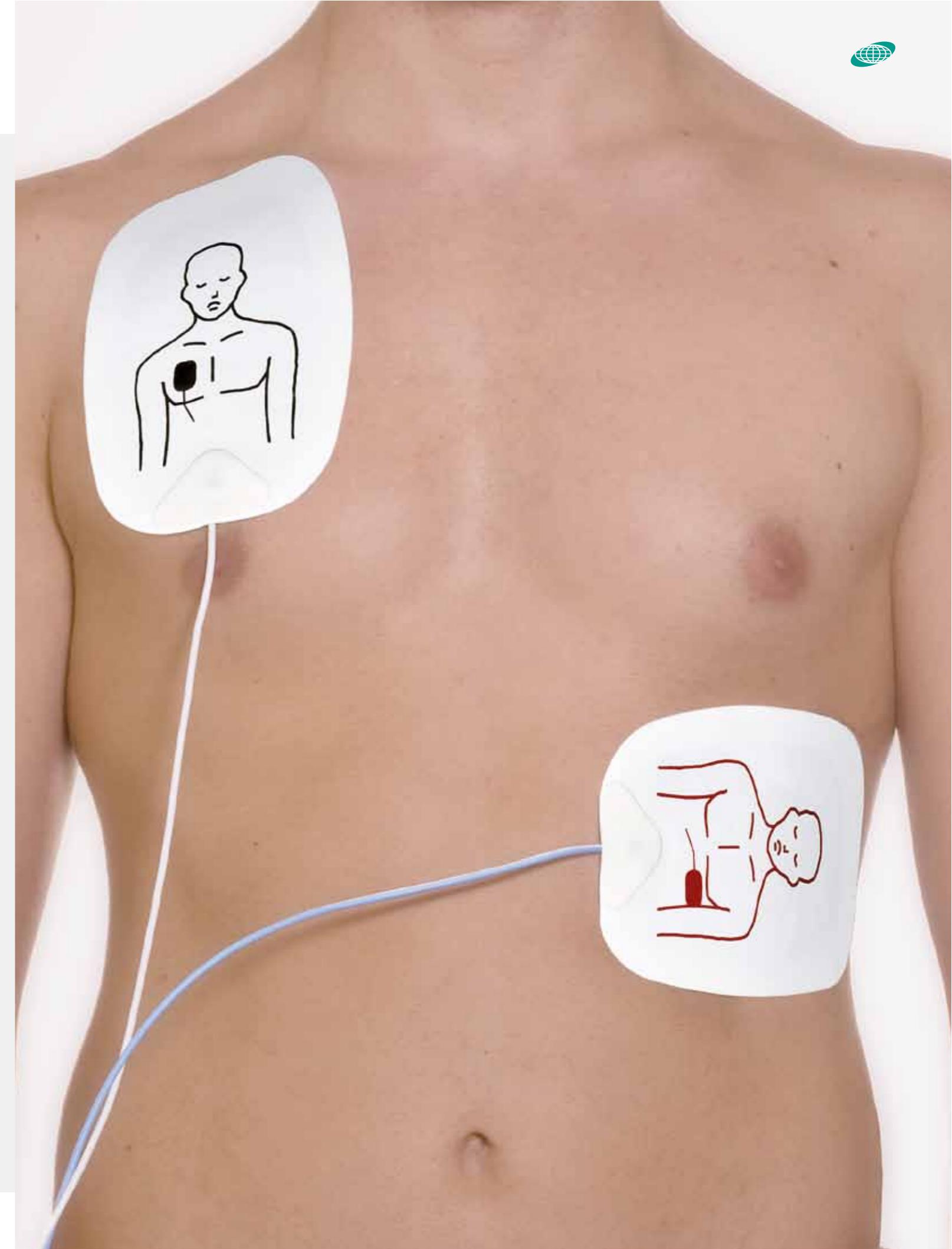
CU Medical Systems, Inc  
Cmos Drake Progetti  
Weinmann  
Cardiaid



Schiller



Phosphorescent graphics that can be visible in the dark.





