



# ACERTYS

part of the DUOMED group

## Neurophysiology

Supplies & Accessories



- ☐ EMG
- ☐ Disposable Adhesive Electrodes
- ☐ EP
- ☐ EEG/EP Electrodes
- ☐ Gels, pastes & Skin prep accessories
- ☐ Electro-Cap & accessoires
- ☐ Other Accessories



# Table of Contents

## EMG

- Disposable Needle Electrodes
- Reusable Needle Electrodes
- Reusable Stimulating and Recording electrodes

## Disposable Adhesive Electrodes

- Disposable Adhesive Electrodes
- Reusable Leads

## EP

- Auditory Stimulation Accessories

## EEG/EP Electrodes

- Subdermal Needles
  - Disposable
  - Reusable
- Cup Electrodes
  - Reusable
  - Disposable
- EEG Leads
- EEG Electrodes

## IOM

- Electrodes

## Gels, Pastes & Skin Prep Accessories

## Electro-Cap systems & Accessories

### BrainWave Cap

## Other Accessories

# EMG

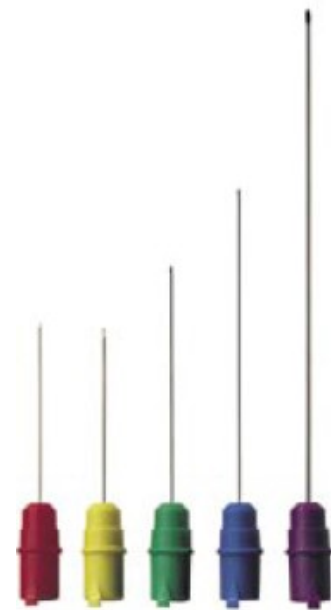
## Disposable Needle Electrodes

### Disposable Needle Electrodes

#### TECA® ELITE Disposable Concentric Needle Electrodes

TECA® has combined their expertise with the knowledge and experience of their valued customers worldwide and developed a new sharper disposable concentric needle which represents the most advanced product of its kind. TECA® ELITE disposable concentric needle electrodes offer the following features and benefits :

- Optimal sharpness for greater patient comfort
- Orientation-free connection for ease of use
- Color coding by needle size for easy identification
- Security clip and recording area direction indicator
- Ergonomically designed hub
- 99,9 % concentricity
- Consistently low impedances for accurate recording
- Lightweight cable and hub design



Part Number	Length	Needle Diameter	Recording Area (mm <sup>2</sup> )	Hub Color	Quantity
S53153	1" (25mm)	0.30mm (30G)	0.03	Red	1/pouch - 25/box
S53155	1" (25mm)	0.46mm (26G)	0.07	Yellow	1/pouch - 25/box
S53156	1.5" (37mm)	0.46mm (26G)	0.07	Green	1/pouch - 25/box
S53158	2" (50mm)	0.46mm (26G)	0.07	Blue	1/pouch - 25/box
S53159	3" (75mm)	0.64mm (23G)	0.07	Violet	1/pouch - 25/box

#### Needle Holder

The concentric needle holder has a orientation-free hub to connect the TECA® Elite disposable concentric needles. With a shielded 106cm cable terminating in a 5-pin 240° DIN plug.

Type	Part Number
Needle Holder	X21001



#### Product information :

TECA® Elite Disposable concentric needle electrodes have been sterilized by gamma irradiation. Product shelf life is marked on the pack. Expiry is 3 years from sterilization date. Contains no latex.



#### DID YOU KNOW?

In 1987 TECA® introduced the first disposable concentric needle!

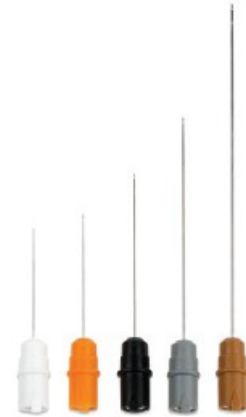
# EMG

## Disposable Needle Electrodes

### Disposable Needle Electrodes

#### **NATUS® Valueline Disposable Concentric Needle Electrodes**

- Sharp, 3-bevel tip design increases patient comfort by reducing insertion force
- Cannula is coated to reduce friction and required force, increasing patient comfort
- Stainless steel cannula provides strength for efficient penetration and flexibility for precise adjustments
- Precisely centered, insulated stainless steel core provides consistent signal detection
- Rigorous quality control assures clinical reliability
- Low impedance levels for accurate recordings
- Pre-sterilized



Part Number	Length	Needle diameter	Recording area (mm²)	Hub color	Quantity
25V30	1" (25mm)	0.30mm / 30G	0.03	White	1/pouch - 25/box
25V26	1" (25mm)	0.46mm / 26G	0.07	Orange	1/pouch - 25/box
37V26	1.5" (37mm)	0.46mm / 26G	0.07	Black	1/pouch - 25/box
50V26	2" (50mm)	0.46mm / 26G	0.07	Gray	1/pouch - 25/box
75V23	3" (75mm)	0.64mm / 23G	0.07	Brown	1/pouch - 25/box

#### **Needle Holder**

The concentric needle holder has a orientation-free hub to connect the TECA® Valueline disposable concentric needles. With a shielded 150 cm cable terminating in a 5-pin 240° DIN plug.

Type	Part Number
Needle Holder	15VCBL



#### **Product information :**

**TECA®** Elite Disposable concentric needle electrodes have been sterilized by gamma irradiation. Product shelf life is marked on the pack. Expiry is 3 years from sterilization date. Contains no latex.

# EMG

## Disposable Needle Electrodes

### Disposable Needle Electrodes (only Flanders)

#### Dantec® Disposable Concentric Needle Electrodes

- Silicone coating and ultra-sharp, 3-bevel tip design
- Stainless steel cannula
- Each needle has an ergonomically designed, color-coded hub with recording area direction indicator
- Precisely centered, insulated tungsten core provides accurate signal detection
- Rigorous quality control
- Low impedance levels for accurate recordings
- Pre-sterilized



Part Number	Length	Needle Diameter	Recording Area (mm <sup>2</sup> )	Hub Color	Quantity
9013S0012	1" (25mm)	0.30mm (30G)	0.02	Orange	1/pouch - 25/box
9013S0022	1" (25mm)	0.46mm (26G)	0.07	Green	1/pouch - 25/box
9013S0032	1.5" (37mm)	0.46mm (26G)	0.07	Blue	1/pouch - 25/box
9013S0042	2" (50mm)	0.46mm (26G)	0.07	Red	1/pouch - 25/box
9013S0052	3" (75mm)	0.64mm (23G)	0.07	Yellow	1/pouch - 25/box

#### Needle Holder

Shielded cable for Dantec DCN electrodes. 5-pin DIN 1,5m

Type	Part Number
Needle Holder	9013C0014



**The Dantec disposable concentric needles are not for sale in the french speaking part of Belgium and the Grand Duché Luxembourg**

# EMG

## Disposable Needle Electrodes

### TECA Disposable Myoject Needles

For Botox™ therapy and nerve block procedures

The Myoject disposable hypodermic needles offer the following benefits :

