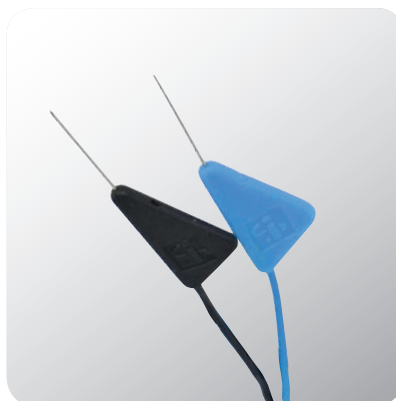
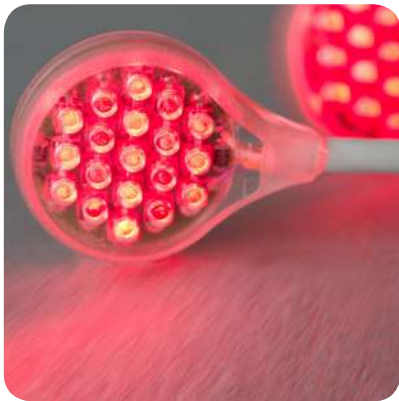
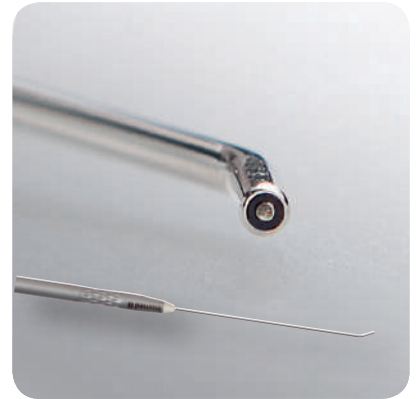
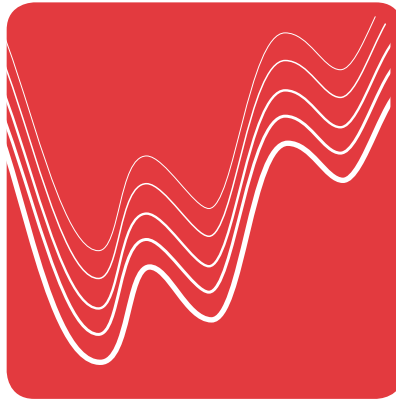
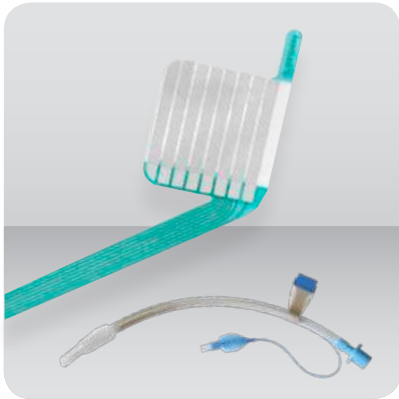




Intraoperative Neuromonitoring
Functional Neurosurgery
Pain Treatment
Neurological Diagnostics

IOM Accessories



Catalogue for
Intraoperative
Neuromonitoring
Accessories

electrodes
probes
new accessories
application examples



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» Innovations and Bestsellers



» Double Needle » page 8

- › Reliable signal detection of motoric cranial nerves
- › Quick and precise application due to the placement of two needles at the same time thanks to one common handpiece
- › Pre-defined needle distance
- › Twisted cables

» Mapping Suction Probe » page 31

- › 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



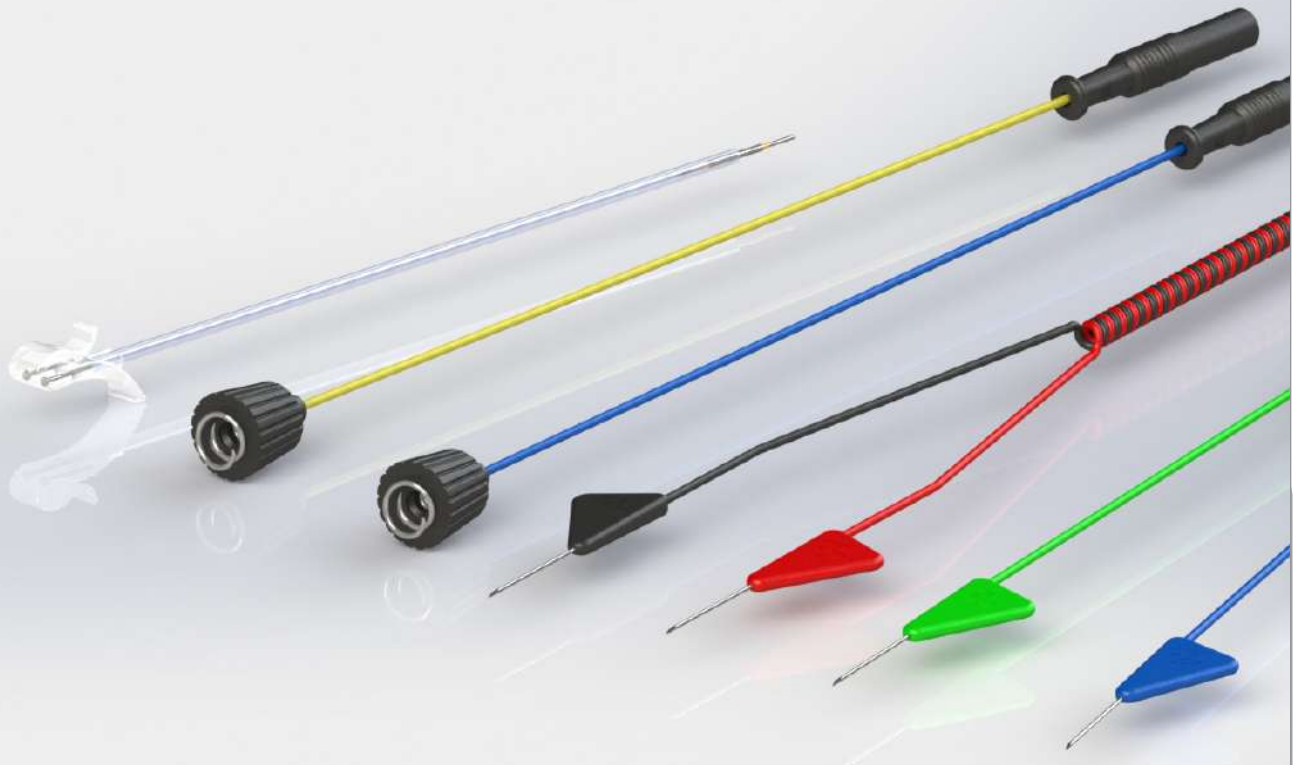
» ALM Tube » page 18

- › Ultimate reliability in RLN monitoring
- › Multifunctional combination of a clear PVC ET tube and a surface electrode
- › Ultimate signal stability resulting from 360° sensor surface coverage with 8 long electrode contacts
- › Reliable signal recording independent from tube rotation

» 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

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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 Slimline



