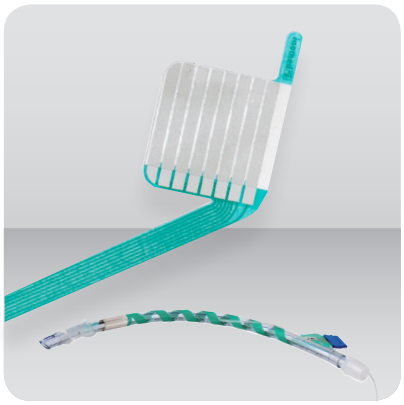
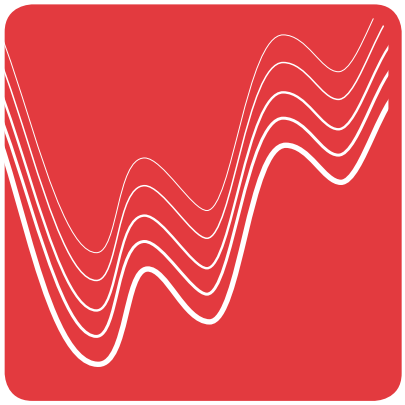
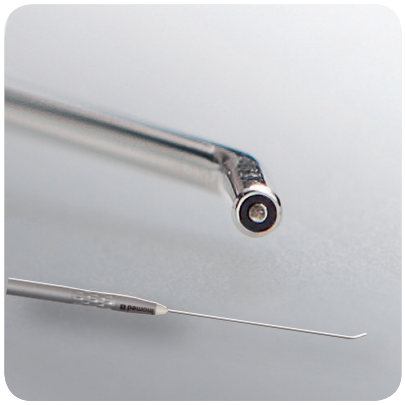
inomed

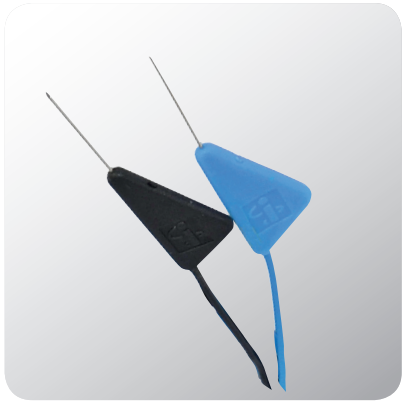
Intraoperative Neuromonitoring
Functional Neurosurgery
Pain Treatment
Neurological Diagnostics

IOM Accessories



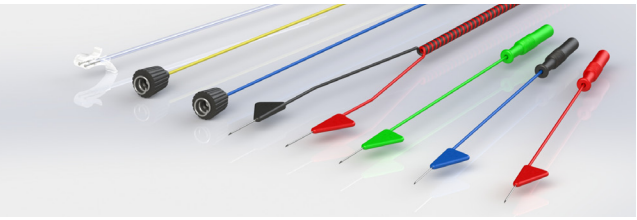






Catalogue for Intraoperative Neuromonitoring Accessories

electrodes
probes
new accessories
application examples



» Innovations and Bestsellers

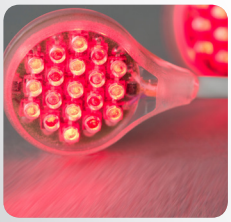
» Trigon Electrodes › page 5

› Flat handhold Trigon shape minimizes pressure marks
› 30° angle enables easy accurate placement
› 10 different color pairs / 4 different lengths
› Twisted cables for better signal quality in different needle lengths

» Mapping Suction Probe › page 31

INDUSTRIE PREIS 2016
KATEGORIESIEGER

› Subcortical mapping with synchronous suction
› Simplified maximal tumor removal
› No change of instruments during procedure



» LED flash goggles › page 55

› New small LED Pads enable easy fixation
› Flexible positioning of LED Pads over the closed eye – fixation only with standard tape
› Small LED Pads also suitable for children
› Thin cables for flexible handling in difficult OR situations
› Standard touchproof connectors for various systems

» delta-Electrode › page 20

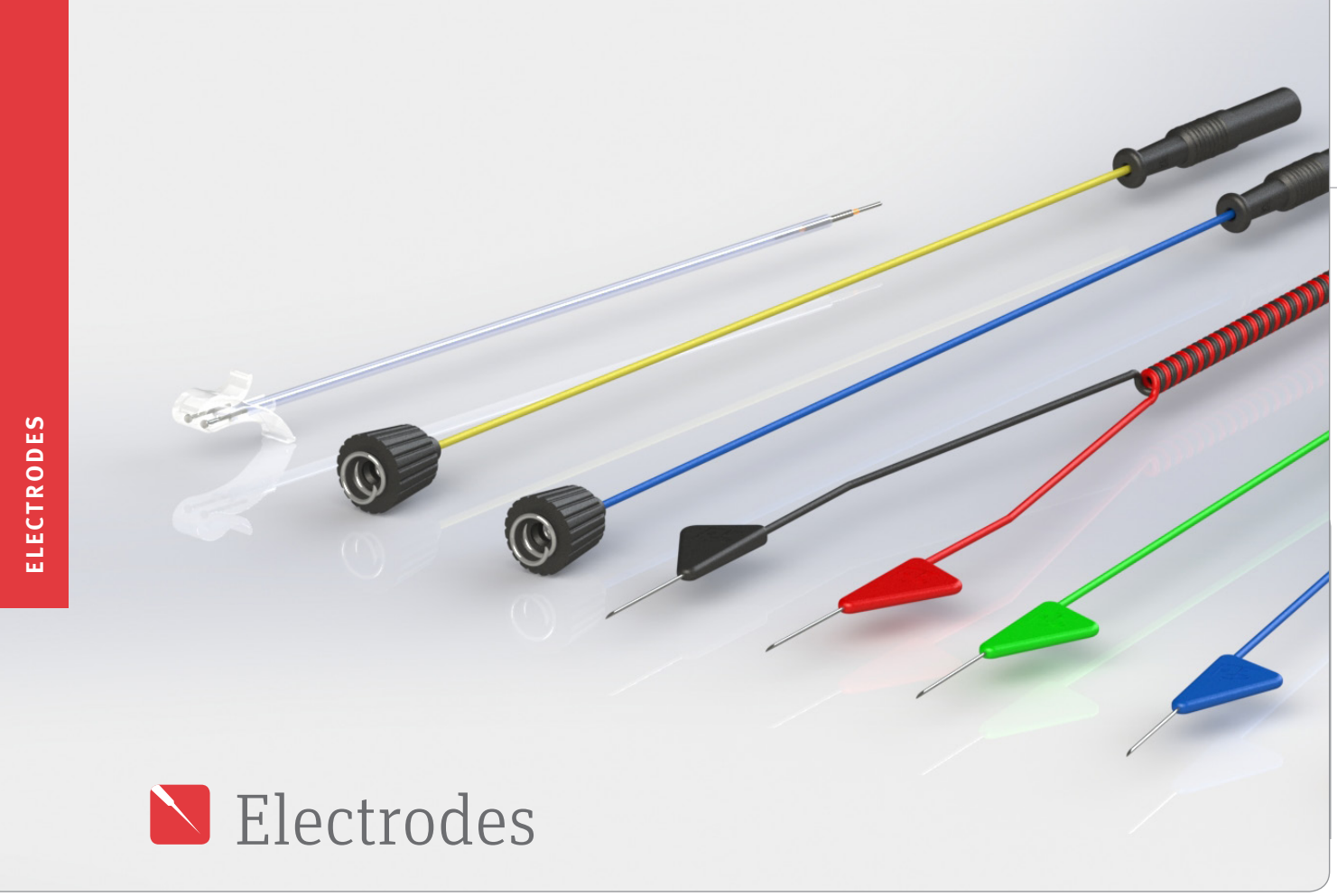
› Special electrical and mechanical design enables stable and reliable continuous vagus monitoring
› Easy positioning and secure removal from the vagus nerve thanks to an optimized shape and elasticity of the electrode body

» Laryngeal Electrode Select › page 18

› Intuitive placement on the tube thanks to a defined interval to the balloon
› Laryngeal Electrode Select with torsion protection delivers safe signals
› Signal stability due to multiple channel recording

» pIOM Set › page 48

› All accessories in one set – also available for non-invasive recording
› Intuitive short instruction in package for easy handling
› Pioneer in pelvic monitoring - more than twelve years of research: improved patient safety and quality of life thanks to neuromonitoring of autonomic nerves!



Electrodes

ELECTRODES FOR STIMULATION AND RECORDING

1 | Disposable Electrodes

https://shop.inomed.com

Subdermal Needle Electrodes (SDN electrodes) allow an easy and reliable recording of EMG signals.
For different applications inomed Medizintechnik GmbH offers a variety of electrodes in different shapes and lengths.

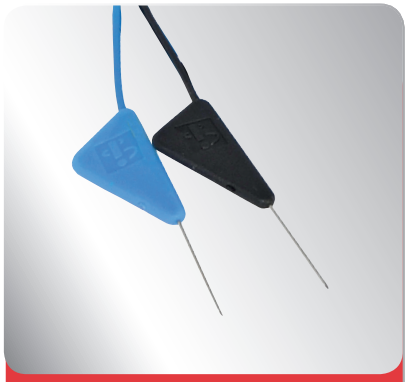
The SDN electrodes have a 1.5 mm touchproof connector.
The electrodes are sterilized with ETO and for single use only.

1.1
Subdermal Needle Electrodes (SDN Electrodes)
1.1.1
SDN Electrodes Trigon

SDN Electrode **Trigon**

Ø = 0.45 mm
single use only,
ETO-sterilized
Unit 10

Art.-No.	mm		
532 621	15 mm	1.0 m	
532 622	15 mm	1.0 m	
532 623	15 mm	1.0 m	
532 624	15 mm	1.0 m	
532 626	15 mm	1.0 m	
532 627	15 mm	1.0 m	
532 628	15 mm	1.0 m	
532 629	15 mm	1.0 m	
532 625	15 mm	1.0 m	
532 651	20 mm	1.5 m	
532 653	20 mm	3.0 m	



SDN Electrodes **Trigon**

Ø = 0.45 mm
single use only,
ETO-sterilized
Unit 10

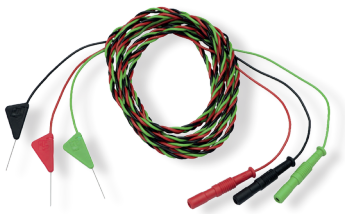
Art.-No.	mm		
532 631	15 mm	1.0 m	
532 633	15 mm	1.0 m	
532 634	15 mm	1.0 m	
532 638	15 mm	1.0 m	
532 636	15 mm	1.5 m	
532 637	15 mm	2.0 m	
532 656	20 mm	1.5 m	
532 657	20 mm	2.0 m	
532 671	30 mm	2.0 m	
532 675	40 mm	2.0 m	