Spes Medica is actively involved in the production of TENS, EMS, ECT and TDCS electrostimulation products to ensure optimal performance with all skin types and to ensure uniformity of electrical intensity on the whole electrode surface.

- Disposable Stimulation Electrodes
- Reusable Stimulation Electrodes
- Elastic Bands and Accessories

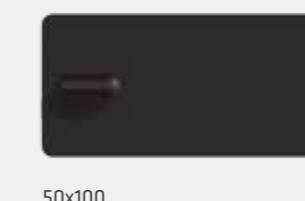
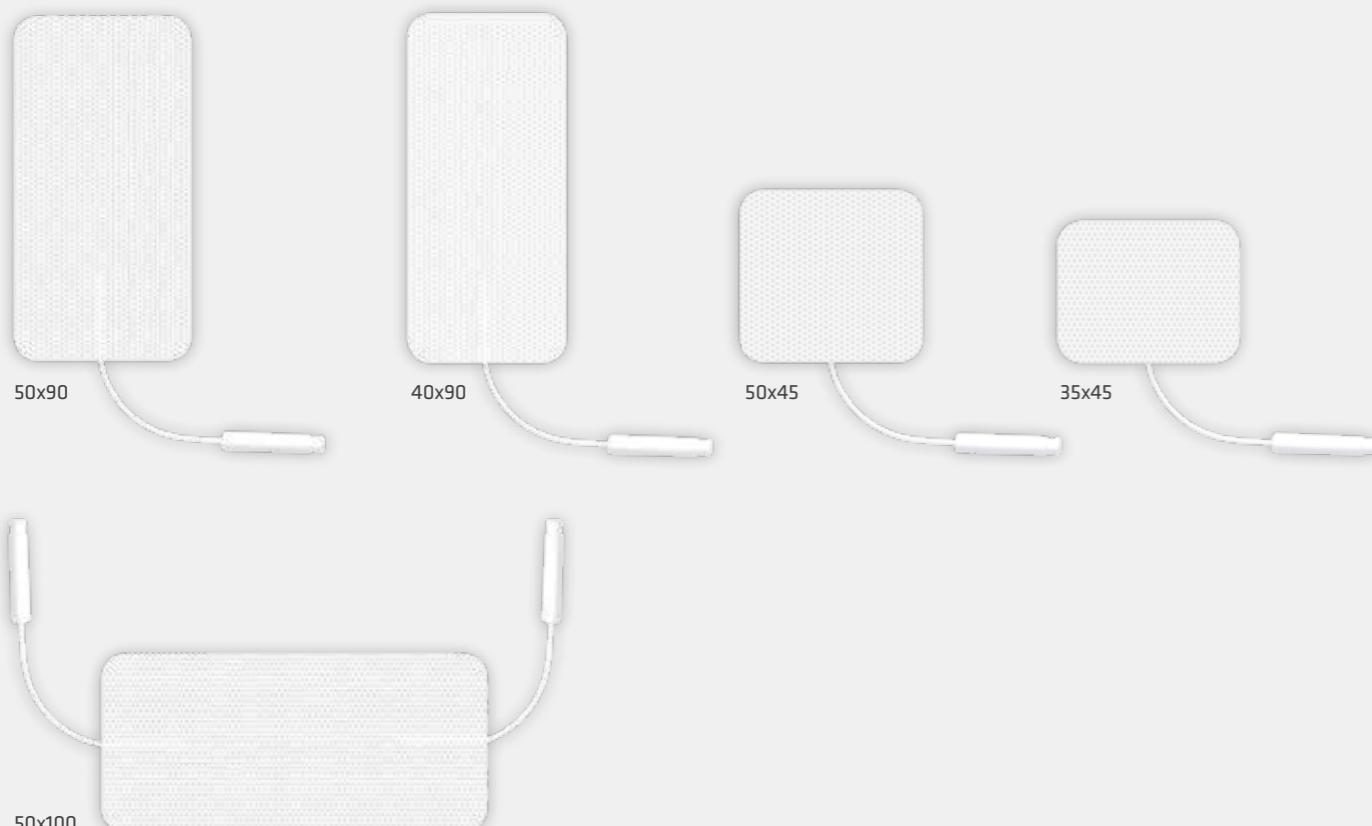