- Records EMG activity or electrically stimulates while allowing injection of medication
- Stainless steel hypodermic needle, ground to a consistently sharp point
- Specifically engineered for Botox™ Therapy and Nerve Block procedures
- Coated with a low friction insulator for ease of insertion
- Luer Lock needle
- Colour-coded touchproof lead for easy identification



Part Number	Needle Length	Needle Diameter	Lead Color	Quantity
MJT-2530-LL	1" (25mm)	0.30mm (30G)	Red	1/pouch - 10/box
MJT-2527-LL	1" (25mm)	0.41mm (27G)	Yellow	1/pouch - 10/box
MJT-3726-LL	1.5" (37mm)	0.46mm (26G)	Green	1/pouch - 10/box
MJT-3727-LL	1.5" (37mm)	0.41mm (27G)	Orange	1/pouch - 10/box
MJT-5025-LL	2" (50mm)	0.51mm (25G)	Blue	1/pouch - 10/box
MJT-7522-LL	3" (75mm)	0.71mm (22G)	Violet	1/pouch - 10/box

**Product Information :** TECA disposable Myoject Hypodermic needles are made of stainless steel, coated with an insulator. For single use only. Sterilized by gamma irradiation. Each needle has a 76,2 cm colour-coded attached lead. No latex.

### Bo-ject® DHN Disposable Hypodermic Needle Electrodes

For therapy and nerve block procedures

- Low loss hub reduces serum waste
- Records EMG activity while allowing injection of medication
- Stainless steel needle, point stays sharp through multiple injection sites
- Connects with both Luer Lock and slip fit syringes
- Collor coded package for easy identification
- Cable length 90cm terminating in 1,5mm female touchproof connector
- Pre-sterilized



Part Number	Needle Length	Needle Diameter	Package Color	Quantity
901350422	1" (25mm)	0.30mm (30G)	Orange	1/pouch - 12/pack
901350432	1" (25mm)	0.41mm (27G)	Green	1/pouch - 12/pack
901350442	1.5" (37mm)	0.41mm (27G)	Light Blue	1/pouch - 12/pack
901350472	1.5" (37mm)	0.46mm (26G)	Blue	1/pouch - 12/pack
901350452	2" (50mm)	0.46mm (26G)	Red	1/pouch - 12/pack
901350462	3" (75mm)	0.64mm (23G)	Yellow	1/pouch - 12/pack



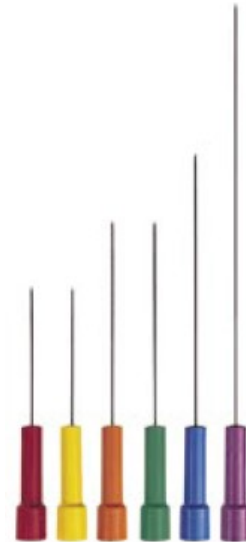
# EMG

## Disposable Needle Electrodes

### TECA Disposable Monopolar Needles

The Teca Disposable Monopolar Needles offer the following benefits :

- Stainless steel needle, ground to a consistently sharp point
- Coated with a low friction insulator for ease of insertion
- Colour-coded by needle size for easy identification
- Consistently low impedance levels for accurate recordings
- For single use only
- Sterilized by gamma irradiation
- No latex
- Plug into a reusable, ultra-flexible rubber coated lead cable



Part Number	Length	Needle Diameter	Hub Color	Recording Area (mm <sup>2</sup> )	Quantity
902-DMF25-S	1" (25mm)	0.36mm (28G)	Red	0.28	1/pouch - 48/box
902-DMG25-S	1" (25mm)	0.46mm (26G)	Yellow	0.34	1/pouch - 48/box
902-DMF37-S	1.5" (37mm)	0.36mm (28G)	Orange	0.28	1/pouch - 48/box
902-DMG37-S	1.5" (37mm)	0.46mm (26G)	Green	0.34	1/pouch - 48/box
902-DMG50-S	2" (50mm)	0.46mm (26G)	Blue	0.34	1/pouch - 48/box
902-DMG75-S	3" (75mm)	0.46mm (26G)	Violet	0.34	1/pouch - 24/box

### Reusable Lead Cable

A ultra-flexible insulated lead wire (61 cm) with moulded connectors to connect to the TECA disposable monopolar needle, terminating in a touchproof plug.

Type	Qty	Part number
Reusable Lead	6/pkg	902-RLC-TP



# EMG

## EMG Needle Electrodes

### Reusable Needle Electrodes

#### Single Fibre Needles

A platinum-iridium recording surface is presented through a side port opposite to the cutting edge bevel, close to the needle tip.

The position of the recording electrode is indicated by a white dot on the needle hub. The core of the electrode has a diameter of 25 µm.



Type	Length	Part number
Indicator Single fibre needles	25mm 27G	D225-301
Indicator Single fibre needles	40mm 26G	D24-301

#### Needle holder

Reusable locking needle holder for use with reusable demountable needle electrodes, Single fibre needles. Features 100cm / 125 cm - PVC coated cable, terminating in a 5-pin 240° DIN connector



Type	Length	Part number
Needle holder	1,25 m	1741

#### Product information - Reusable Needle electrodes

New autoclavable needle electrodes are supplied unsterilized. Sterilize needle before and between each use. Efficacy sterilization is the responsibility of the user

### HUSH Cables - Multi-use cables

Description	Length	Electrode end	Connection	Qty	Part Number
HUSH shielded cable	1m	2 x 0,7mm fem. TP	5-pin DIN	1/pkg	9013C0112
HUSH shielded cable	2m	2 x 0,7mm fem. TP	5-pin DIN	1/pkg	9013C0122
HUSH shielded cable	1m	3 x 0,7mm fem. TP	5-pin DIN	1/pkg	9013C0132
HUSH shielded cable	2m	3 x 0,7mm fem. TP	5-pin DIN	1/pkg	9013C0142
Unshielded cable	0,8m	0,7mm fem. TP	1,5mm TP	8/pkg	9013C0152
Unshielded cable	2m	0,7mm fem. TP	1,5mm TP	8/pkg	9013C0242





# EMG Stimulating & Recording Electrodes

## Bipolar Stimulating Electrodes

The bipolar surface electrode is used to stimulate motor nerves through the skin. It consists of a plastic mount into which 2 felt pads, pre-soaked in saline, are inserted. The centre-to-centre distance from the cathode to the anode (+ pole) is 25 mm. The electrode can be fixed with velcro or hand held. Cable connects in two touchproof connectors or one DIN connector.

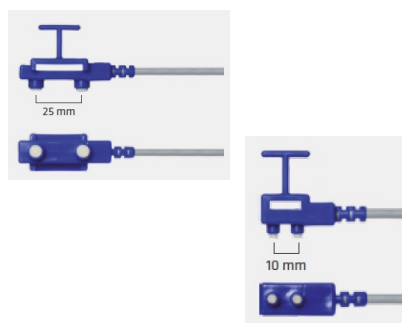
Type	Part Number
Large Bipolar Stimulating electrode 20mm — TP	16893T
Large Bipolar Stimulating electrode 20mm— DIN	16893-DIN5
Large Bipolar Stimulating electrode 20mm met stalen bolletjes—DIN	16893M-DIN5
Metal inserts	MI-001
Felt pads—pack of 10	53081



Shielded bipolar stimulator with felts or steel-balls.