1 | Disposable Electrodes

1.1
Subdermal Needle Electrodes (SDN Electrodes)
1.1.1
SDN Electrodes Trigon

SDN Electrodes **trio Trigon**

Ø = 0.45 mm
single use only,
ETO-sterilized
Unit 10

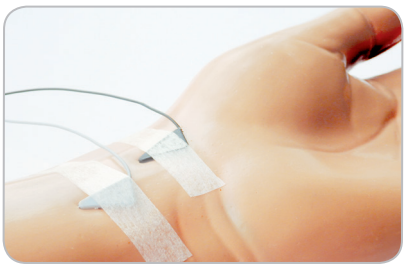


Art.-No.	mm		
532 641	15 mm	1.5 m	
532 661	20 mm	1.5 m	

SDN Electrodes **Trigon SET**

Ø = 0.45 mm
single use only, ETO-sterilized
10 colourful electrode pairs

Art.-No.	mm		
532 646	15 mm	2.0 m	
532 666	20 mm	2.0 m	



1.1.2
SDN Electrodes Slimline

SDN Electrode **Slimline**

Ø = 0.45 mm
single use only,
ETO-sterilized
Unit 10

Art.-No.	mm		
533 621	15 mm	1.0 m	
533 622	15 mm	1.0 m	
533 623	15 mm	1.0 m	
533 624	15 mm	1.0 m	
533 626	15 mm	1.0 m	
533 627	15 mm	1.0 m	
533 628	15 mm	1.0 m	
533 629	15 mm	1.0 m	
533 625	15 mm	1.0 m	
533 651	20 mm	1.5 m	
533 653	20 mm	3.0 m	

SDN Electrodes **Slimline**

Ø = 0.45 mm
single use only,
ETO-sterilized
Unit 10

Art.-No.	mm		
533 631	15 mm	1.0 m	
533 633	15 mm	1.0 m	
533 634	15 mm	1.0 m	
533 638	15 mm	1.0 m	
533 636	15 mm	1.5 m	
533 637	15 mm	2.0 m	
533 656	20 mm	1.5 m	
533 657	20 mm	2.0 m	
533 671	30 mm	2.0 m	
533 675	40 mm	2.0 m	

Sets › next page

SDN Electrodes **Slimline trio**

Ø = 0.45 mm
single use only,
ETO-sterilized
Unit 10

Art.-No.	mm		
533 641	15 mm	1.5 m	
533 661	20 mm	1.5 m	

1 | Disposable Electrodes

1.1
Subdermal Needle Electrodes (SDN Electrodes)

SDN Electrodes Slimline SETs

SDN Electrodes **Slimline SET**

Ø = 0.45 mm
single use only,
ETO-sterilized
10 colourful electrode pairs

Art.-No.	mm		
533 646	15 mm	2.0 m	
533 666	20 mm	2.0 m	

1.1.3
SDN Hooked Electrodes

SDN Hooked Electrodes SET

Ø = 0.45 mm, 35°
single use only,
ETO-sterilized
10 colourful electrode pairs

Art.-No.	mm		
532 730	30 mm	1.5 m	

1.1.4
SDN Pediatric Electrodes

SDN Pediatric Electrodes

Ø = 0.35 mm
single use only,
ETO-sterilized
Unit 10

Art.-No.	mm	
532 720	6 mm	1.5 m

SDN Pediatric Electrodes

Ø = 0.35 mm
90° angled,
needle isolated,
3 mm blunt tip,
single use only
Unit 10

Art.-No.	mm	
532 722	12 mm	1.5 m

1 | Disposable Electrodes

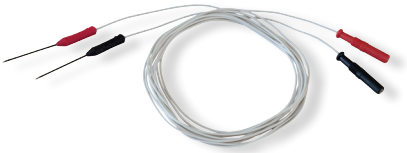
1.1
Subdermal Needle Electrodes (SDN Electrodes)

1.1.5
Isolated SDN Electrodes

Isolated SDN Electrodes

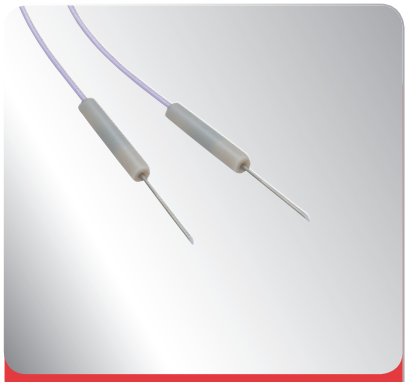
needle isolated,
Ø = 0.45 mm,
2 mm blunt tip,
single use only,
ETO-sterilized
Unit 10

Art.-No.	mm		
530 682	15 mm	1.2 m	◐
530 683	15 mm	2.0 m	◐



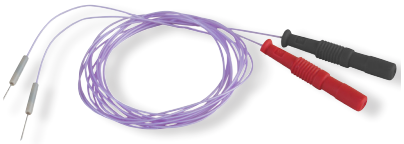
530 680	25 mm	1.2 m	◐

1.1.6
SDN Electrodes for Cranial Nerves



SDN Electrodes for Cranial Nerves

for Hypoglossal Nerve /
Glossopharyngeal Nerve /
Vagus Nerve
needle Ø = 0.45 mm,
for application with
Vocalis Electrode Applicator,
single use only, ETO-sterilized
Unit 10



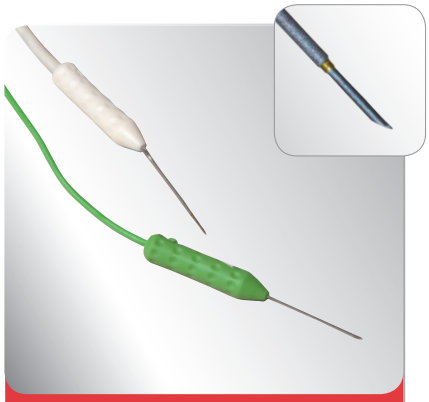
Art.-No.	mm		
532 609	9 mm	1.5 m	○○
532 610	9 mm	1.5 m	●●
532 611	9 mm	1.5 m	●●

Vocalis Electrode Applicator

for 9 mm needles, with handle
(532 609, 532 610, 532 611),
delivered non-sterile, autoclavable
Unit 1

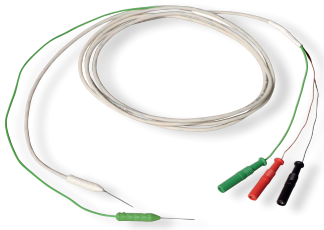
Art.-No.
530 121

https://shop.inomed.com



Electrode for Vocal Musle, bipolar

for Vagus / Recurrent Nerve
with neutral electrode, 30° angled,
single use only, ETO-sterilized
Unit 10



Art.-No.	mm		
530 666	15 mm	1.5 m	

SDN Electrodes for Cranial Nerves

for Trigeminal Nerve / Accessory Nerve
90° angled, isolated, 3 mm active tip,
needle Ø = 0.45 mm,
single use only, ETO-sterilized
Unit 10

Art.-No.	mm		
530 607	20 mm	1.2 m	

Oculomotor Electrode, bipolar

for Oculomotor Nerve / Trochlear
Nerve / Abducens Nerve
single use only, ETO-sterilized
Unit 5

Art.-No.	mm		
532 711	20 mm	1.5 m	
532 710	30 mm	1.5 m	

1 | Disposable Electrodes

1.1
Subdermal Needle Electrodes (SDN Electrodes)
1.1.7
Corkscrew Electrodes

Corkscrew Electrode SET

10 sterile sets
with each 6 electrodes,
single use only,
ETO-sterilized

Art.-No.	mm		
530 750	0.6 mm	1.0 m	
530 751	0.6 mm	1.5 m	

EP Cap

helping tool for 10-20-system
single use only,
ETO-sterilized
10 sterile sets

Art.-No.
530 770

Grid/ Strip Electrodes are available in various models with 4, 6 or 8 contacts per strip and a different number of strips. For all grid/strip electrodes the following features are applied:

Up to 30 days implantable
Contact: Platinum / Iridium
MRI-compatible
Diameter = 2.5 mm, interval = 10 mm
Contact strip: 0.7 mm thin, 10 mm wide
Single use only, ETO-sterilized

1.2 Grid/Strip Electrodes

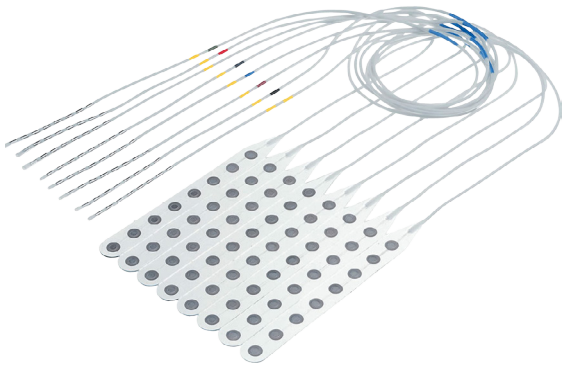
1.2.1 Electrodes

Grid/Strip Electrodes

1.2.2 Electrode Cables

Grid Electrode Cable

For the connection of the grid electrodes to the different systems a respective adaptor cable is necessary.



Art.-No.	
610 110	90 cm
610 115	300 cm

Number of contacts per strip	1 Strip	2 Strip	3 Strips	4 Strips	5 Strips	6 Strips	7 Strips	8 Strips
4	610 014	610 024	610 034	610 044	610 054	610 064	610 074	610 084
6	610 016	610 026	610 036	610 046	610 056	610 066	610 076	610 086
8	610 018	610 028	610 038	610 048	610 058	610 068	610 078	610 088
Cable holder Art. no. 610 099 inclusive	1 Piece	2 Piece	3 Piece	4 Piece	5 Piece	6 Piece	7 Piece	8 Piece
Grid electrode cable Art. no. 610 110 or 610 115	1 Piece	1 Piece	2 Piece	2 Piece	3 Piece	3 Piece	4 Piece	4 Piece

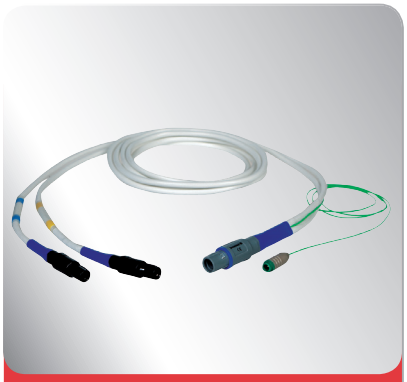
1 | Disposable Electrodes

For the different models of electrodes a variety of adaptor cables with different amounts of contacts are available.

Adaptor cable	Redel connector Art. no.	Touchproof connector Art. no.
1 x 4 contacts	540 308	610 131
1 x 6 contacts	540 308	610 132
1 x 8 contacts	540 308	610 133
2 x 4 contacts	540 304	610 135
2 x 6 contacts	540 316	610 136
2 x 8 contacts	540 316	610 137

The adaptor cable with redel connector can exclusively be used to connect to inomed devices. Adaptor cables with touchproof connectors can also be connected to devices of other manufacturers.