## TENS / Stimulation Electrodes

### Disposable Stimulation Electrodes

- Guarantees excellent electrostimulation performance.
- Hydrogel ensures excellent and constant adhesion to the patient's skin. This allows for uniform electrical intensity across the surface of the electrode. Hydrogel also allows repositioning of the electrode without reducing its adhesion.
- Hydrogel is very gentle so it can be applied on every type of skin, even the most sensitive ones.

Code	Size	Connectors	Pack
TEON1S3545	35x45 mm	Snap	4 pcs
TEON1S5045	50x45 mm	Snap	4 pcs
TEON1S4090	40x90 mm	Snap	4 pcs
TEON1S5090	50x90 mm	Snap	4 pcs
TEON1F3545	35x45 mm	2 mm Socket	4 pcs
TEON1F5045	50x45 mm	2 mm Socket	4 pcs
TEON1F4090	40x90 mm	2 mm Socket	4 pcs
TEON1S4090	50x90 mm	2 mm Socket	4 pcs
TEON2F50100	50x100 mm	2 x 2 mm Socket	4 pcs



## Stimulation Electrodes / TENS

### Reusable Electrodes

- Made of conductive silicone ensuring a uniform stimulating surface.
- Moulded cable-electrode connection to ensure high resistance during use.
- Available in different configurations with different connectors, including 2 mm and 4 mm universal sockets.

Code	Size	Connectors	Cable Length	Pack
4F00406S	40x60 mm	4 mm pin	16 cm	2 pcs
4F00806S	80x60 mm	4 mm pin	16 cm	2 pcs
4F00128S	120x80 mm	4 mm pin	16 cm	2 pcs
4F01511S	150x110 mm	4 mm pin	16 cm	2 pcs
4M00406S	40x60 mm	4 mm connector	16 cm	2 pcs
4M00806S	80x60 mm	4 mm connector	16 cm	2 pcs
4M00128S	120x80 mm	4 mm connector	16 cm	2 pcs
4M01511S	150x110 mm	4 mm connector	16 cm	2 pcs
24F0406S	40x60 mm	2 and 4 mm pin	16 cm	2 pcs
24F0806S	80x60 mm	2 and 4 mm pin	16 cm	2 pcs
24F0128S	120x80 mm	2 and 4 mm pin	16 cm	2 pcs
24F1511S	150x110 mm	2 and 4 mm pin	16 cm	2 pcs
4M004060	40x60 mm	4 mm connector	/	2 pcs
4M008060	80x60 mm	4 mm connector	/	2 pcs
4M001280	120x80 mm	4 mm connector	/	2 pcs
24F008060	80x60 mm	2 and 4 mm pin	/	2 pcs
24F001280	120x80 mm	2 and 4 mm pin	/	2 pcs
SIL0005050	50x50 mm	2 mm pin	/	4 pcs
SIL0050100	50x100 mm	2 mm pin	/	4 pcs

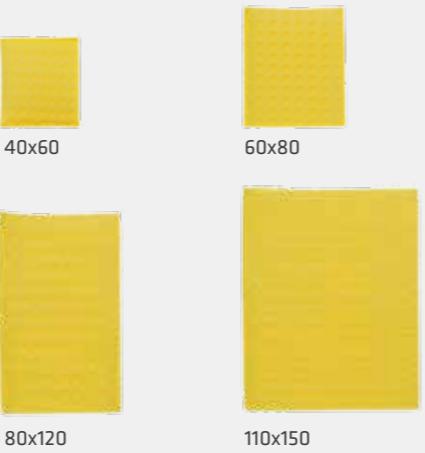


## TENS / Accessories

### Sponge Pouch

- Compatible with reusable electrodes.
- The Spontex version guarantees a long-lasting treatment.