SDN Electrode **Slimline**

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



SDN Electrodes **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	●



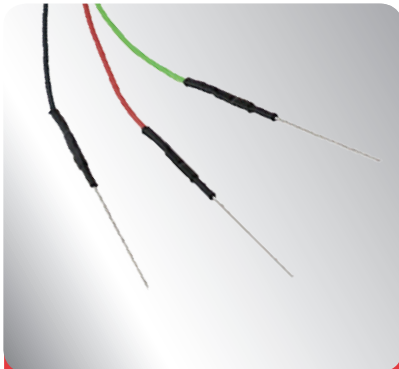
Art.-No.	mm		
533 631	15 mm	1.0 m	●
533 633	15 mm	1.0 m	●
533 634	15 mm	1.0 m	●
533 638	15 mm	1.0 m	●
533 636	15 mm	1.5 m	●
533 637	15 mm	2.0 m	●
533 656	20 mm	1.5 m	●
533 657	20 mm	2.0 m	●
533 671	30 mm	2.0 m	●
533 675	40 mm	2.0 m	●

Sets > next page



1 | Disposable Electrodes

1.1.1 SDN Electrodes Slimline



SDN Electrodes **Slimline** trio

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



533 641	15 mm	1.5 m	
533 661	20 mm	1.5 m	

1.1.1 SDN Electrodes Slimline SETs



SDN Electrodes **Slimline SET**

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



533 646	15 mm	2.0 m	
533 666	20 mm	2.0 m	





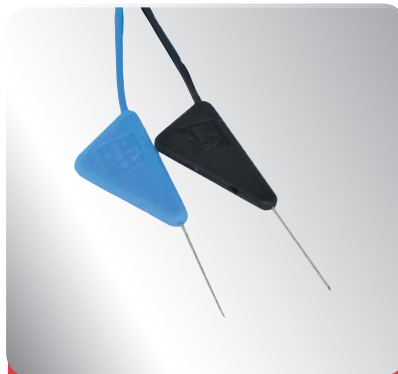
1.1 Subdermal Needle Electrodes (SDN Electrodes)

1.1.2 SDN Electrodes Trigon



SDN Electrode **Trigon**

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



SDN Electrodes **Trigon**

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



SDN Electrodes **trio Trigon**

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



Art.-No.	mm	m	Color
532 621	15 mm	1.0 m	Blue
532 622	15 mm	1.0 m	Brown
532 623	15 mm	1.0 m	Yellow
532 624	15 mm	1.0 m	Grey
532 626	15 mm	1.0 m	Red
532 627	15 mm	1.0 m	Black
532 628	15 mm	1.0 m	Purple
532 629	15 mm	1.0 m	White
532 625	15 mm	1.0 m	Green
532 651	20 mm	1.5 m	Green
532 653	20 mm	3.0 m	Green



Art.-No.	mm	m	Color
532 631	15 mm	1.0 m	Blue/Black
532 633	15 mm	1.0 m	Yellow/Black
532 634	15 mm	1.0 m	Grey/Black
532 638	15 mm	1.0 m	Purple/Black
532 636	15 mm	1.5 m	Red/Black
532 637	15 mm	2.0 m	Red/Black
532 656	20 mm	1.5 m	Red/Black
532 657	20 mm	2.0 m	Red/Black
532 671	30 mm	2.0 m	Red/Black
532 675	40 mm	2.0 m	Red/Black



Art.-No.	mm	m	Color
532 641	15 mm	1.5 m	Green/Black
532 661	20 mm	1.5 m	Green/Black

1 | Disposable Electrodes

1.1

Subdermal Needle Electrodes (SDN Electrodes)

1.1.2

SDN Electrodes Trigon



SDN Electrodes **Trigon SET**

$\varnothing = 0.45 \text{ mm}$
single use only, ETO-sterilized
10 colourful electrode pairs



Art.-
No.

mm

m

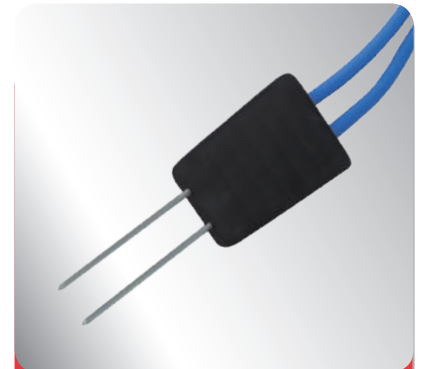
532 646 15 mm 2.0 m

532 666 20 mm 2.0 m



1.1.3

Double Needle Channel Sets



Double Needle

2-Channel Set / 4-Channel Set / Colourful Set
Needle length: 12 or 18 mm,
Needle distance: 2.5 mm,
single use only,
ETO-sterilized
Unit 15 or 20

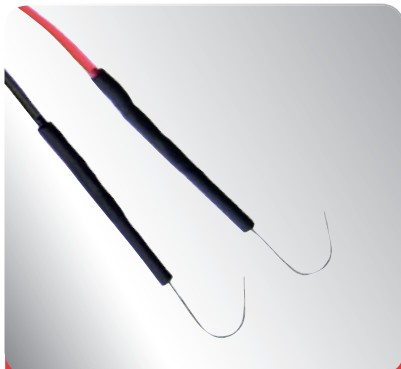


Double Needle Channel Sets

Art.-No.	mm		Pieces	Applica-tions	
2 Channel with 5 SDN Trigon electrodes green (15mm / 1.5 m)					
534 641	12 mm	1.5 m	15	for 5	5x + 5x
534 671					5x + 5x
2 Channel with 5 SDN Trigon electrodes green (15mm / 1.5 m) and SDN counter electrodes red (20 mm / 3 m)					
534 673	12 mm	1.5 m	20	for 5	5x + 5x + 5x
4 Channel with 4 SDN Trigon electrodes green (15mm / 1.5 m)					
534 643	12 mm	1.5 m	20	for 4	4x + 4x
Colourful Double Needle Set					
534 645	12 mm	1.5 m	20	Colourful Set	5x
534 646	18 mm				



1.1.4
SDN Hooked Electrodes



SDN Hooked Electrodes SET

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



532 730 30 mm 1.5 m



1.1.5
SDN Pediatric Electrodes



SDN Pediatric Electrodes

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



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



532 722 12 mm 1.5 m

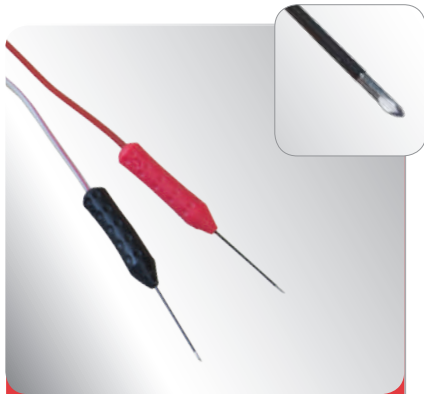
1 | Disposable Electrodes

1.1

Subdermal Needle Electrodes (SDN Electrodes)

1.1.6

Isolated SDN Electrodes



Isolated SDN Electrodes

needle isolated,
 $\varnothing = 0.45 \text{ mm}$,
 2 mm blunt tip,
 single use only,
 ETO-sterilized

Unit 10



Art.-
No.

mm

m

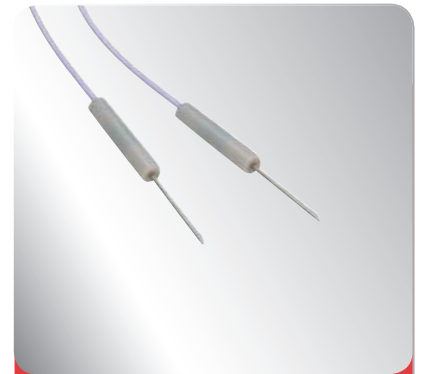
530 683 15 mm 2.0 m



530 680 25 mm 1.2 m

1.1.7

SDN Electrodes for Cranial Nerves



SDN Electrodes for Cranial Nerves

for Hypoglossal Nerve /
 Glossopharyngeal Nerve /
 Vagus Nerve
 needle $\varnothing = 0.45 \text{ mm}$,
 for application with
 Vocalis Electrode Applicator (530121),
 single use only, ETO-sterilized

Unit 10



Art.-
No.