1.2
Grid/Strip Electrodes
1.2.3
Adaptor Cables



Grid Extension Cable

with Redel connector
delivered non-sterile,
autoclavable
Unit 1

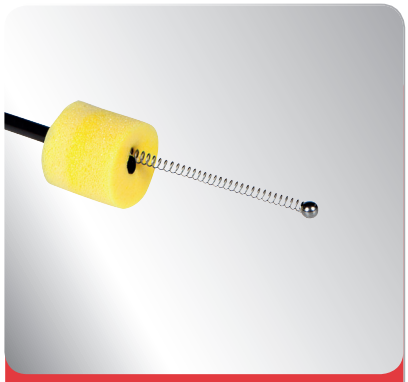
Art.-No.		max. Channels
540 304	2.0 m	2 x 4
540 308	2.0 m	1 x 8
540 316	2.0 m	2 x 8

Adaptor Cable

with 1.5 mm
touchproof connector
delivered non-sterile,
autoclavable
Unit 1

Art.-No.		max. Channels
610 131	0.3 m	1 x 4
610 132	0.3 m	1 x 6
610 133	0.3 m	1 x 8
610 135	0.3 m	2 x 4
610 136	0.3 m	2 x 6
610 137	0.3 m	2 x 8

1.3
Electrodes for AEP near-field Potentials



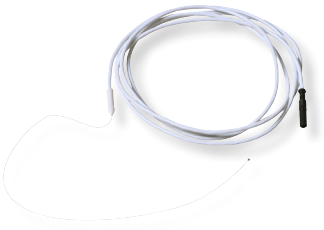
Tympanon Electrode

for recording of AEP nearfield potentials on the tympanon
spring = 30 mm,
Ø ball = 3 mm,
with 1.5 mm touchproof connector,
delivered non-sterile, single use only
Unit 1

Art.-No.		
530 453	1.5 m	●

Ball Electrode

for recording of near-field potentials at the cochlear nerve
Ø ball = 1,6 mm,
with 1.5 mm touchproof connector,
single use only, ETO-sterilized
Unit 5



Art.-No.		
530 455	1.5 m	●

1.4
Electrode for Spinal Application

FSR02 Electrode

flexible 2-pole recording and stimulation electrode for cortico-spinal and other applications
2 contacts,
depth marks up to 30 cm in 1 cm intervals,
single use only, ETO-sterilized
Unit 5

Art.-No.	mm		
530 684	9 mm	2.0 m	◐

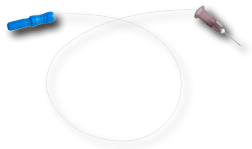
1 | Disposable Electrodes

1.5
Hook Wire Electrodes

Hook Wire Electrode

with 1.5 mm touchproof connector,
needle Ø = 0.6 mm,
single use only, ETO-sterilized
Unit 6

Art.-No.	mm	
530 602	13 mm	40 cm



Paired Hook Wire Electrodes

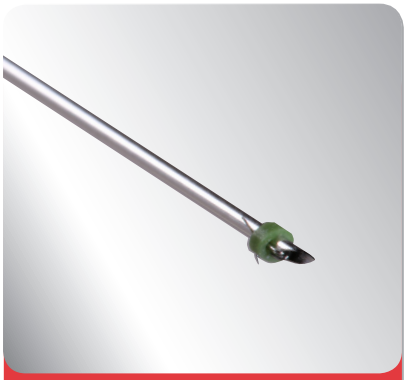
with 1.5 mm touchproof connector,
needle Ø = 0.6 mm,
single use only, ETO-sterilized
Unit 5

Art.-No.	mm	
530 603	30 mm	40 cm

Adapter cable

Art.-No.	
520 036	1.5 m

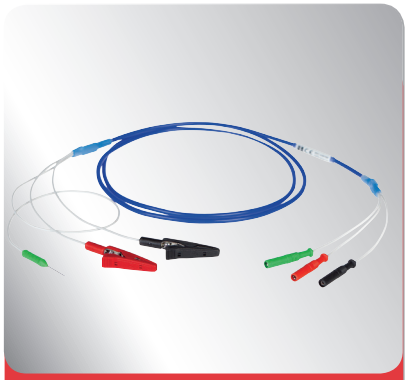
1.5 mm connector black to
1.5 mm safety connector black,
delivered non-sterile, autoclavable
Unit 1



Paired Hook Wire Electrode

Ø = 0.07 mm, L = 30 cm,
packed in pair in cannula tube,
single use only, ETO-sterilized
only in combination with
Hook Wire Applicator.
Unit 10

Art.-No.	mm
530 600	2.5 mm



Hook Wire Electrode recording cable

with mini clamps and neutral electrode,
needle Ø = 0.45 mm,
with 1.5 mm touchproof
delivered non-sterile,
autoclavable
Unit 1

Art.-No.	mm	
530 106	15 mm	1.2 m

Hook Wire Applicator **curved**

for placement of the Hook Wire
Electrodes at the sitting patient,
only applicable in combination with
flexible guide tube 530 102,
delivered non-sterile, autoclavable
Unit 1

Art.-No.
530 101

Hook Wire Applicator **straight**

for intraoperative use and
placement of Hook Wire Electrodes
at the intubated patient,
only applicable in combination with
flexible guide tube 530 102,
delivered non-sterile, autoclavable
Unit 1

Art.-No.
530 103

Flexible guide tube

Art.-No.
530 102

for Hook Wire Applicator,
delivered non-sterile,
autoclavable
Unit 1

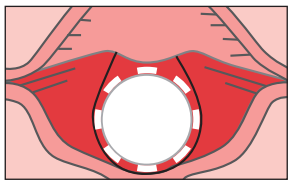
1.6
Laryngeal Electrodes
Laryngeal Electrode Select

Laryngeal Electrode Select

4 channels,
with adhesive neutral electrode,
single use only,
ETO-sterilized
Unit 10

Art.-No.	adhesive surface (Length x Width)	electrode surface	for ID
530 855	32 x 29.7 mm	685 mm²	6 - 7 mm
530 856	37.6 x 37 mm	1057 mm²	7 - 9 mm

›› Placement has been made easier



ADVANTAGES of the 4 channel Laryngeal Electrode Select

›› Reliable signal recording resulting from the 360 degree sensor surface with eight electrode contacts

›› Signal stability due to multiple channel recording and the automatic signal selection by the Select Software

›› Extended recording surface allows easy placement at the vocal cords

›› Unique design for a wide range and size of ET tubes

Connecting Cable Touchproof

shielded for laryngeal electrodes,
2 channels differential with ground,
5 x 1.5 mm touchproof connector,
delivered non-sterile,
disinfectable
Unit 1

Art.-No.	
530 869	4.0 m

Connecting Cable

Nr. 2

shielded for laryngeal electrodes,
4 channel differential with ground,
Redel connector,
bend protection blue,
delivered non-sterile, disinfectable
Unit 1

Art.-No.	
530 867	4.0 m

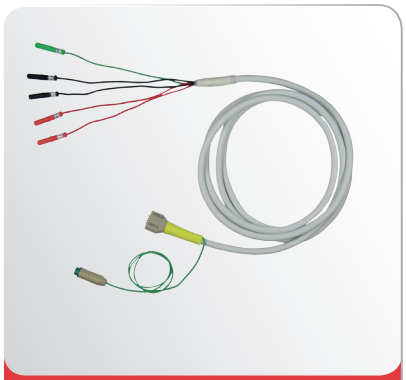
https://shop.inomed.com/en/Accessories/Accessories-IONM/Other-accessories-IONM/Connection-cable-for-adhesive-laryngeal-electrode-Select-inomed.html?listtype=search&searchparam=530867

Laryngeal Electrode

Laryngeal Electrode

2 channels,
with adhesive neutral electrode,
single use only,
ETO-sterilized
Unit 10

Art.-No.	adhesive surface (Length x Width)	electrode surface	for ID
530 655	32 x 29 mm	240 mm²	6 - 7 mm
530 656	32 x 37 mm	433.5 mm²	7 - 9 mm



Connecting Cable Touchproof

shielded for laryngeal electrodes,
2 channels differential with ground,
5 x 1.5 touchproof connector,
bend protection yellow,
delivered non-sterile, disinfectable
Unit 1

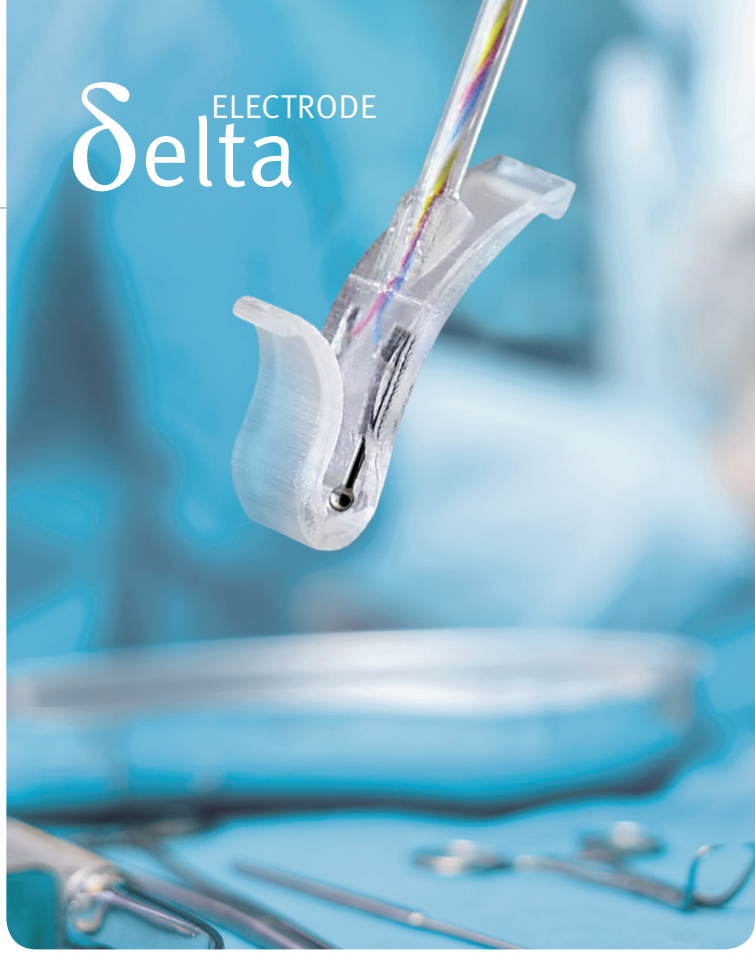
Art.-No.	
530 665	2.0 m

Connecting Cable

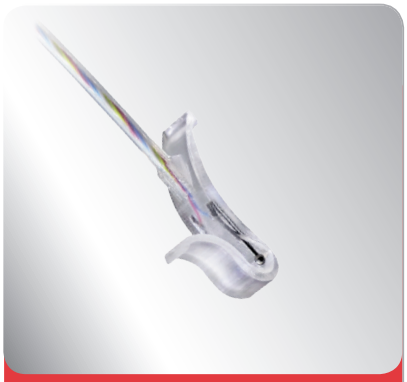
shielded for laryngeal anch electrodes channels differential with ground, Redel connector,
bend protection blue,
delivered non-sterile, disinfectable
Unit 1