Kit contains : two round felt tip, two stainless steel stimulating electrodes, two velcro straps.

Type	Part Number
Large Bipolar Stimulating electrode 25mm — TP	STIL1526
Large Bipolar Stimulating electrode 25mm— DIN	STIL1571
Felt pads—pack of 50	FELT0520
Stainless steel stimulating electrodes 6mm pair	SFERSTIL



Small Bipolar Stimulating electrode 10mm—TP	STIS1526
Small Bipolar Stimulating electrode 10mm—DIN	STIS1571
Felt pads—pack of 50	FELT0320
Stainless steel stimulating electrodes 3mm pair	SFERSTIS

## Digital Ring Electrodes

For sensory nerve stimulation and recording. Conductive gel should be used on each ring. Consists of 2 separate sprung stainless-steel, adjustable rings with 1m long red and black PVC coated connecting wires with touchproof connections.

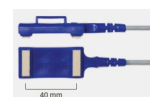
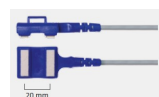
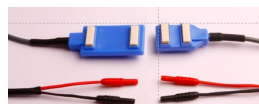
Type	Part Number
Digital Ring electrodes	16639T
Digital Ring electrodes	5032-TP
Digital Ring electrodes	SRRING0126T



## Bar Stimulating Electrodes

Contact made via saline soaked felt pads. 150cm lead terminating in touchproof plugs.

Type	Part Number
Bar stimulating electrode small 20mm	18261T
Bar stimulating electrode large 40mm	17981T
Felt pads—pack of 10	53082
Bar Stimulating electrode small 20mm	STRCP01526
Bar Stimulating electrode large 40mm	STRCG01526
Felt pads—pack of 50	FELT0720



## Hand-Held Stimulating Electrodes

Replacement felt pads. Indicator locates cathode.

Type	Part Number
Two 6mm felt tips 23mm apart	9013L0362
Replacement felt tip length 7mm diam 7,5mm pcs100	9013L3522



# EMG Stimulating & Recording Electrodes

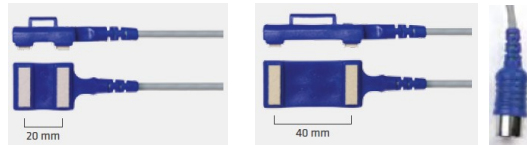
## Bar Recording Electrodes

Contact is made via saline soaked felt pads. 150cm lead terminating in 5-pin 240° DIN connector.

Type	Part Number
SE20 Bar Recording electrode 20mm	16933
SE40 Bar Recording electrode 40mm	16934
Felt pads—pack of 10	53082



SE20 Bar Recording electrode 20 mm	STRCP01571
SE40 Bar Recording electrode 40mm	STRCG01571
Felt pads—pack of 50	FELT0720



## Bar Electrodes

The bar electrode has two 10mm stainless steel discs on 30mm centers. Fixed in a plastic mount. It is connected to one 1m twisted wire pair that terminates in two touch-proof connectors. Routinely used for motor nerve conduction studies and as stimulating points for evoked potential studies.

Type	Part Number
Bipolar disk	019-446700



## Stainless Steel Disk Electrodes

10mm stainless steel discs, 1 pair with red and black PVC coated, 76 cm leads terminating in Touchproof plugs.

Type	Part Number
Twisted leads 1m	6030-TP
Separate leads 1m	6030-3-TP



## HUSH® Disc Electrodes

Type	Part Number
Shielded cable 1m 2 x 10mm discs 5-pin DIN	013S0402



# EMG

## Stimulating & Recording Electrodes

### Bipolar Felt Pad Electrode

For surface stimulating. Consists of 2 felt pads in a stainless steel holder. 30mm spacing between pads. A red dot, moulded into the stimulator indicates the anode. Each 1m cable is colour-coded for polarity.

Type	Part Number
Bipolar Felt Pad electrode	019-401500
Replacement pads—pack of 10	019-406700



### Bar Electrode

Consists of 2 durable gold-plated stainless-steel disk electrodes with 9mm diameters and 30mm spacing. Features grooved bar. Electrode is coded for polarity. Available in two lead lengths.

Type	Length	Part Number
Bipolar disk	1,00 m	019-401400
Bipolar disk	0,50 m	019-431400



### Snap-On T-Handle

Moulded T-Handle fits the bar or felt pad electrode and allows more flexibility and ease of use when changing or adjusting test sites. The handle is designed to easily snap on and off.

Type	Part Number
T-Handle	019-421000



### Reusable Extension Cable – Twisted

Reusable red and black twisted cable lead touchproof extension cable is perfect for recording and reference electrode pairs that require a little extra length.

Type	Length	Part Number
Extension cable	1,00 m	019-408400
Extension cable	2,00 m	019-432200



# EMG

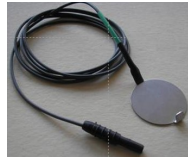
## Stimulating & Recording Electrodes

### Reusable Ground Plate Electrode

Long-lasting 30mm diameter stainless-steel ground plate electrode, available in 2 lead lengths.



019-401200



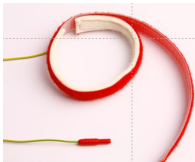
54432T

Type	Length	Part Number
Stainless steel	0,75 m	019-401200
Stainless steel	1,50 m	54432T

### Ground Strap Electrode

Grounding "wrap-around" style electrode, 20mm wide. 1,2 m lead available in adult and paediatric sizes.

Type	Length	Part Number
Adult	1,20 m	54483T
Paediatric	1,20 m	019-415900



54483T

### Copper Grounding tape

The grounding tape consists of a conductive, flexible tape with a velvet finish and a velcro. The grounding tape is attached to a push-button via a highly flexible lead.

Type	Length	Part Number
Grounding tape	45 cm	333451



333451



145115

Type	Length	Part Number
Grounding cable	1,50m	145115

### Ground Strap Electrode

Velcro wraparound ground electrode with female TP connection.

Length strap	Width strap	Length lead	Part Number
10 cm	15mm	1,50 m	9013S0714
18,5 cm	20mm	1,50 m	9013S0735
45 cm	20mm	1,50 m	9013S0775
75cm	20mm	1,50 m	9013S0745



### Velcro Straps

Velcro Straps provide comfort to your patient while holding electrodes securely. Straps may be attached to each other for large limb applications.

Type	Length	Qty	Part Number
Velcro Strap Red	1,00 m	1	M0001
Velcro Strap Red	0,55 m	3	698-621400
Velcro Strap blue	1,00 m	1	VELCROBLU100
Velcro Strap blue	0,55 m	1	VELCRUBLU55



# Disposable Adhesive

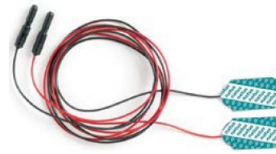
## Electrodes and Accessories

### Disposable Adhesive Electrodes

#### Disposable Tab Electrodes with Leads

Disposable electrode set contains 2 pre-gelled silver/silver chloride tab electrodes with contact area measures 20mm x 25mm and 1m touchproof leads. 2 colour-coded (red and black) electrodes per pouch. 24 pairs per pack. Ideal for SEP, AEP and IOM.