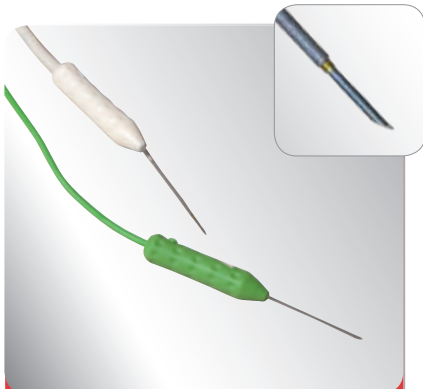
mm

m

532 609 9 mm 1.5 m

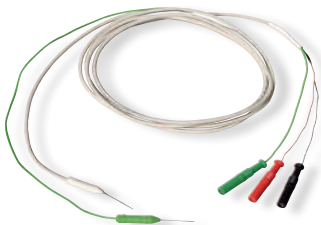
532 610 9 mm 1.5 m

532 611 9 mm 1.5 m



Electrode for Vocal Musle, bipolar

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



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 $\varnothing = 0.45$ mm,
single use only, ETO-sterilized
Unit 10



530 607 20 mm 1.2 m



Oculomotor Electrode, bipolar

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



532 711 20 mm 1.5 m

532 710 30 mm 1.5 m

1 | Disposable Electrodes

1.1

Subdermal Needle Electrodes (SDN Electrodes)

1.1.8

Corkscrew Electrodes



Corkscrew Electrode SET

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



Art.-
No.

mm

m

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



<https://shop.inomed.com>

Grid/ Strip Electrodes are available in various models with 4, 6 or 8 contacts per strip and a different number of strips.

1.2
Grid/Strip Electrodes

1.2.1
Electrodes



Cortex Strip Electrode

For cortical recording and stimulation, with connection cable, 1.5 mm Touchproof connectors, cable length 1800 mm, contact material stainless steel, contact diameter 4.0 mm, contact distance 10 mm, single use EO-sterilized



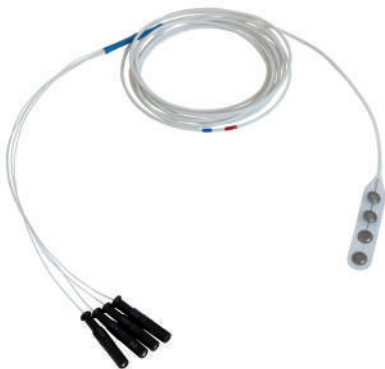
Grid/Strip Electrodes

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

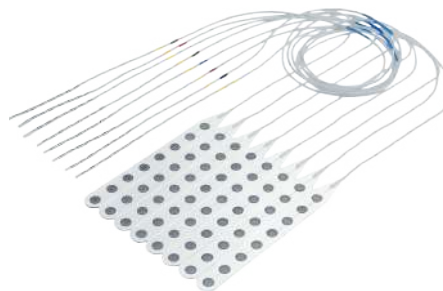


Grid Electrode Cable

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



Number of contacts per strip	Art. No.
4	611 014
6	611 016
8	611 018



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

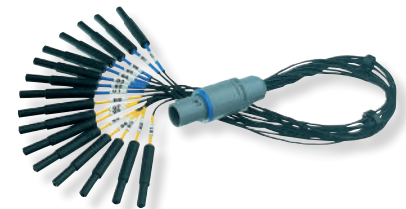
540 308 2.0 m 1 x 8

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

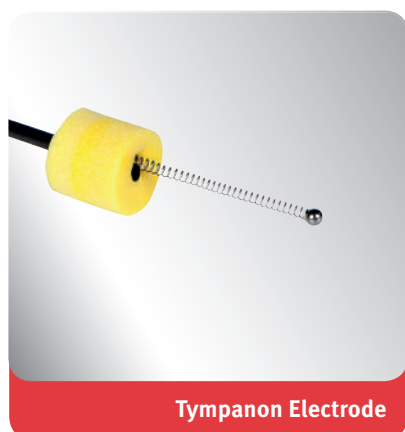
610 137 0.3 m 2 x 8



<https://shop.inomed.com>

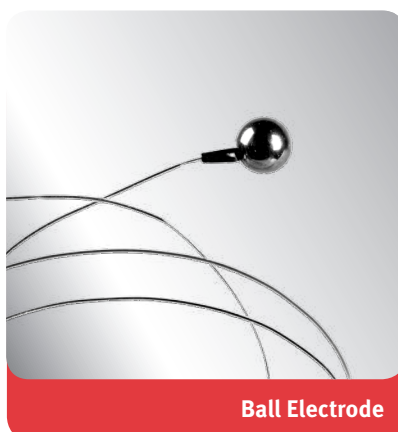
1.3 Electrodes for AEP near-field Potentials

1.4 Electrode for Spinal Application



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



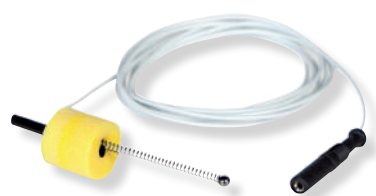
Ball Electrode

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



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.



530 453 1.5 m ●



Art.-No.



530 455 1.5 m ●



Art.-No.

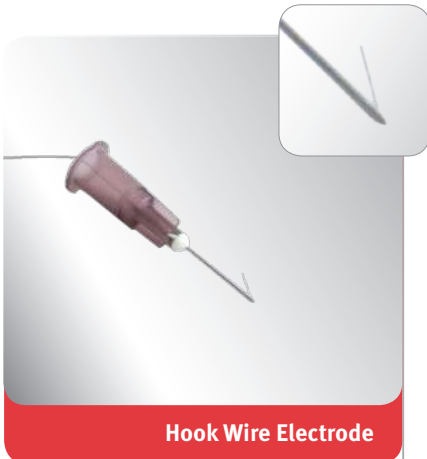


530 684 9 mm 2.0 m ●

1 | Disposable Electrodes

1.5

Hook Wire Electrodes



Hook Wire Electrode

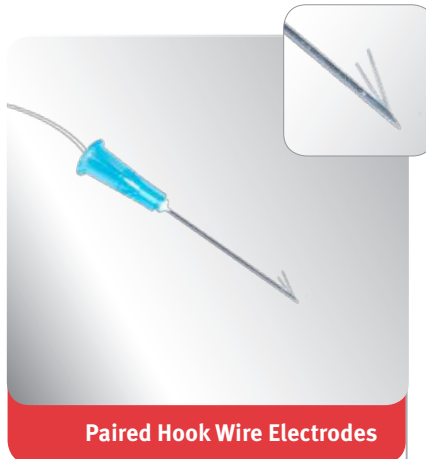
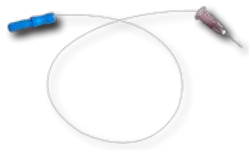
with 1.5 mm touchproof connector,
needle $\varnothing = 0.45$ mm,
single use only, ETO-sterilized
Unit 6