Art.-No.	
530 667	4.0 m

1 | Disposable Electrodes

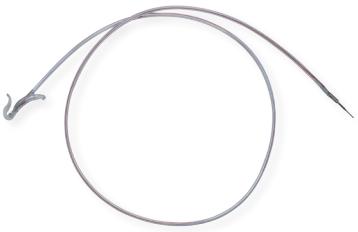


1.7
delta Electrode



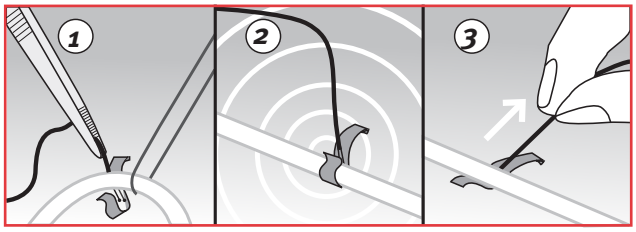
delta Electrode

stimulation electrode
for continuous vagus monitoring,
single use only,
ETO-sterilized
Unit 5



Art.-No.		
522 620		delta Electrode
520 037	4.0 m	Connection cable

delivered non-sterile,
autoclavable
Unit 1



- Easy positioning on the vagus nerve
- Simple and secure application to the vagus nerve ensures a good contact, resulting in a stable signal for continuous monitoring
- Easy removal from the vagus nerve thanks to an optimized shape and the elasticity of the electrode body

1.8

Surface Electrodes

The electrodes are delivered non-sterile and are not autoclavable

Surface Electrode

with snap button 57x34 mm
with gel,
single use only,
delivered non-sterile
Unit 500

Art.-No.
530 677

Surface Electrodes

with snap button 35x22 mm
single use only, delivered non-sterile
Unit 30

Art.-No.
530 690

Surface Electrodes

adhesive, 23x23 mm
with 1.5 mm touchproof connector,
single use only,
delivered non-sterile
Unit 18

Art.-No.		
530 679	1.5 m	

For the surface electrodes with snap button the connecting cable 540 402 is required:

ISIS Headbox recording cable

10 pole with with snap button adaptors black for adhesive surface electrodes, delivered non-sterile, autoclavable
Unit 1

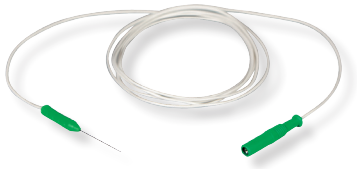
Art.-No.	
540 402	2.0 m

2 | Reusable Electrodes

2.1
Subdermal Needle-Electrodes (SDN Electrodes)

SDN Electrode

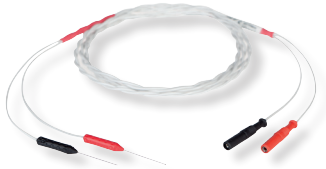
needle Ø = 0.45 mm
delivered non-sterile,
autoclavable
Unit 1



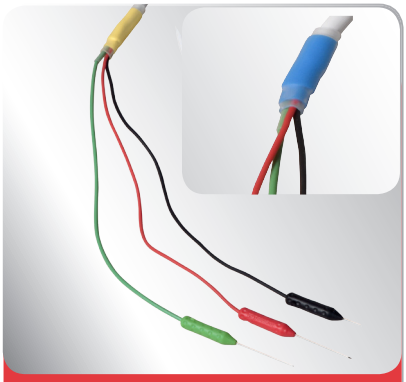
Art.-No.	mm		
520 057	15 mm	1.5 m	
520 059	23 mm	1.5 m	

SDN Electrodes

twisted,
for stimulation or recording,
needle Ø = 0.45 mm
delivered non-sterile,
autoclavable
Unit 1

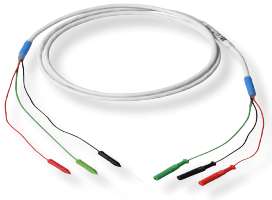


Art.-No.	mm		
530 050	20 mm	1.2 m	



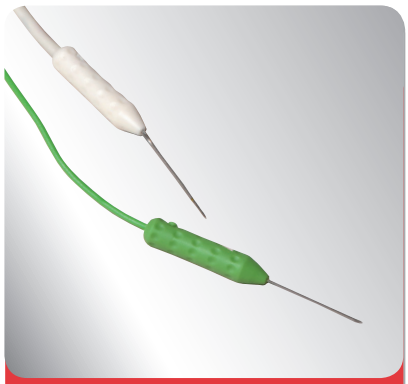
SDN Electrodes trio

needle Ø = 0.45 mm
delivered non-sterile,
autoclavable
Unit 1



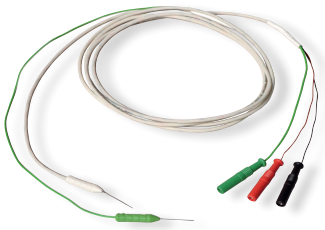
Art.-No.	mm		
530 038	15 mm	1.2 m	
530 039	15 mm	1.2 m	
530 036	20 mm	1.2 m	
530 037	20 mm	1.2 m	

2.2
ECochG Electrodes



Electrode for vocal muscle, bipolar

30° angled,
with neutral electrode
1.5 mm touchproof male connector
delivered non-sterile,
autoclavable
Unit 1



Art.-No.	mm		
530 227	15 mm	1.5 m	
530 228	25 mm	1.5 m	

ECochG Electrode

needle Ø = 0.45 mm,
for intraoperative or diagnostic use,
isolated with trocar tip,
delivered non-sterile,
autoclavable
Unit 1

Art.-No.	mm		
530 406	35 mm	0.6 m	
530 407	45 mm	0.6 m	
530 404	55 mm	0.6 m	

Promontory Test Electrode

needle Ø = 0.9 mm,
isolated shaft,
with active and rounded tip,
delivered non-sterile,
autoclavable
Unit 1

Art.-No.	mm		
530 420	55 mm	0.6 m	

STIMULATION PROBES

3 I Stimulation Probes

https://shop.inomed.com

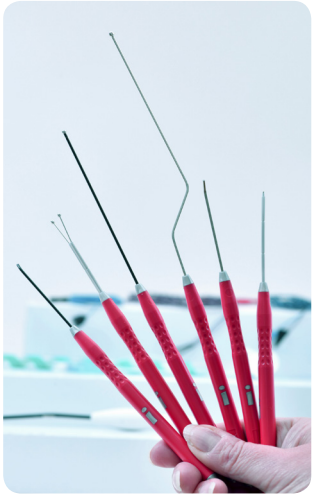
Stimulation probes are hand-held electrodes for intraoperative use.
The probes are used for selective stimulation of nerves and neuronal structures and in some cases for the recording of electrophysiological signals.

BIPOLAR STIMULATION PROBES

Bipolar probes are available in the following forms: bipolar concentric probes, fork and hook probes. In order to accommodate the various application requirements from direct cortical stimulation to stimulation and recording of direct nerve action potentials (NAPs) there are bipolar probes in different shapes. Bipolar probes focus the stimulation current on the area close to the probe tip and can be delivered in a variety of geometries.
The concentric probe has a blunt tip and enables a selective and atraumatic nerve stimulation. The BCS probes (BCS = bipolar concentric stimulation) can be used for stimulation of peripheral and cranial nerves and at the brain stem.

MONOPOLAR STIMULATION PROBES AND SURGICAL INSTRUMENTS

Monopolar probes are used for a sensitive stimulation. The stimulation current flows homogenous through the tissue. They are used for nerve localisation and to outline the nerve pathway.
Monopolar probes have an active electrode (the probe) and a return electrode, which is placed outside the stimulation region. The return electrode can be in the form of a needle electrode or stick-on pad electrodes.
Monopolar stimulation probes are primarily used for motor mapping and peripheral nerve stimulation in spinal surgery and pedicle screw stimulation.



3 | Disposable Stimulation Probes

Disposable stimulation probes are sterilized with ETO and for single use only.

All probes have a cable with 3 m length and 1.5 mm touchproof connector.

3.1
Bipolar Stimulation Probes

BCS Probe angled 30°

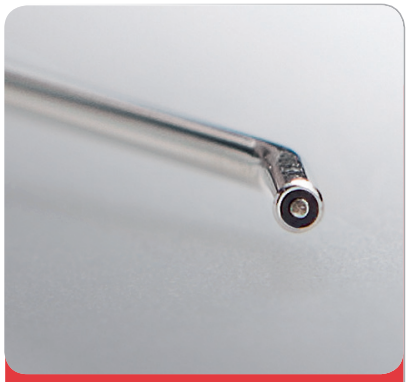
bipolar concentric
Unit 10

Art.-No.	cm	Total Length
522 603	4.5 cm	15.5 cm
522 601	9.0 cm	19.5 cm
522 630	13.0 cm	24 cm

BCS Probe straight

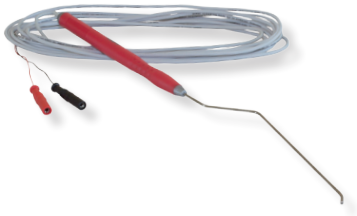
bipolar concentric
Unit 10

Art.-No.	cm	Total Length
522 600	9.0 cm	19.5 cm
522 629	13.0 cm	24 cm

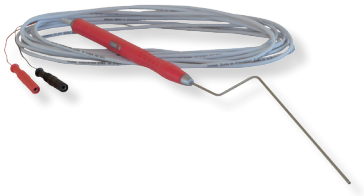


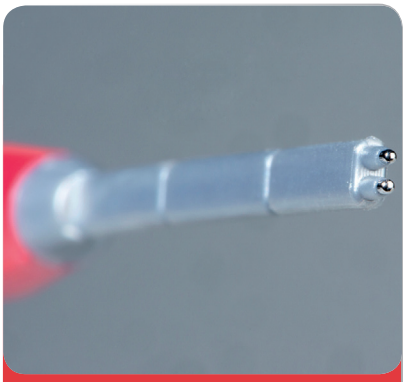
BCS Probe bayonet

bipolar concentric
Unit 10



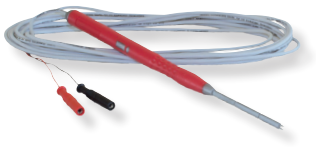
Art.-No.	cm	Total Length	Angled
522 605	13.0 cm	24.0 cm	30°
522 606	13.0 cm	24.0 cm	-





Micro Fork Probe straight

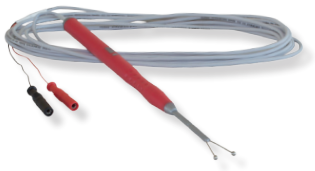
fork distance 2 mm,
fork length 3 mm
Unit 10



Art.-No.	cm	Total Length
522 610	4.5 cm	15.5 cm

Fork Probe straight, ball tip

fork distance 8 mm,
fork length 15 mm,
Ø ball = 2 mm
Unit 10



Art.-No.	cm	Total Length
522 624	4.5 cm	15.5 cm

3 | Disposable Stimulation Probes

Stimulation Probe bipolar

angled 20°
for subcortical stimulation according to Prof. Galanda with 2 contacts, Ø = 2 mm, contact length 2 mm
Unit 10