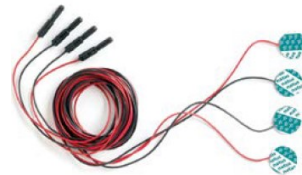
Type	Length	Qty	Part Number
Tab	1,00 m	24 pair/pkg	019-406600



#### Disposable 2x2 Electrode set with Leads

Disposable silver/silver chloride pre-gelled electrode set contains 4 disk electrodes 20mm diameter. Each pouch contains 2 red and 2 black colour-coded electrodes. Available in 2 touchproof lead lengths. 24 sets per pack. Ideal for IOM applications.

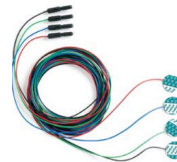
Type	Length	Qty	Part Number
Disk	1,50 m	24 sets/pkg	019-415000
Disk	3,00 m	24 sets/pkg	019-420800



#### Disposable 4-disk Electrode set with Leads

Disposable silver/silver chloride pre-gelled electrode set contains 4 disk electrodes 20mm diameter with leads attached. 4 colour-coded (red, blue, green and black) electrodes per pouch. Available in 2 touchproof lead lengths. 15 sets per pack. Ideal for Sleep Studies, NCS, SEP, AEP, EMG, ENG and IOM.

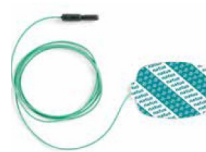
Type	Length	Qty	Part Number
Disk	1,00 m	15 sets/pkg	019-400400
Disk	2,00 m	15 sets/pkg	019-409000



#### Disposable Ground plate electrode with lead

Attached green lead wire terminates in 1,5mm touchproof connectors. One pre-gelled Ag/AgCl ground electrode per pouch. 40mm x 50mm surface area. Ideal for EMG, NCS, SEP and IOM studies.

Type	Length	Qty	Part Number
Ground	1,00 m	24 pcs/pkg	019-400500
Ground	2,00 m	24 pcs/pkg	019-409100



#### Disposable pre-gelled surface electrodes

Twelve pre-gelled Ag/AgCl electrodes per package. Can be repositioned on the same patient.

Part Number	Rec. area	Length	Lead connector	Qty
443010	12mmx20mm	10 cm	0,7mm male TP	12/pkg
454010	9mmx6mm	8 cm	0,7mm male TP	12/pkg
443020	9mmx6mm	50 cm	1,5mm female TP	12/pkg
454030	20mmx25mm	15 cm	0,7mm male TP	12/pkg
454040	20mmx25mm	20 cm	0,7mm male TP	12/pkg



\* cable on page 18

# Disposable Adhesive

## Electrodes and Accessories

### Disposable Ground/Tab Electrodes

Disposable pre-gelled silver/silver chloride tab/ground electrodes contact area measures 22mm x 32mm. Requires reusable alligator clip lead wires (CB0102) . 10 electrodes per pouch, 10 pouches per pack. Ideal for NCS and SEP.

Type	Qty	Part Number
Ground	100/pkg	019-435300



### Disposable Ring Electrodes

Disposable pre-gelled silver/silver chloride ring electrode, contact area measures 5mm x 100mm. 20 electrodes per pouch, 10 pouches per box. Requires reusable alligator clip lead wire. Ideal for NCS.

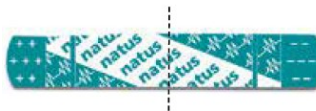
Type	Qty	Part Number
Ring	200/pkg	019-435500



### Disposable Bar/Disc Electrodes

Disposable pre-gelled, silver/silver chloride bar electrode contact area measure 12mm x 18mm, with 25mm spacing between contact areas that have the centers clearly marked for easy placement. They can also be perforated down the middle to enable them to be used as individual disc electrodes. 10 electrodes per pouch, 10 pouches per box.

Type	Qty	Part Number
Bar	100/pkg	N6003



### Disposable Bar/Disc Electrodes

Disposable pre-gelled, silver/silver chloride ground plate electrode contact area measure 40mm x 50mm. Requires reusable alligator clip lead wires. Two electrodes per pouch.

Type	Qty	Part Number
Bar/Disc	25pouches /pkg	019-768500

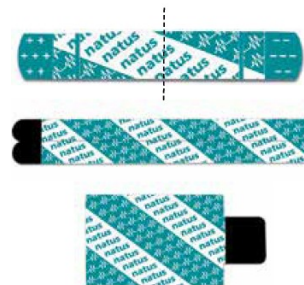


### Electrode Kits

#### 30 Patient Kits

Contains 60 bar (N6003), 60 digital ring and 60 ground electrodes.

Type	Qty	Part Number
30 patient kit	60 bar, ground & ring electr./pkg	N2025





# Disposable Adhesive

## Electrodes and Accessories

### Reusable Leads

#### Alligator Clip Lead Wire Kit

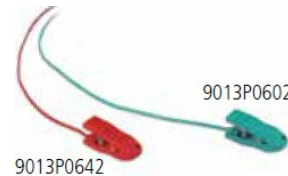
1,25m long alligator clip leads with touchproof connectors for use with disposable surface electrodes without leads. Neatly clips onto electrodes, avoiding contact with gel. Available in red, green and black.



Type	Part Number
Complete Set	117-401900
Red/Black Pair	019-417000
Ground	019-417200

#### HUSH Alligator-clip cables

For use with pre-gelled tab electrodes.



Part Number	Type	Length	Electrode end	Instrument end
9013C0232	Shielded	1 m	3-color coded clips	5-pin DIN
9013P0602	Unshielded	80 cm	Clip connector green	1,5mm TP
9013P0642	Unshielded	80 cm	Clip connector red	1,5mm TP

#### Shielded Snap Lead Cable

2-snap, 1,5m shielded lead that terminates into 5-pin DIN connector that will fit most EMG machines. For use with snap electrodes.



Type	Part Number
2-Snap Lead cable	085-452500

#### Magstim Lead

3-snap to 3 touchproof plugs – Magstim Lead

Type	Part Number
3-Snap lead cable	LD03 001/003 S01

#### Disposable adhesive center snap square electrode

3-snap to 3 touchproof plugs – Magstim Lead

Type	Part Number	Qty
Square snap	444010	30/pkg



#### Shuttle cable

Shielded connection cable (61cm) long, with 3 x touchproof sockets terminating in a 5-pin DIN plug.

Part Number
2002-TP



#### Lead Set long 61 cm

Lead wires with crocodile clips terminating in touchproof plugs. Red, Green, Black

Type	length	Part Number
Lead set	0,61 m	CB102



# Disposable Adhesive

## Electrodes and Accessories

### Reusable Snap Leads

Designed for use with our disposable snap electrodes. 5 electrodes with touchproof connectors. 5 colour-coded lead per pack (blue, grey, purple, green and yellow). Available in 5 lengths.