Art.-
No.

mm



530 602 13 mm 40 cm



Paired Hook Wire Electrodes

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

Art.-
No.

mm



530 603 30 mm 40 cm



Extension 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



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



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



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



530 103

Flexible guide tube



530 102

for Hook Wire Applicator,
delivered non-sterile,
autoclavable

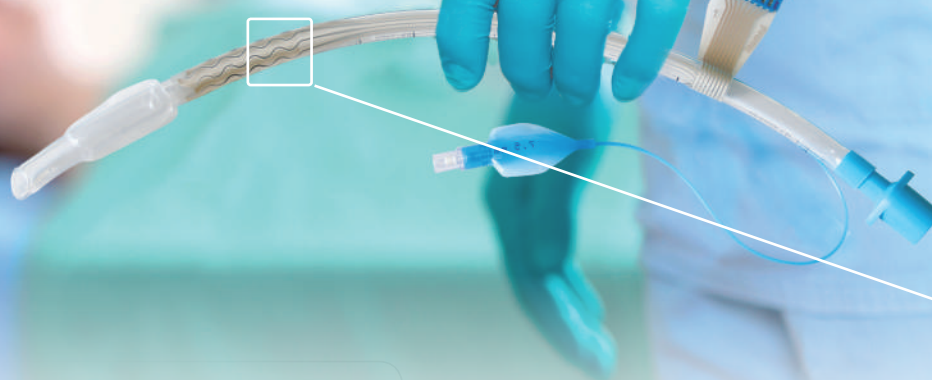
Unit 1

1.6
ALM Tube

ALM[®] Tube

» ALM[®] Tube

Ultimate reliability
in RLN monitoring



ALM Tube

with a variety of inner diameters for EMG recording, 4 channels with ground electrode, clear PVC tube, murphy type, latex free, single-use, EO-sterilized
Unit 4

Art.-No. inner diameter

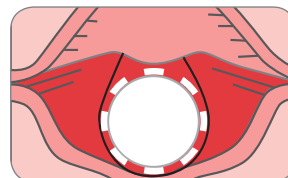
530 845 7mm

530 856 7.5mm

530 857 8mm

- » **Multifunctional combination** of a clear PVC ET tube and a surface electrode delivers the best possible EMG signal recording from the vocal cords
- » **Easy placement** of the recording electrode at the vocal cords is supported by an extended length of the sensor pads
- » **Low profile surface and smooth bevelled tube tip** to avoid trachea injuries

Reliable signal recording independent from tube rotation thanks to 360° surface coverage with eight recording electrodes



1 | Disposable Electrodes



1.7

Laryngeal Electrodes

Laryngeal Electrode Select




<https://shop.inomed.com>



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 mm ²	6 - 7 mm
530 856	37.6 x 37 mm	1057 mm ²	7 - 9 mm



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.	Length
530 869	4.0 m



Connecting Cable

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

Art.-No.	Length
530 867	4.0 m

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 mm ²	6 - 7 mm
530 656	32 x 37 mm	433.5 mm ²	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.	Length
530 665	2.0 m



Connecting Cable

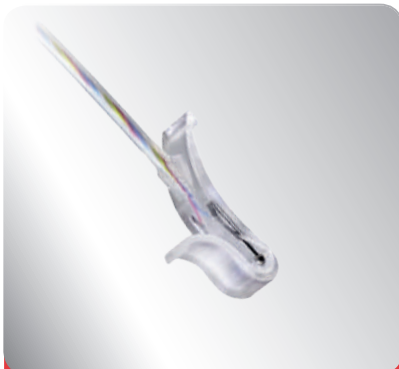
shielded for laryngeal electrodes,
2 channels differential with ground,
Redel connector,
bend protection blue,
delivered non-sterile, disinfectable
Unit 1

Art.-No.	Length
530 667	4.0 m

1 | Disposable Electrodes

1.8

delta Electrode



delta Electrode

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



Art.-
No.



522 620

delta Electrode

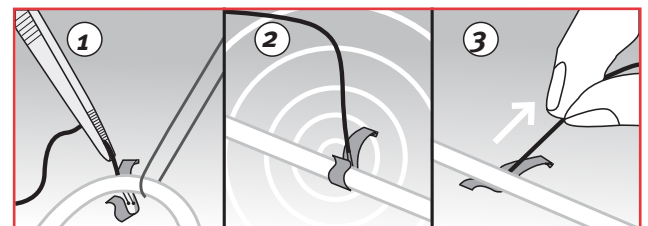
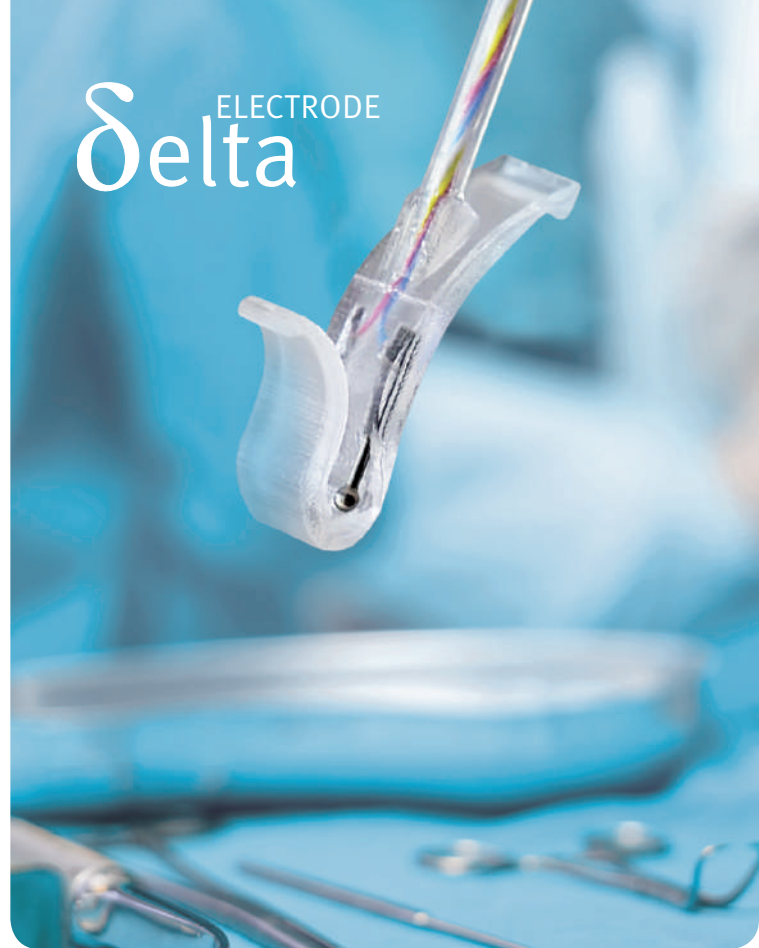
520 037

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



1.9

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.