Art.-No.	Total Length
522 618	9.0 cm / 20.0 cm

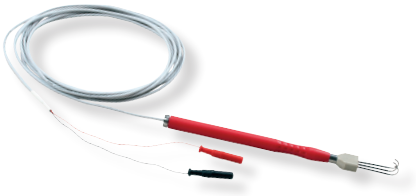
Hook Probe bipolar, straight

hook distance 5 mm
Unit 10

Art.-No.	Total Length
522 625	2.2 cm / 13.2 cm

Hook Probe tripolar, straight

hook distance 2.1 mm
Unit 10



Art.-No.	Total Length
522 626	2.5 cm / 13.2 cm

3.2
Monopolar Stimulation Probes

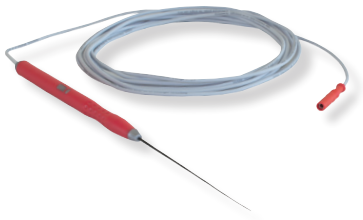
Stimulation Probe angled 30°

active tip = 2 mm,
with SDN counter electrode,
20 mm / 3 m black,
Unit 10

Art.-No.	cm	Total Length
525 603	4.5 cm	16.0 cm
525 600	9.0 cm	20.0 cm

Stimulation probe straight, flexible

Ø = 1,4 mm,
Ø active tip = 0.4 mm,
with SDN counter electrode,
20 mm / 3 m black
Unit 10

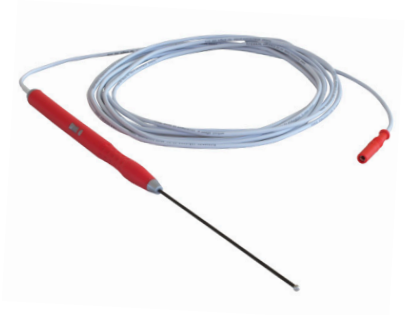


Art.-No.	cm	Total Length
525 608	8.5 cm	19.5 cm

3 | Disposable Stimulation Probes

Stimulation Probe monopolar, straight

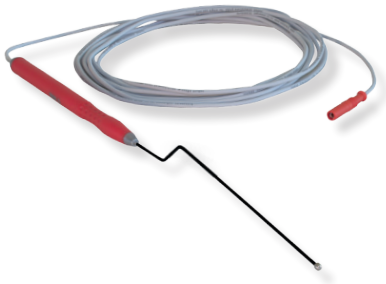
ball tip
Ø ball = 2.3 mm
with SDN counter electrode,
20 mm / 3 m black
Unit 10



Art.-No.	Total Length
525 616	8.5 cm / 19.5 cm

Stimulation Probe bayonet

ball tip
Ø ball = 2.5 mm,
with SDN counter electrode,
20 mm / 3 m black
Unit 10



Art.-No.	Total Length
525 615	13.0 cm / 24.5 cm

Surgical Instrument Raspatory

angled 30°
active tip = 6 mm,
with SDN counter electrode,
20 mm / 3 m black
Unit 10

Art.-No.	Total Length
525 612	8.5 cm / 19.5 cm

3.3
Mapping Suction Probe by Raabe

INDUSTRIE PREIS 2016
KATEGORIESIEGER

NEW: Mapping Suction Probe by Raabe

An all-in-one disposable surgical suction tube and stimulation probe

›› Subcortical mapping with synchronous suction

The combination of a surgical suction tube and a stimulation probe allows suction during tumor resection and also enables the **simultaneous continuous dynamic mapping of the corticospinal tract**.

›› Simplified maximal tumor resection

Complicated instrument change from suction to stimulation is not necessary. Use of the Mapping Suction Probe makes it possible to achieve **maximal tumor removal** minimizing the possibility of damage to the corticospinal tract.

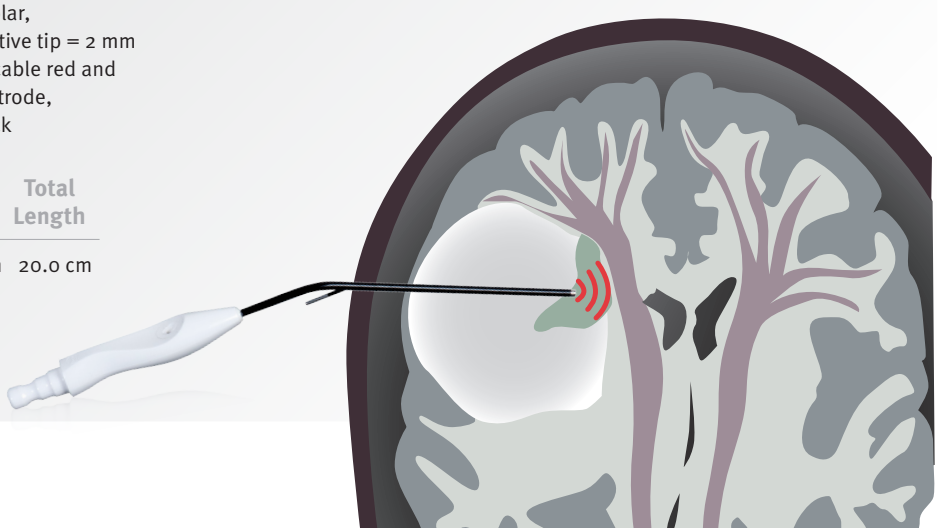
›› No change of instruments during the procedure

The package includes the single-use Mapping Suction Probe, a reference electrode and a connection cable to the electrical stimulator. The Mapping Suction Probe can be **connected to commonly used suction devices**.

The use and settings for the inomed Mapping Suction Probe are the same as the setting used for a standard monopolar stimulation probe. There is no difference in settings but all the advantages of combined suction and stimulation from a single device.

Mapping Suction Probe by Raabe
120 mm, monopolar,
isolated shaft, active tip = 2 mm
with connecting cable red and
SDN counter electrode,
20 mm / 3 m black

Art.-No.	Total Length
525 650	12.0 cm 20.0 cm



4 | Reusable Stimulation Probes

The reusable Stimulation Probes are autoclavable and are delivered non-sterile.

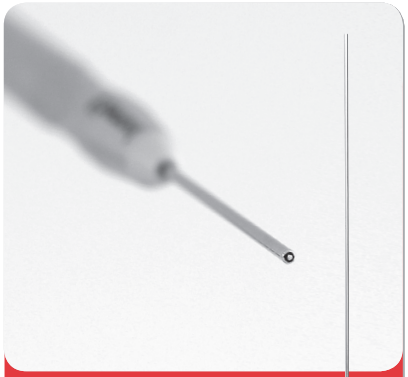
For the connection of the bipolar Stimulation probes to the stimulator, a stimulation cable art. no. 520 024 or 520 027 (chapter 4.4) is necessary.

4.1
Bipolar Stimulation Probes
4.1.1
Straight bipolar concentric Stimulation Probes (BCS probes)

BCS Probe, angled 30°

bipolar concentric
Unit 1

Art.-No.	cm	Total Length
522 103	4.5 cm	15.0 cm
522 101	9.0 cm	19.5 cm



BCS Probe, straight

bipolar concentric
Unit 1

Art.-No.	cm	Total Length
522 102	4.5 cm	15.0 cm
522 100	9.0 cm	19.5 cm
522 128	31.0 cm	41.5 cm

4.1.2

Bayonet-shaped bipolar concentric Stimulation Probes

BCS Probe Bayonet

bipolar concentric
Unit 1

Art.-No.	Total Length
522 106	13.0 cm 23.5 cm

BCS Probe Bayonet, angled 30°

bipolar concentric
Unit 1

Art.-No.	Total Length	Angled
522 104	13.0 cm 23.5 cm	upwards
522 105	13.0 cm 23.5 cm	downwards

BCS Probe Bayonet, ball tip

bipolar concentric,
Ø ball = 2 mm
Unit 1

Art.-No.	Total Length
522 109	13.0 cm 23.5 cm

4 | Reusable Stimulation Probes

4.1.3
Forked bipolar Stimulation Probes

Micro Fork Probe, straight

fork length = 2.5 mm
Unit 1

	Art.-No.	cm	Total Length
straight	**522 010**	4.5 cm	15.0 cm
bayonet	**522 014**	13 cm	23.5 cm

Fork Probe straight, ball tip

fork distance = 5 mm,
fork length = 10 mm,
Ø ball = 2 mm
Unit 1

Art.-No.	cm	Total Length
522 024	1.0 cm	11.5 cm

Fork Probe straight, ball tip

fork length = 25 mm,
Ø ball = 2 mm, flexible wires
Unit 1

Art.-No.	cm	Total Length
522 017	2.5 cm	13.0 cm

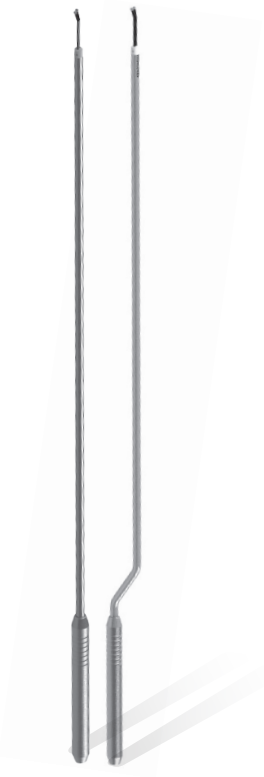
Fork Probe, bayonet

fork distance = 1.55 mm,
fork length = 25 mm
Unit 1

Art.-No.		Total Length
522 002	13.0 cm	23.5 cm

Fork Probe, angled 15°, ball tip

fork distance = 5 mm,
fork length = 25 mm,
Ø ball = 2 mm
Unit 1



Art.-No.			Total Length
straight	**522 031**	40.0 cm	50.0 cm
bajonet	**522 027**	40.0 cm	50.0 cm

4 | Reusable Stimulation Probes

›› Forked bipolar Stimulation Probes

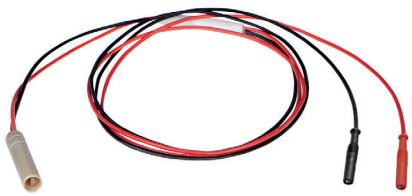
Fork Probe bayonet, ball tip

fork distance = 8 mm,
fork length = 25 mm,
Ø ball = 2 mm
Unit 1

Art.-No.	cm	Total Length
522 003	13.0 cm	22.5 cm

Stimulation adaptor cable

for bipolar pedicle stimulation probe 522 130 to the stimulation cable 520 024 or 520 027 delivered non-sterile, autoclavable
Unit 1



Art.-No.	
520 078	0.7 m

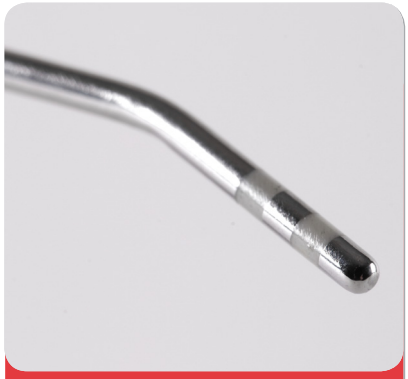
4.1.4
Pedicle Stimulation Probe

Bipolar Pedicle Stimulation Probe

with 1.5 mm connections red and black,
inner diameter = 1.67 mm,
compatible with Kirschner wire up to 1.6 mm diameter
Unit 1