Type	Length	Qty	Part Number
Snap Leads	1,00 m	5/pkg	019-419000
Snap Leads	1,50 m	5/pkg	019-419100
Snap Leads	2,00 m	5/pkg	019-419200
Snap Leads	3,00 m	5/pkg	019-419300



### Snap Leads

Reusable 152 cm snap leads ideal for use where only 2 electrodes are required. 2 colour-coded leads per pack (blue and grey).

Type	Part Number
Snap Leads	019-424500



**We offer a variety of additional disposable adhesive electrodes and snap electrodes.  
For more information, please contact our Sales department**

# Auditory EP & ENG

## Electrodes & Accessories

### Reusable Tubal Insert Phones (TIPs)

For auditory studies including evoked potentials, audiometry, and intra-operative monitoring. The use of TIPs maximizes interaural stimulus isolation, prevents ear canal collapse, and reduces stimulus artifact. TIPs are easy-to-use, lightweight, durable and comfortable for the patient. Included with the TIPs are : 3 red and 3 blue silicone tubes, fifty 13mm disposable foam eartips, a 16' cable, user's guide and impedance tip adaptors.

Type	Qty	Part Number
TIP300	1 kit/pkg	041-704000
Cable	1/pkg	085-746400



### Disposable Polyurethane Foam Ear Tips

For use with Nicolet Tubal Insert Phones, and all Nicolet Evoked potential systems. Single use only.

Type	Qty	Part Number
13mm yellow	50/pkg	8029055
10mm beige	50/pkg	8500110



### Replacement Red/Blue Silicone Tubes

Three red and three blue tubes per pack and three pairs of additional replacement connectors.

Type	Qty	Part Number
Red/blue	3 each colour	1700-9688



### Replacement Clear Silicone Tubes

Replacement Silicone Tubes are now available in clear. Three pairs, with six replacement connectors. See above for red/blue tubes.

Type	Qty	Part Number
Clear Tubes	6/pkg	019-411200

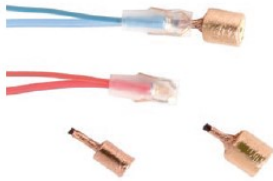


# Auditory EP & ENG

## Electrodes & Accessories

### Gold TIPtrodes/Reusable TIPtrode cable

For use with Nicolet's Tubal Insert Phones and all Nicolet Evoked Potential Systems except for Audit V. The gold foil-wrapped polyurethane-foam eartip electrodes offer both sound delivery and recording functions in one unit. It also enhances Wave I amplitude but may be used for ABR and all other auditory evoked potential recording/testing as well. TIPtrodes are for single use only. Use of TIPtrodes requires one pair of TIPtrode cables.



Type	Qty	Part Number
10mm TIPtrode	20/pkg	019-746802
13mm TIPtrode	20/pkg	019-741901
250mm cable	pair	085-41500

### Replacement Ear Tips

Soft ear tips made of PVC plastic, for use with the Impedance Tip Adaptor kit.



Type	Qty	Part Number
3.5mm Tips	10/pkg	842-507300
4.0mm Tips	10/pkg	842-507400
5.0mm Tips	10/pkg	842-507500

### Universal Infant Ear Tips

Though these Universal Infant Ear Tips were designed for the GSI AUDIOScreener™, they will perform well in many paediatric auditory applications. The diameters of each successive segment are 3.5mm, 4mm and 5mm.



Type	Qty	Part Number
3.5mm-5mm	10/pkg	2002-9660

### Intra-auricular Headset

This headset is a stereo version of the earphone. Due to its light weight and small size it is ideal for use in IOM, as well as auditory testing of children and neonates.

Type	Part Number
Synergy N&T series	040K024



### Eartips

Used with the Intra-auricular headset and earphone

Type	Part Number
Premature	51023
Neonatal	51019
Infant	51020
Child	51021
Adult	51022



### Subdermal Needles

#### Disposable Subdermal Needles for EEG/EP's

Stainless steel needle, ground to a consistently sharp point for maximum patient comfort.  
Short lead (6 cm with 1mm plug) attached for easy connection and disconnection to reusable interconnection cable.

Lightweight, flexible interconnection cable for ease of use

Supplied sterile (ETO) to maximise safety

For single use only

Type	Length	Diameter	Qty	Part Number
Disposable subdermal needle	12mm	0.30mm	5x5/pkg	017K025
Disposable subdermal needle	15mm	0.30mm	24x5/pkg	1111

017K025

1111



Type	Length	Diameter	Qty	Part Number
Disposable scalp electrode	10mm	0.30mm	40/pkg	027786
Disposable scalp electrode	12mm	0.35mm	40/pkg	1115-SN1235/0.75



### Reusable Lead Cables

For short subdermal needles with a 1mm connector to the electrode end.

Type	Length	Colour	Qty	Part Number
Reusable Lead cable	1,20 m	multi	10/pkg	MNC12PDINS



For scalp electrodes with a 0,7mm connector to the electrode end.

Type	Length	Colour	Qty	Part Number
Reusable Lead cable	1,20 m	multi	10/pkg	MNC10MEDDINS

Flexible shielded cable with three 1mm sockets one side and a 5-pin DIN connector the other side.

Type	Qty	Part Number
Reusable Lead cable	1/pkg	1003P1N71



Flexible shielded cable with three 0,7 mm sockets one side and a 5-pin DIN connector the other side.

Type	Length	Qty	Part Number
Needle cable with 2 x 0.7mm	1,20m	1/pkg	155122
Hush shielded cable 2 x 0.7mm	1,00m	1/pkg	9013C0112
Hush shielded cable 2 x 0.7mm	2,00m	1/pkg	9013C0122



### Disposable Subdermal Needles with lead attached

#### Disposable 12mm Subdermal EEG/EP needles

Disposable Subdermal needles 12mm in length, and 0,4mm diameter (27 Gauge). Needles available in stainless steel or platinum/iridium. 6 colour-coded leads individually packaged. Available in 3 lengths.



Type	Length	Qty	Part Number
Stainless steel	1,00 m	24/pkg	S50716-001
Stainless steel	1,50 m	24/pkg	S50716-002
Stainless steel	2,50 m	24/pkg	S50716-004

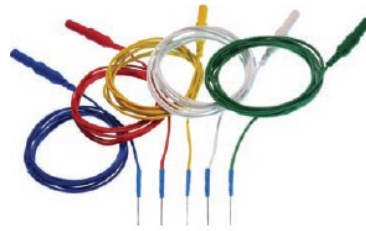
# EEG/EP

## Electrodes & Accessories

### Disposable 13mm Subdermal Needles

Stainless steel 13mm in length and 0.4mm (27G) in diameter.  
Prestirilized (ETO) – for single use only.

Type	Length	Qty	Part Number
Stainless steel	1,00 m	25/pkg	S43-438
Stainless steel	1,50 m	25/pkg	S43-638
Stainless steel	2,00 m	25/pkg	S43-838
Stainless steel	2,50 m	25/pkg	S43-938



### Natus ultra disposable subdermal needle electrode

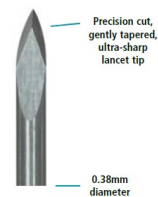
Precision cut, gently tapered, ultra-sharp lancet tip for effortless skin penetration assuring optimal patient comfort.