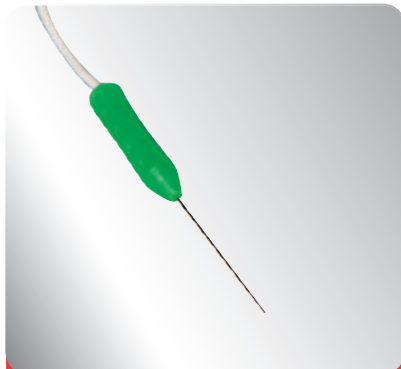


540 402 2.0 m

2 | Reusable Electrodes

2.1

Subdermal Needle-Electrodes (SDN Electrodes)



SDN Electrode

needle $\varnothing = 0.45$ mm
delivered non-sterile,
autoclavable
Unit 1



Art.-
No.

mm

m

520 057 15 mm 1.5 m ●

520 059 23 mm 1.5 m ●



SDN Electrodes

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

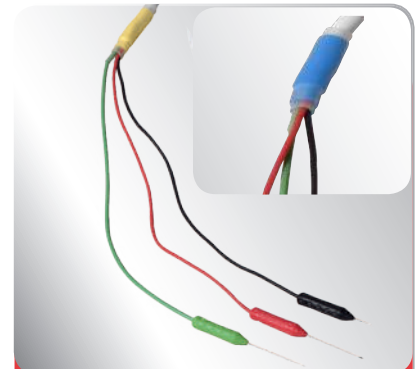


Art.-
No.

mm

m

530 050 20 mm 1.2 m ●●



SDN Electrodes trio

needle $\varnothing = 0.45$ mm
delivered non-sterile,
autoclavable
Unit 1



Art.-
No.

mm

m

530 038 15 mm 1.2 m ●●

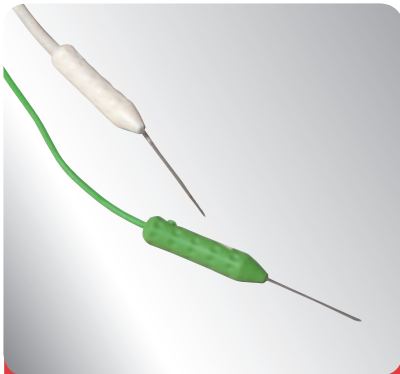
530 039 15 mm 1.2 m ●●

530 036 20 mm 1.2 m ●●

530 037 20 mm 1.2 m ●●

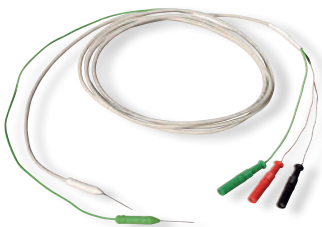


2.2
ECochG Electrodes



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 $\varnothing = 0.45$ 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 $\varnothing = 0.9$ 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

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3 | 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

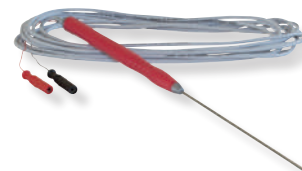


BCS Probe straight

bipolar concentric
Unit 10

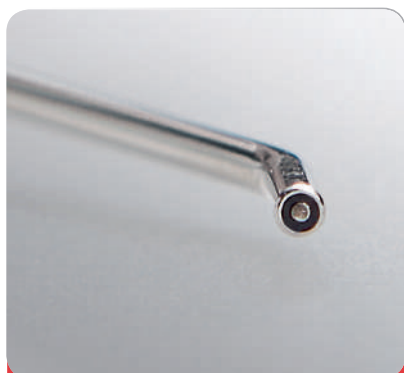


Art.-No.	cm	Total Length
522 603	4.5 cm	15.5 cm
522 601	9.0 cm	19.5 cm
522 630	13.0 cm	24 cm



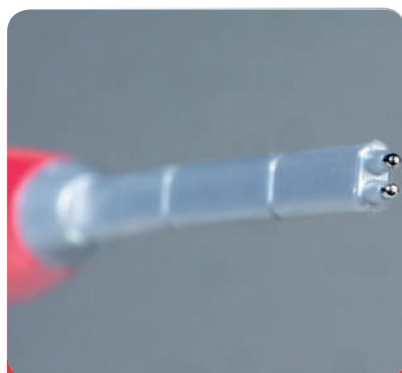
Art.-No.	cm	Total Length
522 600	9.0 cm	19.5 cm
522 629	13.0 cm	24 cm





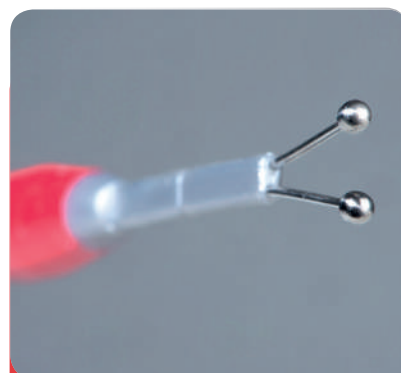
BCS Probe bayonet

bipolar concentric
Unit 10



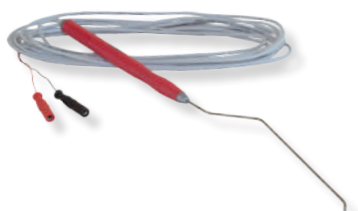
Micro Fork Probe straight

fork distance 2 mm,
fork length 3 mm
Unit 10



Fork Probe straight, ball tip

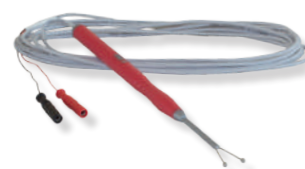
fork distance 8 mm,
fork length 15 mm,
Ø ball = 2 mm
Unit 10



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



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



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

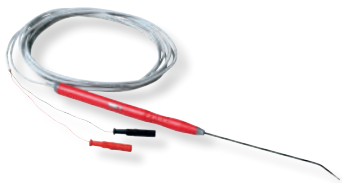


3 | Disposable Stimulation Probes



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.	cm	Total Length
522 618	9.0 cm	20.0 cm

522 618 9.0 cm 20.0 cm



Hook Probe bipolar, straight

hook distance 5 mm
Unit 10



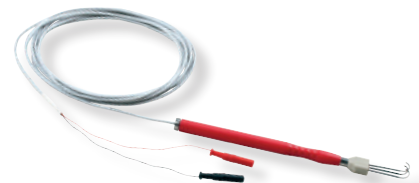
Art.-No.	cm	Total Length
522 625	2.2 cm	13.2 cm