Art.-No.	cm
522 130	30.0 cm

4.1.5
Angled bipolar Stimulation Probes



Stimulation Probe, bipolar

for subcortical stimulation according to Prof. Galanda with 2 contacts, L = 2 mm after another, Ø = 2 mm
Unit 1

Art.-No.	cm	Total Length	Angled
522 018	9.0 cm	19.5 cm	20°
522 019	9.0 cm	19.5 cm	10°

4.1.6
Hook Stimulation Probes

Micro Hook Probe bipolar, straight

hook distance 0.5 mm,
hook length 6mm
Unit 1

Art.-No.	cm	Total Length
522 011	4.5 cm	15.0 cm

Micro Hook Probe, tripolar

hook angled 90°
hook distance 0.15 mm,
hook length 3.5 mm
Unit 1

Art.-No.	cm	Total Length
522 023	7.0 cm	17.5 cm

Hook Probe, bipolar, straight

hook distance 5 mm
Unit 1

Art.-No.	cm	Total Length
522 021	2.2 cm	13.0 cm

Hook Probe, tripolar, straight

Hook distance 2.1 mm
Unit 1

Art.-No.	cm	Total Length
522 022	2.5 cm	13.0 cm

4 | Reusable Stimulation Probes

The monopolar Stimulation Probes need a monopolar stimulation adaptor art. no. 520 070 or 520 077 and a stimulation cable art. no. 520 024 or 520 027 for connection to the stimulator (chapter 4.4).

4.2
Monopolar Stimulation Probes

monopolar, straight, flexible

Ø ball = 2 mm
Unit 1

Art.-No.	cm	Total Length
525 207	2.5 cm	13.0 cm
525 210	6.0 cm	16.5 cm

monopolar, angled 30°

active tip = 2 mm ,
Ø = 1.5 mm
Unit 1

Art.-No.	cm	Total Length
525 200	9.0 cm	19.5 cm

monopolar, straight

active tip = 2mm ,
Ø = 1.5 mm
Unit 1

Art.-No.	cm	Total Length
525 203	9.0 cm	19.5 cm

monopolar, straight, flexible

isolated, thin flexible tip,
Ø = 0.5 mm
Unit 1

Art.-No.	cm	Total Length
525 208	9.0 cm	19.5 cm

monopolar, bayonet

active tip = 2 mm ,
Ø = 1.5 mm
Unit 1

Art.-No.	cm	Total Length
525 003	13.0 cm	23.0 cm

4 | Reusable Stimulation Probes

monopolar, bayonet

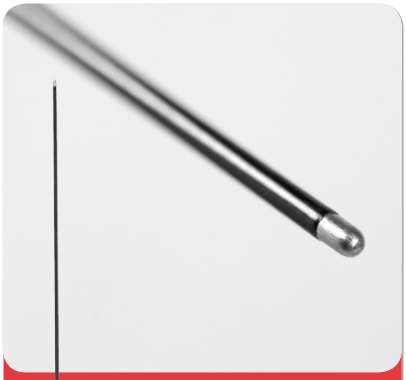
active tip = 2 mm,
Ø = 1.5 mm
Unit 1

Art.-No.	cm	Total Length
525 206	13.0 cm	23.5 cm

monopolar, straight, ball tip

Ø ball = 2 mm
Unit 1

Art.-No.	cm	Total Length
525 209	13.0 cm	23.5 cm



monopolar, straight

active tip = 2mm
Unit 1

Art.-No.	cm	Total Length
525 211	31.0	41.5 cm

4.3

Surgical Instruments for monopolar Stimulation

Needle, monopolar, straight

active tip = 4 mm
Unit 1

Art.-No.	cm	Total Length
525 310	8.5 cm	19.0 cm

Needle, monopolar, angled 30°

active tip = 4 mm
Unit 1

Art.-No.	cm	Total Length
525 311	8.5 cm	19.0 cm

Raspatory, monopolar

active tip = 6 mm
Unit 1

Art.-No.	cm	Total Length
525 312	8.5 cm	19.0 cm

4 | Reusable Stimulation Probes

›› Surgical Instruments for monopolar Stimulation

Round Knife, monopolar, straight

Ø plate = 2.5 mm
Unit 1

Art.-No.	cm	Total Length
525 313	8.5 cm	19.0 cm

Instrument, monopolar, ball tip

angled 90°,
Ø ball= 1 mm
Unit 1

Art.-No.	cm	Total Length
525 315	8.5 cm	19.0 cm

Dissector, monopolar, curved

angled 30°,
active tip = 6 mm
Unit 1

Art.-No.	cm	Total Length
525 316	8.5 cm	19.0 cm

Dissector, monopolar, curved

angled 90°,
active tip = 5 mm
Unit 1

Art.-No.		Total Length
525 317	8.5 cm	19.0 cm

Dissector, monopolar, curved

active tip = 4 mm,
angled 30°
Unit 1

Art.-No.		Total Length
525 318	8.5 cm	19.0 cm

Rhizotomy Dissector, monopolar

active tip = 7 mm,
angled 90°
Unit 1

Art.-No.		Total Length
525 320	8.5 cm	19.0 cm

4 | Reusable Stimulation Probes

Instrument, monopolar, ball tip

angled 45°,
Ø ball = 1.6 mm
Unit 1

Art.-No.	cm	Total Length
525 319	13.5 cm	24.0 cm

4.4
Adaptor and Stimulation cables for reusable Stimulation Probes

For the connection of all reusable Stimulation probes to the stimulator, a stimulation cable art. no. 520 024 or 520 027 is necessary:

Stimulation Cable

with 4 pole device connector, delivered non-sterile, autoclavable
Unit 1

Art.-No.	
520 024	4.0 m

Stimulation Cable

with 2 x 1,5 mm touchproof connector, delivered non-sterile, autoclavable
Unit 1

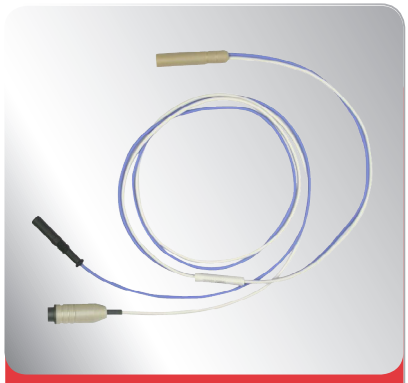
Art.-No.	
520 027	4.0 m

Additionally monopolar reusable Stimulation probes and Surgical instruments need a stimulation adaptor cable art.-no 520 070 or 520 077:

Stimulation Adaptor Cable

for adaptation to monopolar stimulation probes or instruments to stimulation cable 520 024 or 520 027, with 20 mm Needle white and 1.5 mm touchproof connector, delivered non-sterile, autoclavable
Unit 1

Art.-No.	
520 070	0.7 m



Stimulation Adaptor Cable

for adaptation to monopolar stimulation probes or instruments to stimulation cable 520 024 or 520 027, with 1.5 mm touchproof connector black and 1.5 mm connector green for counter electrode 533 627 delivered non-sterile, autoclavable
Unit 1

Art.-No.	
520 077	0.7 m

pIOM

pIOM Set

- All accessories in one set – also available for non-invasive recording
- Intuitive short instruction in package for easy handling
- Pioneer in pelvic monitoring - more than twelve years of research: improved patient safety and quality of life thanks to neuromonitoring of autonomic nerves!

pIOM Set with SDN Electrodes

complete set consisting of Catheter Connection Set for bladder pressure measuring, bipolar SDN electrodes, fork probe 400 mm
single use only, ETO-sterilized

Art.-No. 520 335

pIOM Set with rectal Electrode

complete set consisting of Catheter Connection Set for bladder pressure measuring, rectal electrode, fork probe 400 mm
single use only, ETO-sterilized

Art.-No. 520 336

pIOM Box

for bladder pressure measuring
for connection to IONM devices, for use with disposable pressure converter with 1.5 mm female touchproof connector, USB powered delivered non-sterile, non-autoclavable
Unit 1

Art.-No. 520 300

6 | Overview of Boxes and Cables for Stimulation and Recording

All stimulation and recording boxes are surface disinfectable and are delivered non-sterile.

6.1 Stimulation boxes

SEP-Stimulation Adaptor 1-4 Ch.

4 channels high current stimulation and 1 channel direct nerve stimulation, delivered non-sterile, non-autoclavable
Unit 1

Art.-No.	
540 501	5.0 m

MEP-Stimulation Adaptor 5-12 Ch.

8 channels high current stimulation, delivered non-sterile, non-autoclavable
Unit 1

Art.-No.	
540 511	5.0 m

6.2 Recording boxes

EP-Adaptor

for maximal 8 channel recording to a common reference and the possibility to connect AEP Earphones (540340), delivered non-sterile, non-autoclavable
Unit 1

Art.-No.	
540 520	5.0 m

EMG/MEP-Adaptor

for maximal 8 channel differential recording, delivered non-sterile, non-autoclavable
Unit 1

Art.-No.	
540 530	5.0 m

EP-Adaptor

for maximal 8 channel recording to a common reference, delivered non-sterile, non-autoclavable
Unit 1

Art.-No.	
540 521	5.0 m

EMG-Electrode mini box

4 channels with Ground, 8 x 1.5 mm touchproof connector, delivered non-sterile, non-autoclavable
Unit 1

Art.-No.	
540 425	4.0 m

6 | Overview of Boxes and Cables for Stimulation and Recording

›› Stimulation Matrix

The Grid/TES Stimulation Matrix enables flexible change of the stimulation sites during procedure.

Several switches for the interconnection of all stimulation sites for MEP and up to 16 electrodes for grid stimulation in one box makes it possible to use only one stimulation channel.

Easy switching between phase reversal and cortical stimulation over the same grid electrode (same blue recording adaptor) without difficult setup changes during procedure.