High-tensile-strength, medical grade stainless steel needle for optimum strength and flexibility

1,5mm insulated female connector, touchproof

Individually packaged in sterile, pre-printed pouches for safety and easy identification.

Type	Needle	Length	Qty	Part Number
Stainless steel	14mm	1,00 m	6 color 24/box	019-476600
Stainless steel	14mm	1,50 m	6 color 24/box	019-476800
Stainless steel	14mm	2,50 m	6 color 24/box	019-477000
Stainless steel	14mm	1,00 m	12 color 24/box	019-476700
Stainless steel	14mm	1,50 m	12 color 24/box	019-476900
Stainless steel	14mm	2,50 m	12 color 24/box	019-477100



4 each of 6 Lead Wire Colors:

2 each of 12 Lead Wire Colors:

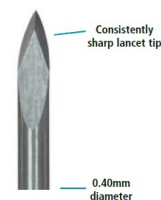
### Natus Classic disposable subdermal needle electrode

Medical grade stainless steel with consistently sharp tip for reliable insertion and patient comfort.

1,5mm insulated female connector, touchproof

Individually packaged in sterile, pre-printed pouches.

Type	Needle	Length	Qty	Part Number
Stainless steel	12mm	1,00 m	6 color 24/box	019-475800
Stainless steel	12mm	1,50 m	6 color 24/box	019-475900
Stainless steel	12mm	2,50 m	6 color 24/box	019-476000





### Disposable EEG Cup Electrodes

The 10mm cups have a 2mm centre hole and the recording surface is silver/silver chloride. Packaged 10 electrodes per pack, lead wires are uniquely colour-coded (yellow, orange, red, grey, blue, brown, black, white and purple). Ideal for use with open wounds, head trauma and IOM cases.

Type	Length	Qty	Part Number
Disposable cup	1,00 m	25/pkg	C52-438
Disposable cup	1,50 m	25/pkg	C52-638
Disposable cup	2,00 m	25/pkg	C52-838



### Reusable Cup Electrodes

The cup electrodes have been designed to withstand long-term use by medical technicians. The precision stamped cups are available in two diameters : the pediatric 6mm or the adult 10mm. They are made out of 99,9 % pure silver. The silver cups are silver chlorided, covered with a heavy gold-plate or kept silver (Ag, Au references on demand). The flexible autoclavable wires terminate into a safety DIN 42 802 connector, multicolour.



Type	Lead	Size	Qty	Part Number
Ag/AgCl	1,00 m	Adult	12	C22-434
Ag/AgCl	1,50 m	Adult	12	C22-634
Ag/AgCl	2,00 m	Adult	12	C22-834
Ag/AgCl	1,00 m	Pediatric	12	C24-434
Ag/AgCl	1,50 m	Pediatric	12	C24-634
Ag/AgCl	2,00 m	Pediatric	12	C24-834

### Reusable Tangle free cup electrodes

Reusable tangle free range of cup electrodes with a diameter of 10mm (adult) 6mm (pediatric). Cups available in gold, silver (adult/pediatric) and Ag/AgCl (adult) and in 3 lengths with 12 color-coded electrodes per pack (2xgreen, bleu, yellow, grey, pink and purple).

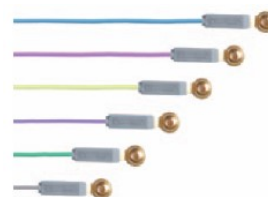
Part Number	Type	Length	Qty
019-414400	Gold	1,00m	12/pkg
019-413900	Gold	1,50m	12/pkg
019-433800	Gold	2,50m	12/pkg
019-414600	Silver	1,00m	12/pkg
019-414100	Silver	1,50m	12/pkg
019-417600	Ag/AgCl	1,00m	12/pkg
019-417700	Ag/AgCl	1,50m	12/pkg

Adult



Part Number	Type	Length	Qty
019-772500	Gold	1,00m	12/pkg
019-772600	Gold	1,50m	12/pkg
019-772100	Silver	1,00m	12/pkg
019-772200	Silver	1,50m	12/pkg

Pediatric



### Value Line disposable EEG Deep-cup electrodes

Ag/AgCl coated ABS cup with 2mm hole.  
Single use eliminates the risks of cross-contamination  
No cleaning and maintenance, use once and throw away  
Flexible lead wires terminate in 1,5mm female touchproof connectors  
Ten lead-wire colors

Type	Lead	Qty	Part Number
Ag/AgCl 10mm	1,00 m	10	017501
Ag/AgCl 10mm	1,50 m	10	017502
Ag/AgCl 10mm	2,00 m	10	017503
Ag/AgCl 10mm	2,50 m	10	017504



### Connection cables

Type	Length	Qty	Part Number	
Cable touchproof connector to 2mm spring	1,00 m	10/pkg	BEC1023260	multicolor
Cable touchproof connector to 2mm spring	1,20 m	10/pkg	BEC122326S	multicolor
Cable touchproof connector to 3mm spring	1,00 m	10/pkg	BEC122631S	multicolor
Cable alligator clip to touchproof connector	1,20 m	10/pkg	BEC1226C1G	multicolor



### ECG wrist Clip electrodes

Wrist clip electrodes for the recording of ECG signals with EEG instruments to be used with cable 150cm touchproof connector to 4mm spring



Type	Qty	Part Number
ECG Wrist clip	4/pkg	CLNK0000
Cable	1/pkg	BEC1526410

### Sterile blunted needles

Sterile blunted needle that can be used for inserting conductive gel into the prewired electrode housing

Type	Qty	Part Number
Blunted needle 18mm (16G)	100/pkg	DISP0001800



### Monopode Electrodes

#### Sintered Bridge electrodes for EEG recording

The sintered electrodes are fine silver and Ag/AgCl powered mixed and compressed with a special technique without any filler or binder. The electrodes are homogenous in all thickness with a strong mechanical resistance.

Salient features – Never needs chloriding – High stability – Low offset voltage – Low artifact – Large base



Type	Qty	Part Number
Adult	10/pkg	BEG000A7



Type	Qty	Part Number
Pediatric	10/pkg	BEG000P4

#### Covering set for bridge electrodes

When the EEG recording is finished, all the felt pads which cover the electrode should be removed. The electrodes should be cleaned with water and a mild detergent and a new felt pad inserted, using the special "covering set" containing a tool to fix the OR to the electrode, 100 OR special tissue covering discs.

Type	Qty	Part Number
Assembling kit	100 pcs	BCSET000



#### Reusable PTS Headcap with 4 adjustable bands

Type	Part Number
Large	HEAD0V4L
Medium	HEAD0V4M
Small	HEAD0V4S



#### Reusable Universal Headcap

Type	Part Number
Head cap silicone rubber small adult	9013E1142



9013E1142

### Disposable Epidural Spinal Electrode

Intended for use as a recording electrode for monitoring intra-operative spinal cord evoked potentials. Electrode is monopolar and must be referenced to another electrode. Electrode consists of a 5mm long, 1.0mm diameter round stainless steel tip on a 120mm flexible Teflon™ wire. The Teflon™ wire attaches to a 1.0m silicone lead.