522 625 2.2 cm 13.2 cm



Hook Probe tripolar, straight

hook distance 2.1 mm
Unit 10



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

522 626 2.5 cm 13.2 cm



3.2 Monopolar Stimulation Probes

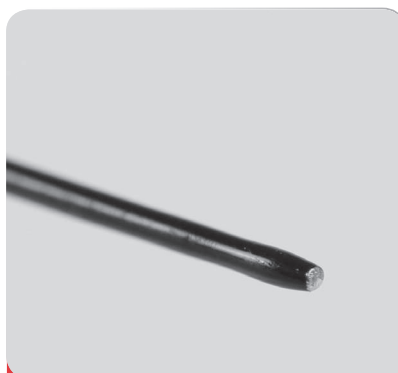


Stimulation Probe angled 30°

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



Stimulation Probe bayonet

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

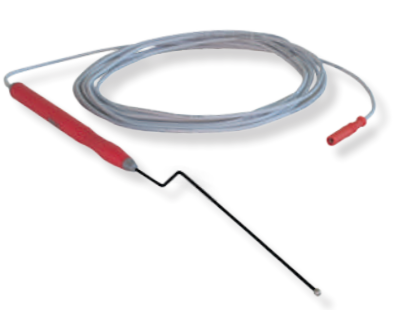


Surgical Instrument Raspatory

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



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



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



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



3.3

Mapping Suction Probe by Raabe



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

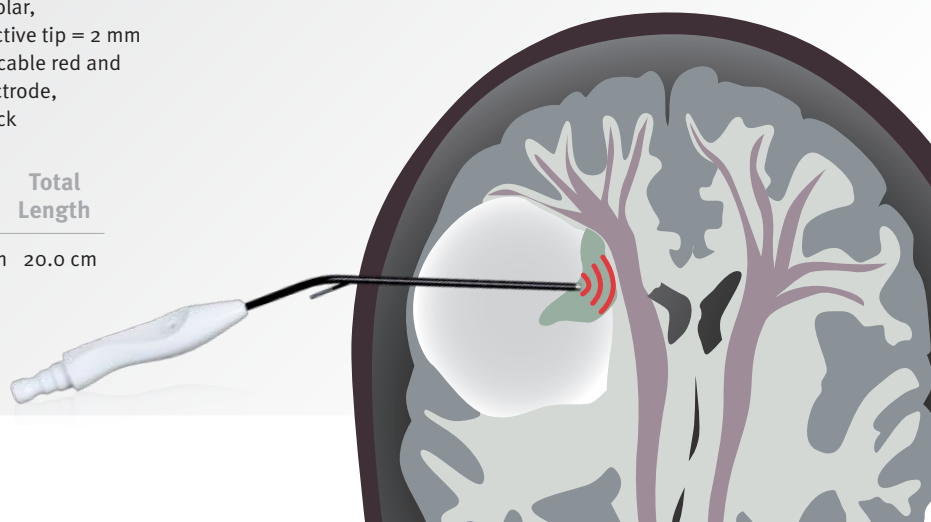
The package includes the single-use Mapping Suction Probe, a reference electrode and a connection cable to the electrical stimulator. The Mapping Suction Probe can be **connected to commonly used suction devices**.

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.	cm	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

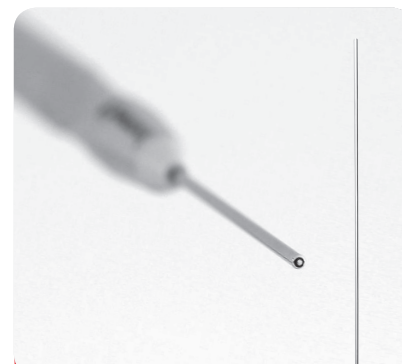
4.1.1

Straight bipolar concentric Stimulation Probes (BCS probes)



BCS Probe, angled 30°

bipolar concentric
Unit 1



BCS Probe, straight

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



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.



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

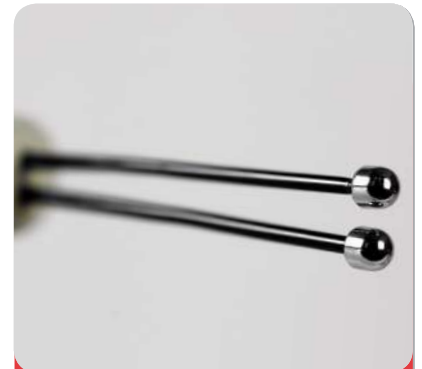


Art.-
No.



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.



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

bajonet **522 027** 40.0 cm 50.0 cm



Fork Probe bayonet, ball tip

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



Art.-
No.



Total
Length

522 003 13.0 cm 22.5 cm

4 | Reusable Stimulation Probes

4.1.4

Angled bipolar Stimulation Probes




Stimulation Probe, bipolar

for subcortical stimulation according to Prof. Galanda with 2 contacts, L = 2 mm after another, $\varnothing = 2$ 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°



4.1.5 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

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



520 078 0.7 m



522 130 30.0 cm

4 | Reusable Stimulation Probes

4.1.6

Hook Stimulation Probes



Micro Hook Probe bipolar, straight

hook distance 0.5 mm,
hook length 6mm
Unit 1



Micro Hook Probe, tripolar

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



Hook Probe, bipolar, straight

hook distance 5 mm
Unit 1



Art.-
No.



Total
Length

522 011 4.5 cm 15.0 cm



Art.-
No.



Total
Length

522 023 7.0 cm 17.5 cm



Art.-
No.



Total
Length

522 021 2.2 cm 13.0 cm



<https://shop.inomed.com>



Hook Probe, tripolar, straight

Hook distance 2.1 mm
Unit 1



Art.-
No.



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



monopolar, angled 30°

active tip = 2 mm ,
Ø = 1,5 mm
Unit 1



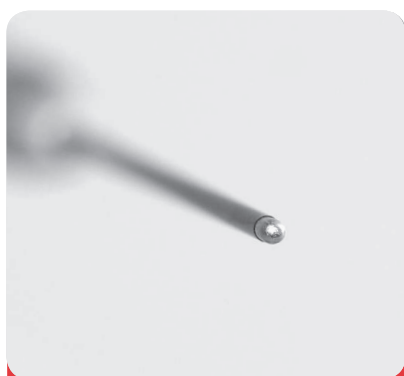
Art.-No.	cm	Total Length
525 207	2.5 cm	13.0 cm
525 210	6.0 cm	16.5 cm



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



<https://shop.inomed.com>



monopolar, straight

active tip = 2 mm ,
Ø = 1.5 mm
Unit 1

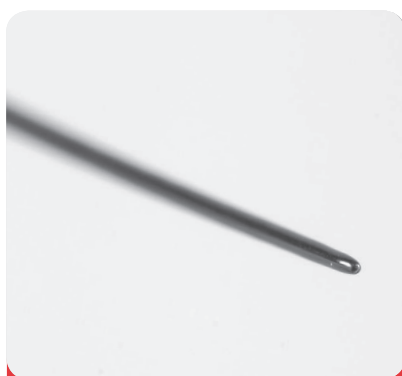


Art.-
No.



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.



Total
Length

525 208 9.0 cm 19.5 cm



monopolar, bayonet

active tip = 2 mm ,
Ø = 1.5 mm
Unit 1



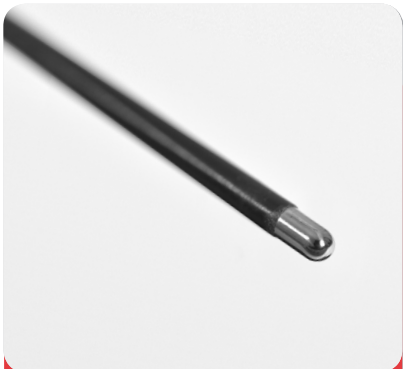
Art.-
No.