6.3
Switch boxes

Grid/TES Stimulation Matrix 8 Ch.

for interconnection of up to
8 electrode contacts
for cortical stimulation
and up to 6 electrodes
for transcranial electrical stimulation

only in combination with
MEP Stimulation adaptor 540 510,
delivered non-sterile,
non-autoclavable

Art.-No.	Channels
540 549	8

Grid/TES Stimulation Matrix 16 Ch.

for interconnection of up to
16 electrode contacts
for cortical stimulation
and up to 6 electrodes
for transcranial electrical stimulation

only in combination with
MEP Stimulation adaptor 540 510,
delivered non-sterile,
non-autoclavable

Art.-No.	Channels
540 550	16

MEP-Stimulationsadapter

for Grid/TES Stimulation matrix
8 channels high current stimulation,
only in combination with 540550 or
540549, delivered non-sterile,
non autoclavable

Art.-No.	
540 510	5.0 m

6.4
Reusable Stimulation Cables

Stimulation cable

with 4 pole device connector,
delivered non-sterile, autoclavable
Unit 1

Art.-No.	
520 024	4.0 m

Stimulation cable

with 2 x 1.5 mm touchproof connector,
delivered non-sterile, autoclavable
Unit 1

Art.-No.	
520 027	4.0 m

Adaptor cable

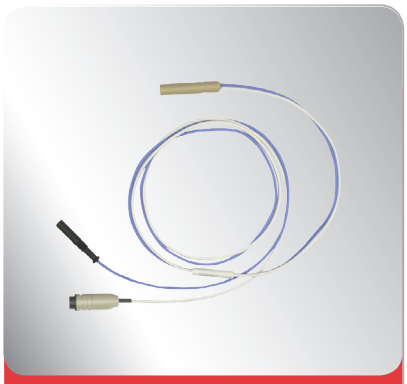
for disposable stimulation probes
with 4 pole device connector and
1.5 mm touchproof connector red/black,
delivered non-sterile, autoclavable
Unit 1

Art.-No.	
520 040	2.0 m

Stimulation adaptor cable

for adaptation to monopolar stimulation
probes or instruments to stimulation
cable 520 024 or 520 027,
with 20 mm Needle white and 1.5 mm
touchproof connector,
delivered non-sterile, autoclavable
Unit 1

Art.-No.	
520 070	0.7 m



Stimulation adaptor cable

for adaptation to monopolar stimulation
probes or instruments to stimulation cable
520 024 or 520 027,
with 1.5 mm touchproof connector black
and 1.5 mm connector green for reference
electrode 533 625,
delivered non-sterile, autoclavable
Unit 1

Art.-No.	
520 077	0.7 m

6.5
Reusable Recording Cables
The cables are either autoclavable or surface disinfectable and are delivered non-sterile.

Grid electrode cable 16/90

for max. 2 strips up to 8 contacts, fixation at the connection with electrode holder 610 099, for connection to adaptor or extension cable, delivered non-sterile, autoclavable
Unit 1

Art.-No.	
610 110	0.9 m
610 115	3.0 m

Grid extension cable

for max. 2 x 4 channels with Redel connector, delivered non-sterile, autoclavable
Unit 1

Art.-No.	
540 304	2.0 m

Grid extension cable

for max. 1 x 8 channels with Redel, delivered non-sterile, autoclavable
Unit 1

Art.-No.	
540 308	2.0 m

Grid extension cable

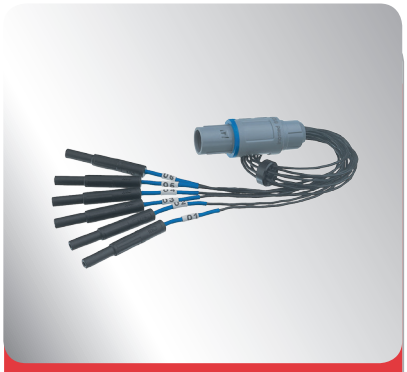
for max. 2 x 8 channels with Redel, delivered non-sterile, autoclavable
Unit 1

Art.-No.	
540 316	2.0 m

Adaptor cable 1 x 4

for max. 1 x 4 channels with 1.5 mm touchproof connector, Delivered non-sterile, autoclavable
Unit 1

Art.-No.	
610 131	2.0 m



Adaptor cable 1 x 6

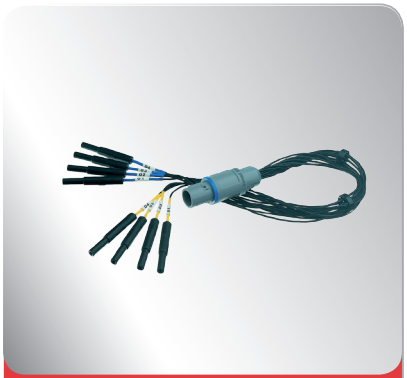
for max. 1 x 6 channels with 1.5 mm touchproof connector, delivered non-sterile, autoclavable
Unit 1

Art.-No.	
610 132	2.0 m

Adaptor cable 1 x 8

for max. 1 x 8 channels with 1.5 mm touchproof connector, delivered non-sterile, autoclavable
Unit 1

Art.-No.	
610 133	0.3 m



Adaptor cable 2 x 4

for max. 2 x 4 channels with 1.5 mm touchproof connector, delivered non-sterile, autoclavable
Unit 1

Art.-No.	
610 135	0.3 m

Adaptor cable 2 x 6

for max. 2 x 6 channels with 1.5 mm touchproof connector, delivered non-sterile, autoclavable
Unit 1

Art.-No.	
610 136	0.3 m

Adaptor cable 2 x 8

for max. 2 x 8 channels with 1.5 mm touch-proof connector, delivered non-sterile, autoclavable
Unit 1

Art.-No.	
610 137	0.3 m

ISIS Headbox recording cable

10 pole with push-button adaptors black for adhesive surface electrode, delivered non-sterile, autoclavable
Unit 1

Art.-No.	
540 402	2.0 m

https://shop.inomed.com

7.1
VEP-Stimulation

LED flash goggles

- New small LED Pads enable easy fixation without disturbing elastic bands
- Flexible positioning of LED Pads over the closed eye – fixation with standard tape
- Small LED Pads also suitable for children
- Thin cables for flexible handling in difficult OR situations
- Standard touchproof connectors for various systems

LED flash goggles for VEP stimulation

Ø 18.6 mm,
delivered non-sterile, disinfectable
Unit 1

Art.-No.	
505 055	3.0 m

7.2 AEP-Stimulation

AEP Insert Earphones

ABR 10 OHM with silicon tubes red/blue and range of earplugs, connector red and blue for insert earphones and Redel connector black/yellow for Headbox

Art.-No.		Unit
540 340	2m	1
540 343	3.8m	1

Foam ear tips

single use only , delivered non sterile

Art.-No.		Unit	
540 345	standard	50	
540 346	small	50	
540 347	big	24	

7.3 Further Accessories

Mute-Sensor

Nr. 1

to suppress sound output during electrocautery

Unit 1

Art.-No.	
510 025	4.0 m

https://shop.inomed.com/en/Accessories/Accessories-IONM/Other-accessories-IONM/Mute-Sensor-for-suppression-of-HF-noise.html?listtype=search&searchparam=510025

Replacement tube nipples

for sound tubes and foam ear tips

Unit 10

Art.-No.

540 349

Replacement sound tubes

packed in pairs, red/blue

Unit 2

Art.-No.

540 348

Sterilisation box

synthetic, for stimulation instruments, Inner dimension 267 x 159 x 16 mm, delivered non-sterile, autoclavable

Unit 1

Art.-No.

522 900

8 Application examples

The number of accessories refers to one application. These are recommendations of the inomed Medizintechnik GmbH and are based on Standard scenarios of the ISIS IOM system. Details subjects to change by the user.

8.1 Functional Mapping

8.1.1 Speech Mapping

Quantity per application	Unit	Art.-No.	Optional	Description	P.	inomed recommendation
1	10	522 624		Fork probe 45mm, straight, ball tip Single use only, ETO-sterilized	27	Direct cortical stimulation
2	10	532 646		SDN electrodes Trigon SET, 15/2000 mm Single use only, ETO-sterilized	6	EMG recording
1	10	532 651		SDN electrode Trigon GN 20/1500 mm Single use only, ETO-sterilized	5	Ground
1	1	610 014	X	Cortex-Strip electrode 4 contacts, 1 Strip For the connection to the system, a grid electrode cable 610110 and the adaptor cable 540308 are necessary Single use only, ETO-sterilized	13	EEG
1	10	532 629		SDN electrode Trigon WH 15/1000 Single use only, ETO-sterilized	5	EEG Reference
1	10	532 651		SDN electrode Trigon GN 20/1500 mm Single use only, ETO-sterilized	5	EEG Ground

8.1.2 Motor-Mapping

Quantity per application	Unit	Art. No.	Optional	Description	P.	inomed recommendation
1	10	525 650		Mapping Suction Probe by Raabe 120 mm, monopolar Single use only, ETO-sterilized	31	Direct cortical and subcortical stimulation
2	10	532 646		SDN electrodes Trigon SET, 15/2000 mm Single use only, ETO-sterilized	6	MEP recording for small muscles
2	10	532 666		SDN electrodes Trigon SET, 20/2000 mm Single use only, ETO-sterilized	6	MEP recording for big muscles
1	10	532 651		SDN electrode Trigon GN 20/1500 mm Single use only, ETO-sterilized	5	Ground
1	10	525 603	Alternative to 525 650	Stimulation probe 45mm, monopolar, angled 30°, Single use only, ETO-sterilized	29	Direct nerve stimulation monopolar
1	1	610 014	X	Cortex-Strip electrode 4 contacts, 1 Strip for the connection to the system, a grid electrode cable 610110 and the adaptor cable 540 308 are necessary Single use only, ETO-sterilized	13	EEG
1	10	532 629		SDN electrode Trigon WH 15/1000 Single use only, ETO-sterilized	5	EEG Reference
1	10	532 651		SDN electrode Trigon GN 20/1500 mm Single use only, ETO-sterilized	5	EEG Ground
1	1	540 549	X	Grid/TES Stimulation Matrix only in combination with MEP stimulation adaptor 540 510, delivered non-sterile, non-autoclavable	51	Flexible inter-connection of grid electrode contacts and TES MEP electrodes For stimulation via Grid/ Strip electrode usable
1	1	540 510		MEP Stimulation adaptor for Grid/TES Stimulation matrix, 8 Channels high current stimulation, delivered non-sterile, non-autoclavable	51	

8.1.3 SEP Phase Reversal

Quantity per application	Unit	Art. No.	Optional	Description	P.	inomed recommendation
1	1	610 014		Cortex-Strip electrode 4 contacts, 1 Strip for the connection to the system, a grid electrode cable 610110 and the adaptor cable 540 308 are necessary Single use only, ETO-sterilized	13	SEP recording
1	10	532 637		SDN electrodes Trigon RD/BK, 15/2000 Single use only, ETO-sterilized	5	Median nerve SEP stimulation
1	10	532 629		SDN electrode Trigon WH 15/1000 Single use only, ETO-sterilized	5	Reference
1	10	532 651		SDN electrode Trigon GN 20/1500 mm Single use only, ETO-sterilized	5	Ground