Type	Length	Part Number
Stainless steel	1.0m	CEDL-1PDINX-000



# Pastes, Gels & Skin Prep Accessories

## SPECTRA 360 electrode gel Gel

Easy-to-use 250g squeezable tube. Sodium chloride-free. Water soluble, non-staining and non-irritating to sensitive skin. Safe to use with children.



Type	Part Number
Spectra gel	016-401800

## Ten20™ Conductive Paste

Ten20™ conductive paste is an odourless, white, opaque water-soluble adhesive paste designed to be used with EEG cup electrodes.



Type	Part Number
Ten20™ jar 114 g	016-703600
Ten20™ jar 228 g	10-20-8
Ten20™ tube 114g	122-736000

## NuPrep™ Skin Prep

NuPrep™ gel is useful whenever a reduction of skin impedance would enhance a test result. Tube 114g.



Type	Part Number
NuPrep™	122-736100

## Grass® EC2+® electrode cream

Grass EC2+® is an electrode cream for use during EEG and sleep studies. EC2+ holds securely for both routine EEGs and long term monitoring. EC2+ optimizes resistive, cohesive and adhesive characteristics for accurate recordings..



Type	Part Number
Electroconductive cream	100g EC2+

## OneStep AbrasivPlus & OneStep EEG-Gel®

For EEG applications and more, the innovative OneStep EEG-Gel® and OneStep AbrasivPlus combines the typical two step approach of skin preparation and conductivity gel application into a single step. Besides the convenience of a one step process, the optimal conductivity to the electrodes is achieved using the OneStep EEG-Gel® and the OneStep AbrasivPlus. Tube 120g.



Type	Part Number
OneStep EEG-Gel®	10.100
OneStep AbrasivPlus	10.200

### Electro-Caps

Electro-Caps are an EEG electrode application technique. They are made of an elastic spandex-type fabric with recessed, pure tin electrodes attached to the fabric. The electrodes on the standard caps are positioned to the international 10-20 method of electrode placement.



Infra-Caps are similar to the regular Electro-Caps. These caps will fit newborn infants to babies about the ages of 6 to 12 months. Infra-Cap I has international 10-20 electrode placements. Standard Infra-caps II and III have abbreviated electrode placements consisting of F1, F2, C3, C4, O1, O2, T3, T4, Cz and ground.





### Supplies



#### EP1 Evoked Potential Electro-Cap

Evoked potential caps are available in all sizes. Standard electrode placements are C3',Cz',C4',O1,Oz,O2 and ground.



#### E2S Electrode Board Adaptor

The Electrode Board Adaptor converts the EEG instruments from individual electrodes to the Electro-Cap. Each wire and phone tip is color coded for easy identification. Once the EBA is plugged into the machine, a single plug connects the appropriate cap. Touchproof.



#### E3-L Body Harness E3-M Body Harness E3-S Body Harness

An adjustable elastic band that fastens around the patient's chest with Velcro. Cap straps attach the cap to the body harness. Proper use of the body harness will hold the cap securely in place reducing the possibility of movement artefact and high impedances.



#### E4S Quick Insert Electrode

A temporary electrode which will override the cap wiring in the event of a faulty electrode during a test. A Quick Insert Electrode may be placed into the mount of the faulty electrode and connected directly to the EEG machine until the cap can be properly repaired. Touchproof.



#### E5-9S Ear Electrode E5-6S Ear Electrode

A pair of pure tin cup electrodes with a 122 cm TP lead wire. A spring-clip back, covered with plastic for patient comfort, is used to hold the electrode in place.



#### E6 Disposable Sponge disks

Foam circles with adhesive backing used on the forehead or any other hairless areas. They keep the ECI Electro-gel from spreading between the electrodes and absorb perspiration. It is recommended the disks to be placed on FP1 and FP2 to prevent the cap from moving up on the forehead. Sponge disks are effectively used on infants due to the tenderness of the scalp and may assist in fitting the caps properly.

# Electro-Cap

## Systems & Accessories



### E7 Needle/Syringe kit

Kit includes 1 5cc syringe and 2 16g Special Blunted Needles



### E9 ECI Electro-gel (450g) E10 ECI Electro-gel (900g) E11 ECI Electro-gel (3600g)

ECI Electro-gel has been specifically formulated for use with Electro-Cap products.



### E12 Special Head Measuring tape

Special color-coded Head Measuring tape used to determine proper cap size quickly and effectively. Color-coding coincides with cap color. Proper cap size is vital for assuring accurate electrode placement and prolonging cap life.



### E13-L Cap straps – for large and medium caps E13-S Cap straps – for small or extra small caps

Replacement straps with buckles and snaps. Used to hold the caps securely in place by attaching to cap and body harness.



### E16 Ivory® Liquid Detergent (340g)

Recommended for washing Electro-Caps.



### E21-9S Disk Electrode Standard 9mm cup E21-6S Disk Electrode Infant 6mm cup

A pure tin cup electrode with 122cm TP lead wire.



### E23-5 Chin straps E23-7 Chin straps

Used as an alternative to the E3 Body harness for situations such as ICU and ER. Effective with combative patients and those who feel restrained by the Body Harness. Straps secure the cap by fastening under the patient's chin with velcro.

### Electro-Cap Systems



#### Electro-Cap System 1

Medium Cap  
Electrode Board Adaptor  
Body Harness (M)  
Ear electrodes  
Quick insert electrode  
Disposable sponge disks

Needle/Syringe kit  
Electro-gel (E9)  
Special Head Measuring tape  
Ivory Liquid  
Instruction Manual



#### Electro-Cap System II

Large Cap  
Medium Cap  
Electrode Board Adaptor  
Body Harness (M)  
Quick insert electrode (2x)  
Ear electrodes (2x)

Disposable sponge disks  
Needle/Syringe kit (2x)  
Electro-gel (E9) (2x)  
Special Head Measuring tape  
Ivory Liquid  
Instruction Manual



#### Electro-Cap System III

Large Cap  
Medium Cap  
Small Cap  
Electrode Board Adaptor  
Body Harness (M - S)  
Quick insert electrode (4x)  
Ear electrodes (2x)

Disposable sponge disks (2x)  
Needle/Syringe kit (4x)  
Electro-gel (E9) (3x)  
Special Head Measuring tape  
Ivory Liquid  
Instruction Manual



#### Infant Electro-Cap System

Infa-Cap I  
Infa-Cap II  
Infa-Cap III

Infa-Body Harness  
Infa-Head measuring Tape  
Skin Prep pads

#### Cleaning and sterilisation instructions for Electro-Cap systems :

We advise to clean the Caps first in a Biotex bath and sterilise them afterwards with Metricide (Metrex) formerly known as Sporicidin. With a soaktime of 10 hours at 25°C it is an effective product against the HIV and HBV virus. For use as a disinfectant a soaktime of 90 min. at 25 °C is enough. Another possible method of sterilisation is gassterilisation.