Total
Length

525 003 13.0 cm 23.0 cm

4 | Reusable Stimulation Probes



monopolar, bayonet

active tip = 2 mm,
 \varnothing = 1.5 mm
Unit 1



Art.- No.		Total Length
--------------	---	-----------------

525 206 13.0 cm 23.5 cm



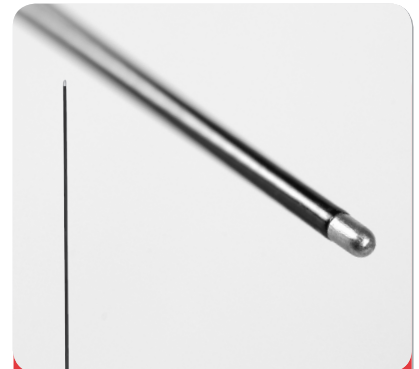
monopolar, straight, ball tip

\varnothing ball = 2 mm
Unit 1



Art.- No.		Total Length
--------------	---	-----------------

525 209 13.0 cm 23.5 cm



monopolar, straight

active tip = 2mm
Unit 1

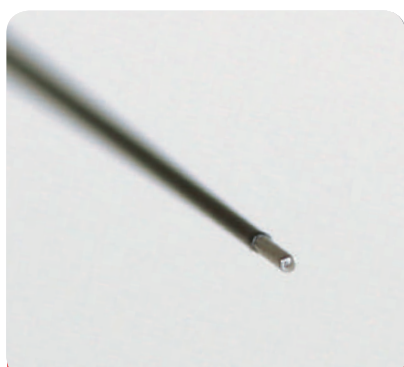


Art.- No.		Total Length
--------------	---	-----------------

525 211 31.0 41.5 cm



4.3 Surgical Instruments for monopolar Stimulation



Needle, monopolar, straight

active tip = 4 mm
Unit 1



Needle, monopolar, angled 30°

active tip = 4 mm
Unit 1



Raspary, monopolar

active tip = 6 mm
Unit 1



Art.-
No.



Total
Length

525 310 8.5 cm 19.0 cm



Art.-
No.



Total
Length

525 311 8.5 cm 19.0 cm



Art.-
No.



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.  Total
Length

525 313 8.5 cm 19.0 cm



Instrument, monopolar, ball tip

angled 90°,
Ø ball = 1 mm
Unit 1



Art.-
No.  Total
Length

525 315 8.5 cm 19.0 cm



Dissector, monopolar, curved

angled 30°,
active tip = 6 mm
Unit 1



Art.-
No.  Total
Length

525 316 8.5 cm 19.0 cm



<https://shop.inomed.com>



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.



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



520 024 4.0 m



Stimulation Cable

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



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:

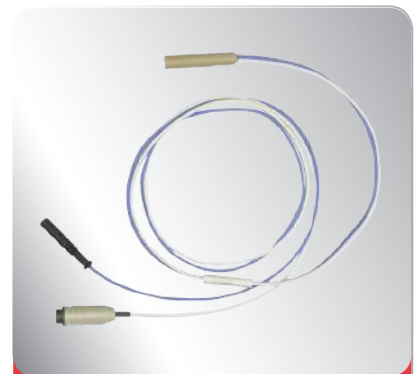


Stimulation Adaptor Cable

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



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



520 077 0.7 m

5. | Pelvic Neuromonitoring



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

Art.-No.

520 300

Unit 1

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



540 501 5.0 m



MEP-Stimulation Adaptor 5-12 Ch.

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



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



540 520 5.0 m



EP-Adaptor

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



540 521 5.0 m



EMG/MEP-Adaptor

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



540 530 5.0 m



EMG-Electrode mini box

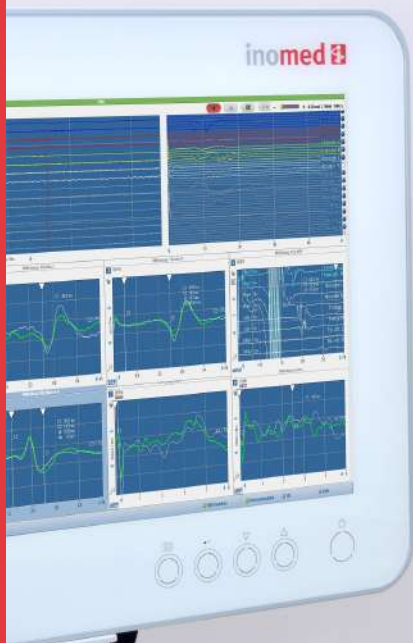
4 channels with Ground, 8 x 1.5 mm touchproof connector, delivered non-sterile, non-autoclavable
Unit 1



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 | Overview of Boxes and Cables for Stimulation and Recording

6.4

Reusable Stimulation Cables



Stimulation cable

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

Unit 1



520 024 4.0 m



Stimulation cable

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

Unit 1



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



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



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



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.	Length
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.	Length
540 304	2.0 m




Grid extension cable

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

Unit 1

Art.-No.	Length
540 308	2.0 m




Grid extension cable

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

Unit 1

Art.-No.	Length
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.	Length
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.	Length
610 132	2.0 m

6 | Overview of Boxes and Cables for Stimulation and Recording



Adaptor cable 1 x 8

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



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



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



610 136 0.3 m



Adaptor cable 2 x 8

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



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



540 402 2.0 m

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 | Other Accessories


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

to suppress sound output during electrocautery

Unit 1

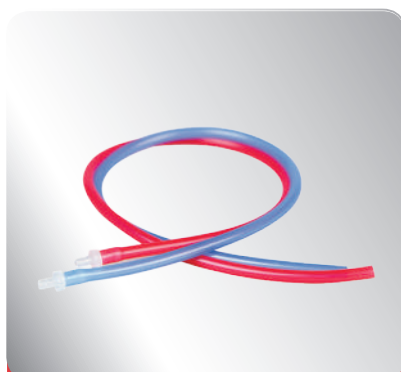
Art.-No.	
510 025	4.0 m



Replacement tube nipples

for sound tubes and foam ear tips
Unit 10

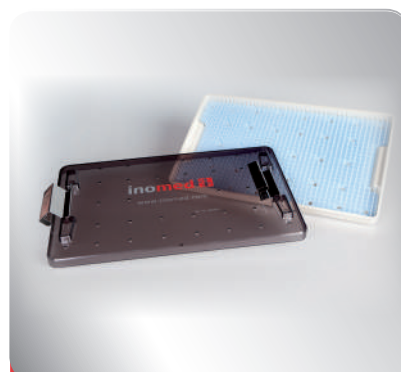
Art.-No.
540 349



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.

The application examples are based on the multimodal ISIS IOM system.