Code	Size	Material	Pack
4T004060	40x60 mm	Sponge	10 pcs
4T008060	80x60 mm	Sponge	10 pcs
4T001280	80x120 mm	Sponge	10 pcs
4T0015110	110x150 mm	Sponge	10 pcs
4TS04060	40x60 mm	Spontex	10 pcs
4TS08060	60x80 mm	Spontex	10 pcs
4TS01280	80x120 mm	Spontex	10 pcs
4TS015110	110x150 mm	Spontex	10 pcs



### Sponge/Electrodes

Code	Size	Connectors	Pack
SILSP04560	45x60 mm	Snap	4 pcs
SILSP06080	60x80 mm	Snap	4 pcs
SILSP80120	80x120 mm	Snap	4 pcs

60x45      45x60      80x120

### Adapters

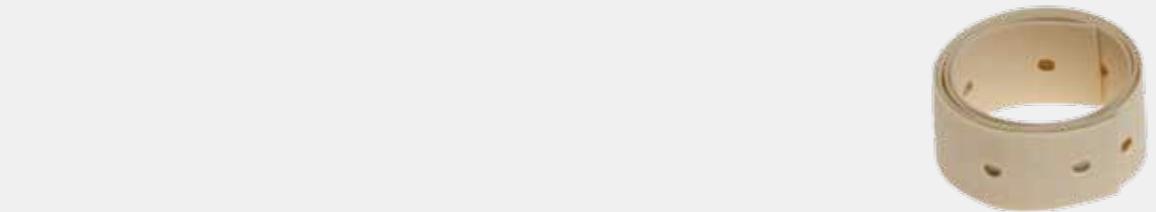
Code	Description	Connectors	Pack
CROC01S	Crocodile adapter	2 mm Pin ●	10 pcs
CROC02IS	Crocodile adapter	2 mm Pin ○	10 pcs
ADPT2F01	Snap adapter	2 mm Pin ●	5 pcs
ADPT2F02	Snap adapter	2 mm Pin ○	5 pcs

## Accessories / TENS

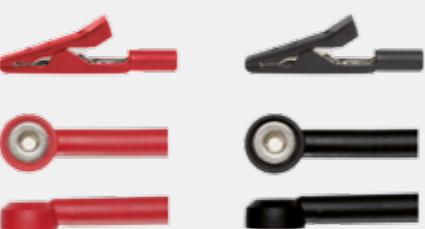
### Elastic Bands

- Excellent elasticity and comfort for the patient.
- Available in different sizes and thickness.

Code	Description	Size	Pack
BAND0100	Elastic with velcro	10x100 cm	1 pc
BAND0080	Elastic with velcro	10x80 cm	1 pc
BAND0060	Elastic with velcro	10x60 cm	1 pc
BAND0040	Elastic with velcro	10x40 cm	1 pc
BAND08100	Elastic with velcro	8x100 cm	1 pc
BAND08080	Elastic with velcro	8x80 cm	1 pc
BAND08060	Elastic with velcro	8x60 cm	1 pc
BAND08040	Elastic with velcro	8x40 cm	1 pc
BAND03100	Elastic with velcro	3x100 cm	1 pc
BAND03080	Elastic with velcro	3x80 cm	1 pc
BAND03060	Elastic with velcro	3x60 cm	1 pc
BAND03040	Elastic with velcro	3x40 cm	1 pc



60x45      45x60      80x120



Code	Description	Connectors	Pack
CROC01S	Crocodile adapter	2 mm Pin ●	10 pcs
CROC02IS	Crocodile adapter	2 mm Pin ○	10 pcs
ADPT2F01	Snap adapter	2 mm Pin ●	5 pcs
ADPT2F02	Snap adapter	2 mm Pin ○	5 pcs



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