# Brainwave Cap

## Systems & Accessories

### BrainWave Cap

#### The benefits of the BrainWave Cap

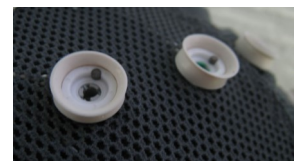
- No tangling cables inside or outside the cap that can get in the way
- Low profile electrodes with soft rings to offer maximum comfort
- Each electrode individually labeled with position name (Fp1, Fz, Fp2, GND, etc)
- Predetermined, precise electrode positions, eliminating need to mark patients head and assure accurate fast cap placement.
- Recording can start in only a few minutes even with minimum patient preparation
- Cap made of durable breathing fabric with adjustable front and back elastic straps to "fine-tune" fit.
- Layouts according international standards (10-20, 10-10) or on request customized
- Easy connection to EEG device with Electrode Board Adaptor
- Filling electrodes with conductive gel from the outside with blunt needle
- Simple cleaning and maintenance.

#### Technical features

- DC stable, sintered Ag/AgCl electrodes for long term recordings, re-chlorination not required.
- Caps with shielded and unshielded cables available.

#### BrainWave cap sizes

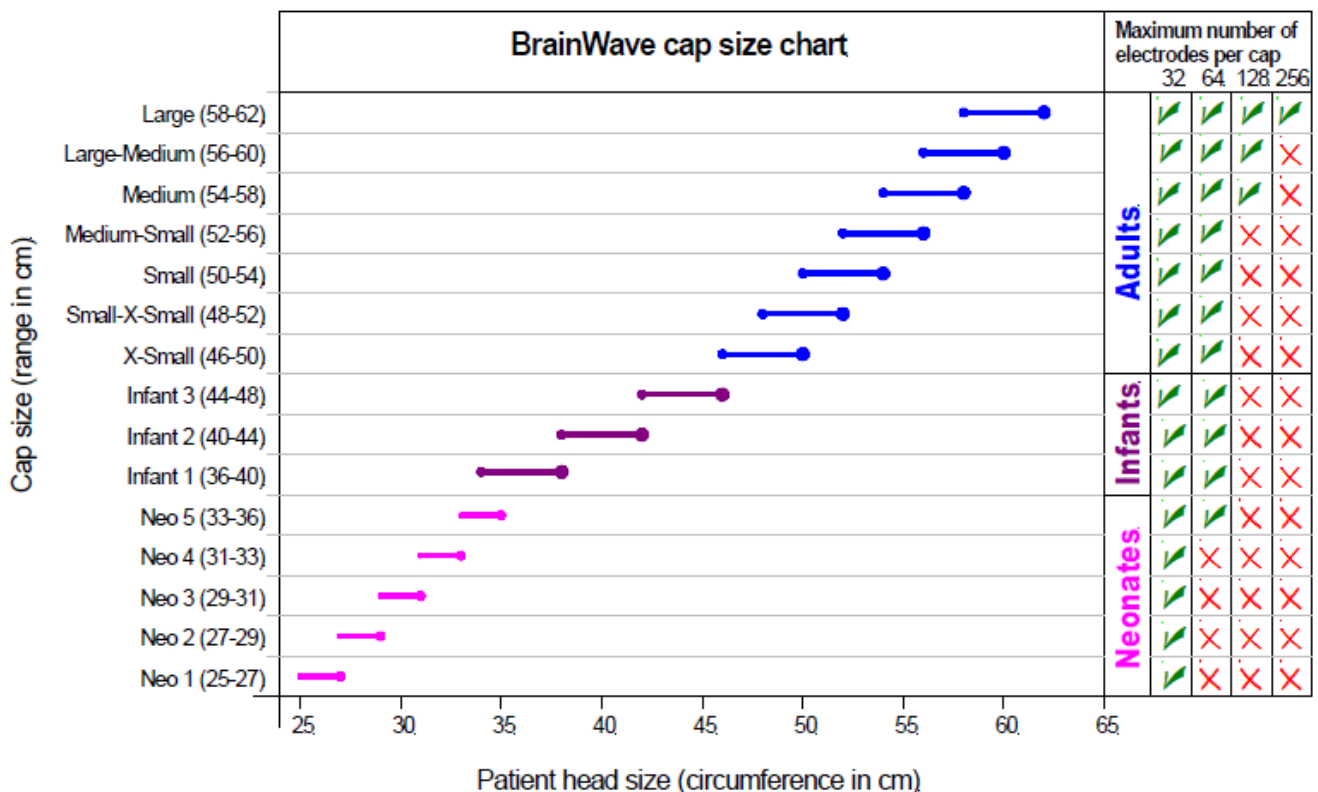
Determine the required cap size by measuring the head circumference and look at the size chart (below) to see what size BrainWave cap you require.



Inside cap



Outside cap



# Other Accessories

## Adaptors

### Reusable Electrode Linkers/Jumpers

Used to combine two electrodes to one connector on a headbox or one electrode to two headbox ports.

Type	Length	Part Number
Electrode Jumper	3pcs 15cm	102108



Type	Length	Part Number
Jumper/linker	8 cm	1451020



Type	Length	Part Number
Jumper/linker	10 cm	019-420100



### Reusable extension cables—6 pack

Reusable touchproof extension cables. Available in 2 lead lengths and 6 colours (green, blue, yellow, pink, purple and grey). Ideal for use when longer electrode cables are needed during sleep studies. 6 per pack. High-quality adaptors for PIN and DIN equipment. Female to male adaptor should be fixed in headbox and remain there permanently to allow use of DIN electrodes in older system headboxes.

Type	Length	Qty	Part Number
Extension cables	1.0m	6/pkg	019-431500
Extension cables	2.0m	6/pkg	019-401100

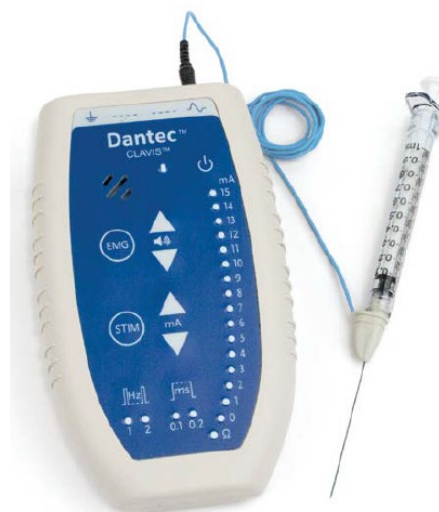


### Handheld device for EMG/STIM-guided injections Dantec® Clavis™

Fast and easy pathway for injection of medicinal products.

- EMG and STIM functions in one compact device
- Easy to use and operate
- Battery powered
- Perfect match with Bo-Ject DHN needle electrodes

Type	Part Number
Dantec Clavis	9015A0012





# Our Main NeuroCare Partners



**EMG/EP**

**EEG Electro-encephalography**

**Intra-Operative monitoring**

**Transcranial Doppler**

**Supplies & Accessories**

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## **magstim**<sup>®</sup> Pioneers in nerve stimulation and monitoring



**Our NeuroCare salesteam will be glad to provide you more information on our products and accessories.**

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