8.2 Monitoring of Cranial Nerves

Caudal cranial nerves						
Quantity per application	**Unit**	**Art. No.**	**Optional**	**Description**	**P.**	**inomed recommendation**
1	10	522 606		BCS probe 130mm bayonet Single use only, ETO-sterilized	27	Direct nerve stimulation bipolar
1	10	525 603	Alternative to 522 606	Stimulation probe 45mm, monopolar, angled 30° Single use only, ETO-sterilized	29	Direct nerve stimulation monopolar
1	10	530 856		Laryngeal electrode Select, for tubes with 7 - 9 mm inner diameter, 4 channels, adhesive surface length = 32 mm, Width = 37 mm with neutral adhesive electrode, Single use only, ETO-sterilized	18	Vagus nerve / Recurrent laryngeal nerve
1	10	530 855	Alternative to 530 856	Laryngeal electrode Select for tubes with 6 - 7 mm inner diameter, 4 channels, Single use only, ETO-sterilized	18	
1	10	532 610		SDN electrode BN/BN, 9/1500, for application with Vocalis Electrode Applicator 530 121 Single use only, ETO-sterilized	10	Glossopharyngeal nerve
1	10	532 611		SDN electrode VI/VI, 9/1500, for application with Vocalis Electrode Applicator 530 121 Single use only, ETO-sterilized	10	Hypoglossal nerve
2	10	532 730		SDN Hooked electrodes SET, 30/1500,35°, for e.g. orbicularis oris and orbicularis oculi muscle Single use only, ETO-sterilized	8	Facial nerve
2	10	530 607		SDN electrodes RD/RD 20/1200, 90° for e.g. trapezius and masseter muscle Single use only, ETO-sterilized	11	Accessory nerve, Trigeminal nerve
1	10	532 651		SDN electrode Trigon GN 20/1500 mm Single use only, ETO-sterilized	5	Ground

Further cranial nerves (additional to the caudal cranial nerves)						
Quantity per application	**Unit**	**Art. No.**	**Optional**	**Description**	**P.**	**inomed recommendation**
1	5	532 711		Oculomotor electrode, bipolar, 20/1500 mm Single use only, ETO-sterilized	11	Oculomotor nerve, Trochlear nerve, Abducens nerve
1	5	532 710	Alternative to 532 711	Oculomotor electrode, bipolar, 30/1500 mm Single use only, ETO-sterilized	11	
1	1	505 055		LED flash goggles for VEP stimulation Delivered non-sterile, autoclavable	55	Optic nerve

8.3 Interventions in cerebellopontine angle e.g. acoustic neuroma, vestibular schwannoma

Quantity per application	Unit	Art. No.	Optional	Description	P.	inomed recommendation
1	10	522 606		BCS probe 130mm bayonet Single use only, ETO-sterilized	27	Direct nerve stimulation bipolar
3	60	530 751		Corkscrew electrode SET, Spiral-Needle 0.6 mm Single use only, ETO-sterilized	12	Median nerve SEP recording
2	10	532 637		SDN electrodes Trigon RD/BK, 15/2000 mm Single use only, ETO-sterilized	5	Median nerve SEP stimulation
2	10	532 730		SDN Hooked electrodes SET, 30/1500 mm for e.g. orbicularis oris and orbicularis oculi muscle Single use only, ETO-sterilized	8	EMG recording for facial monitoring
2	10	530 607		SDN electrodes RD/RD 20/1200, 90° for e.g. trapezius and masseter muscle Single use only, ETO-sterilized	11	EMG recording for Trigeminal monitoring
1	10	532 626		SDN electrode Trigon RD, 15/1000 mm Single use only, ETO-sterilized	5	AEP recording right
1	10	532 621		SDN electrode Trigon BU, 15/1000 mm Single use only, ETO-sterilized	5	AEP recording left
2	10	532 651		SDN electrode Trigon GN 20/1500 mm Single use only, ETO-sterilized	5	Ground
2	1	530 453	Alternative to 532 626/ 532 621	Tympanon electrode Single use only, ETO-sterilized	15	Optional, AEP recording
1	5	530 455	X	Ball electrode Single use only, ETO-sterilized	15	Optional, AEP recording directly at cochlear nerve
1	10	530 770	X	EP-Cap, helping tool for 10-20-System Single use only, delivered non-sterile	12	

8.4 Vascular neurosurgery e.g. Aneurysm, Cavernous hemangioma, etc.

Quantity per application	Unit	Art. No.	Optional	Description	P.	inomed recommendation
6	60	530 751		Corkscrew electrode SET, Spiral-Needle 0.6 mm Single use only, ETO-sterilized	12	Median nerve SEP recording, MEP stimulation
6	10	532 646		SDN electrodes Trigon SET, 15/2000 mm Single use only, ETO-sterilized	6	EMG recording, MEP recording for small muscles
6	10	532 666		SDN electrodes Trigon SET, 20/2000 mm Single use only, ETO-sterilized	6	EMG recording, MEP recording for big muscles
2	10	532 651		SDN electrode Trigon GN 20/1500 mm Single use only, ETO-sterilized	5	Ground
1	10	530 770	X	EP-Cap, helping tool for 10-20-System Single use only, delivered non-sterile	12	

8.5 Vascular surgery
e.g. Carotid endarterectomy

Quantity per application	Unit	Art. No.	Optional	Description	P.	inomed recommendation
3	60	530 751		Corkscrew electrode SET, Spiral-Needle 0.6mm Single use only, ETO-sterilized	12	Median nerve SEP recording
2	10	532 637		SDN electrodes Trigon SET, 15/2000 mm Single use only, ETO-sterilized	5	Median nerve SEP stimulation
1	10	532 651		SDN electrode Trigon GN 20/1500 mm Single use only, ETO-sterilized	5	Ground
2	10	532 657	X	SDN electrodes Trigon RD/BK, 20/2000 mm Single use only, ETO-sterilized	5	Tibial nerve SEP stimulation
1	60	530 751	X	Corkscrew electrode SET, Spiral-Needle 0.6 mm Single use only, ETO-sterilized	12	Tibial nerve SEP recording
1	10	530 770	X	EP-Cap, helping tool for 10-20-System Single use only, delivered non-sterile	12	

8.6 ENT surgery
e.g. Parotidectomy

Quantity per application	Unit	Art. No.	Optional	Description	P.	inomed recommendation
1	10	522 603		BCS probe 45mm angled 30°, 1.5 mm touch-proof connector, single use, ETO sterilized	26	Direct nerve stimulation, bipolar
2	10	532 730		SDN hooked electrodes 30/1500,35°, 1.5 mm touchproof connector, diameter 0.45 mm single use, ETO sterilized	8	EMG recording for facial monitoring
1	10	532 651		SDN electrode Trigon GN 20/1500, 1.5 mm touchproof connector, diameter 0.45 mm, single use, ETO sterilized	5	Ground

8.7 Thyroid surgery

Quantity per application	Unit	Art. No.	Optional	Description	P.	inomed recommendation
1	10	522 603		BCS probe 45mm angled 30°, 1.5 mm touch-proof connector, single use, ETO sterilized	26	Direct nerve stimulation bipolar
1	10	530 856		Laryngeal electrode Select for tubes with 7 - 9 mm inner diameter, 4 channels, single use only, ETO-sterilized	18	Monitoring of Recurrent laryngeal Nerve with Recording of the M. vocalis
1	10	530 855	Alternative to 530 856	Laryngeal electrode Select for tubes with 6 - 7 mm inner diameter, 4 channels, single use only, ETO-sterilized	18	Monitoring of Recurrent laryngeal Nerve with Recording of the M. vocalis
1	10	525 603	Alternative to 522 603	Stimulation probe 45mm, monopolar, angled 30°, active tip 2mm, single use, ETO sterilized	29	Direct nerve stimulation monopolar

8.8 Spine surgery / Orthopedics

8.8.1 Intramedullary tumour

Quantity per application	Unit	Art. No.	Optional	Description	P.	inomed recommendation
6	60	530 751		Corkscrew electrode SET, Spiral-Needle 0.6 mm Single use only, ETO-sterilized	12	SEP recording, MEP stimulation
2	10	532 637		SDN electrodes Trigon RD/BK, 15/2000 mm Single use only, ETO-sterilized	5	Median nerve SEP stimulation
2	10	532 657		SDN electrodes Trigon RD/BK, 20/2000 mm Single use only, ETO-sterilized	5	Tibial nerve SEP stimulation
2	10	532 646		SDN electrodes Trigon SET, 15/2000 mm Single use only, ETO-sterilized	6	EMG recording, MEP recording for small muscles
4	10	532 666		SDN electrodes Trigon SET, 20/2000 mm Single use only, ETO-sterilized	6	EMG recording, MEP recording for big muscles
1	5	530 684		FSR02 Electrode, Flexible 2-pole recording and stimulation electrode Single use only, ETO-sterilized	15	D-wave
2	10	532 651		SDN electrode Trigon GN 20/1500 mm Single use only, ETO-sterilized	5	Ground
1	10	530 770	X	EP-Cap, helping tool for 10-20-System Single use only, delivered non-sterile	12	

8.8.2 Spinal deformities e.g. Scoliosis / Kyphosis

Quantity per application	Unit	Art. No.	Optional	Description	P.	inomed recommendation
6	60	530 751		Corkscrew electrode SET, Spiral-Needle 0.6 mm Single use only, ETO-sterilized	12	SEP recording, MEP stimulation
2	10	532 637		SDN electrodes Trigon RD/BK, 15/2000 mm Single use only, ETO-sterilized	5	Median nerve SEP stimulation
2	10	532 657		SDN electrodes Trigon RD/BK, 20/2000 mm Single use only, ETO-sterilized	5	Tibial nerve SEP stimulation
2	10	532 646		SDN electrodes Trigon SET, 15/2000 mm Single use only, ETO-sterilized	6	EMG recording, MEP recording for small muscles
4	10	532 666		SDN electrodes Trigon SET, 20/2000 mm Single use only, ETO-sterilized	6	EMG recording, MEP recording for big muscles
2	10	532 651		SDN electrode Trigon GN 20/1500 mm Single use only, ETO-sterilized	5	Ground
1	10	530 770	X	EP-Cap, helping tool for 10-20-System Single use only, delivered non-sterile	12	

8.8.3 Pedicle screw stimulation (Using ISIS IOM system)

Quantity per application	Unit	Art. No.	Optional	Description	P.	inomed recommendation
1	10	525 616		Stimulation probe 85 mm, monopolar, straight, ball tip Single use only, ETO-sterilized	30	Pedicle stimulation
8	10	532 666		SDN electrodes Trigon SET, 20/2000 mm Single use only, ETO-sterilized	6	EMG recording
1	10	532 651		SDN electrode Trigon GN 20/1500 mm Single use only, ETO-sterilized	5	Ground
1	1	522 130	X	Bipolar Pedicle Stimulation Probe For connection to the system the adaptor cable 520 078 and the stimulation cable 520 024 or 520 027 are necessary.	36	Pedicle stimulation for minimal invasive procedure (=MIS)

Using C2 NerveMonitor for pedicle screw stimulation with posterior approach

	Art. No.	Needle length	Cable length	Description	Piece	Colour
	535 640	20 mm	2-4 m	Spine Surgery Set for EMG Recording, posterior approach, Colour-coded needle electrode set, 9 electrode pairs and 1 ground electrode, Single use only, ETO-sterilized	1	
	540 730		5 m	EMG Adaptor for color-coded accessories for maximal 8 color-coded differential recording channels, delivered non-sterile, non-autoclavable	1	

All electrodes and adaptor boxes can be used with both ISIS IOM system and C2 NerveMonitor.

Intraoperative Neuromonitoring
Functional Neurosurgery
Pain Treatment
Neurological Diagnostics

›› Partnership
›› Precision
›› Innovation

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