These are recommendations of inomed Medizintechnik GmbH. Deviations and changes are reserved for 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	533 646	X	SDN electrodes SET, 15/2000 mm Single use only, ETO-sterilized	6	EMG recording
1	10	533 651		SDN electrode GN 20/1500 mm Single use only, ETO-sterilized	5	Ground for EMG Recording
1	1	611 014	X	Cortex-Strip electrode 4 contacts, 1 Strip with cable Single use only, ETO-sterilized	13	EEG
1	10	533 629		SDN electrode WH 15/1000 Single use only, ETO-sterilized	5	EEG Reference
1	10	533 651		SDN electrode GN 20/1500 mm Single use only, ETO-sterilized	5	EEG Ground

8 | Application examples

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
1	1	611 014		Cortex-Strip electrode 4 contacts, 1 Strip with cable Single use only, ETO-sterilized	13	Monitoring functional integrity of the corticospinal tract during mapping
2	10	533 646		SDN electrodes SET colorful, 15/2000 mm Single use only, ETO-sterilized	6	MEP recording for small muscles
2	10	533 666		SDN electrodes SET colorful, 20/2000 mm Single use only, ETO-sterilized	6	MEP recording for big muscles
1	10	533 651		SDN electrode GN 20/1500 mm Single use only, ETO-sterilized	5	Ground
1	10	525 600	Alternative to 525 650	Stimulation probe 45mm, monopolar, angled 30°, Single use only, ETO-sterilized	29	Direct cortical and subcortical stimulation
1	1	611 014	X	Cortex-Strip electrode 4 contacts, 1 Strip with cable Single use only, ETO-sterilized	13	EEG
1	10	533 629		SDN electrode WH 15/1000 Single use only, ETO-sterilized	5	EEG Reference
1	10	533 651		SDN electrode 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 interconnection of grid electrode contacts and TES MEP electrodes
1	1	540 510		MEP Stimulation adaptor for Grid/TES Stimulation matrix, 8 Channels high current stimulation, delivered non-sterile, non-autoclavable	51	For stimulation via Grid/Strip electrode usable

8.1.3 SEP Phase Reversal

Quantity per application	Unit	Art. No.	Optional	Description	P.	inomed recommendation
1	1	611 014		Cortex-Strip electrode 4 contacts, 1 Strip with cable Single use only, ETO-sterilized	13	SEP recording
1	10	533 637		SDN electrodes RD/BK, 15/2000 Single use only, ETO-sterilized	5	Median nerve SEP stimulation
1	10	533 629		SDN electrode WH 15/1000 Single use only, ETO-sterilized	5	Reference
1	10	533 651		SDN electrode 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	4	530 845		ALM Tube, I.D. 7.0 For the connection to the system, the cable 530 867 is necessary, Single use only, ETO-sterilized	18	N. Vagus / N. Recurrens
1	4	530 846	Alternative to 530845	ALM Tube, I.D. 7.5 For the connection to the system, the cable 530 867 is necessary, Single use only, ETO-sterilized	18	
1	4	530 847	Alternative to 530845	ALM Tube, I.D. 8.0 For the connection to the system, the cable 530 867 is necessary, Single use only, ETO-sterilized	18	
1	20	534 645		Double Needle Set colorful, 12/1500,2.5mm Single use only, ETO-sterilized	8	Glossopharyngeal nerve
1	20	534 645		Double Needle Set colorful, 12/1500,2.5mm Single use only, ETO-sterilized	8	Hypoglossal nerve
2	15	534 645		Double Needle Set colorful, 12/1500, 2.5mm 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	533 651		SDN electrode 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 | Application examples

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	533 637		SDN electrodes RD/BK, 15/2000 mm Single use only, ETO-sterilized	5	Median nerve SEP stimulation
2	20	534 645		Double Needle Set colorful, 12/1500, 2.5mm 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	533 626		SDN electrode RD, 15/1000 mm Single use only, ETO-sterilized	5	AEP recording right
1	10	533 621		SDN electrode BU, 15/1000 mm Single use only, ETO-sterilized	5	AEP recording left
2	10	533 651		SDN electrode 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	533 646		SDN electrodes SET, 15/2000 mm Single use only, ETO-sterilized	6	EMG recording, MEP recording for small muscles
6	10	533 666		SDN electrodes SET, 20/2000 mm Single use only, ETO-sterilized	6	EMG recording, MEP recording for big muscles
2	10	533 651		SDN electrode 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

<https://shop.inomed.com>

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	533 637		SDN electrodes SET, 15/2000 mm Single use only, ETO-sterilized	5	Median nerve SEP stimulation
1	10	533 651		SDN electrode GN 20/1500 mm Single use only, ETO-sterilized	5	Ground
2	10	533 657	X	SDN electrodes 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 touchproof connector, single use, ETO sterilized	26	Direct nerve stimulation, bipolar
2	15	534 641		Double Needle Electrode, 2 channel set, 12/1500, 2.5mm inclusive SDN electrode green 15/1500 for e.g. orbicularis oris and orbicularis oculi muscle Single use only, ETO-sterilized	8	EMG recording for facial monitoring

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 touchproof connector, single use, ETO sterilized	26	Direct nerve stimulation bipolar
1	4	530 845		ALM Tube, I.D. 7.0 For the connection to the system, the cable 530 867 is necessary, Single use only, ETO-sterilized	18	
1	4	530 846	Alternative to 530845	ALM Tube, I.D. 7.5 For the connection to the system, the cable 530 867 is necessary, Single use only, ETO-sterilized	18	
1	4	530 847	Alternative to 530845	ALM Tube, I.D. 8.0 For the connection to the system, the cable 530 867 is necessary, Single use only, ETO-sterilized	18	
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 | Application examples

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	533 637		SDN electrodes RD/BK, 15/2000 mm Single use only, ETO-sterilized	5	Median nerve SEP stimulation
2	10	533 657		SDN electrodes RD/BK, 20/2000 mm Single use only, ETO-sterilized	5	Tibial nerve SEP stimulation
2	10	533 646		SDN electrodes SET, 15/2000 mm Single use only, ETO-sterilized	6	EMG recording, MEP recording for small muscles
4	10	533 666		SDN electrodes SET, 20/2000 mm Single use only, ETO-sterilized	6	EMG recording, MEP recording for big muscles
1	5	530 684		FSRo2 Electrode, Flexible 2-pole recording and stimulation electrode Single use only, ETO-sterilized	15	D-wave
2	10	533 651		SDN electrode 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	533 637		SDN electrodes RD/BK, 15/2000 mm Single use only, ETO-sterilized	5	Median nerve SEP stimulation
2	10	533 657		SDN electrodes RD/BK, 20/2000 mm Single use only, ETO-sterilized	5	Tibial nerve SEP stimulation
2	10	533 646		SDN electrodes SET, 15/2000 mm Single use only, ETO-sterilized	6	EMG recording, MEP recording for small muscles
4	10	533 666		SDN electrodes SET, 20/2000 mm Single use only, ETO-sterilized	6	EMG recording, MEP recording for big muscles
2	10	533 651		SDN electrode 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	533 666		SDN electrodes SET, 20/2000 mm Single use only, ETO-sterilized	6	EMG recording
1	10	533 651		SDN electrode GN 20/1500 mm Single use only, ETO-sterilized	5	Ground
1	10	525 615	Alternative to 525 616	Stimulation probe 85 mm, monopolar, bayonet, ball tip Single use only, ETO-sterilized	30	Pedicle screw stimulation
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.	37	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.



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Functional Neurosurgery
Pain Treatment
Neurological Diagnostics

- >> Partnership
- >> Precision
- >> Innovation

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