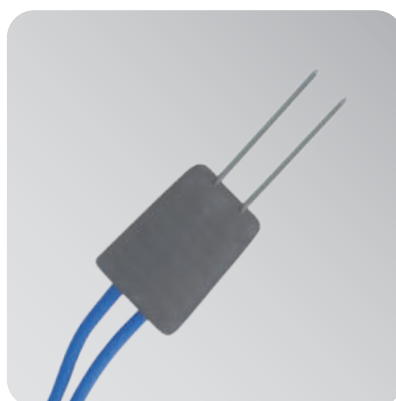
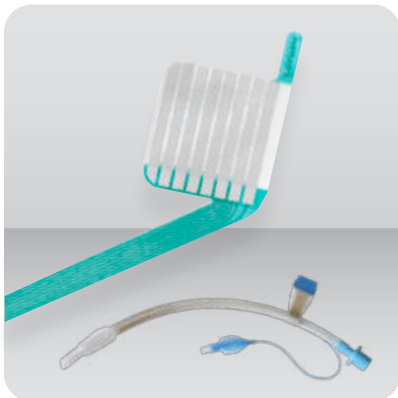




Intraoperative Neuromonitoring
Functional Neurosurgery
Pain Treatment
Neurological Diagnostics

IONM Accessories



**Catalogue for
Intraoperative
Neuromonitoring
Accessories**

**Electrodes
Probes
New accessories
Application examples**



1 | DISPOSABLE ELECTRODES 4

1.1 Subdermal Needle Electrodes (SDN Electrodes)	5
1.1.1 SDN Electrodes Slimline	5
1.1.1 SDN Electrodes Slimline Sets	6
1.1.2 SDN Electrodes Trigon	7
1.1.3 Double Needle Channel Sets	8
1.1.4 SDN Hooked Electrodes	9
1.1.5 SDN Pediatric Electrodes	9
1.1.6 Insulated SDN Electrodes	10
1.1.7 SDN Electrodes for Cranial Nerves	10
1.1.8 Corkscrew Electrodes	12
1.2 Strip Electrodes	12
1.3 Electrodes for AEP Near-field Potentials	13
1.4 Electrode for Spinal Applications	13
1.5 Hook Wire Electrodes	14
1.6 ALM Tube	16
1.7 Laryngeal Electrode Select	17
1.8 Laryngeal Electrode	17
1.9 DELTA Electrode	18
1.10 Surface Electrodes	19

2 | REUSABLE ELECTRODES 20

2.1 Subdermal Needle Electrodes (SDN Electrodes)	20
2.2 ECoG Electrodes	21

3 | DISPOSABLE STIMULATION PROBES 22

3.1 Bipolar Stimulation Probes	24
3.2 Monopolar Stimulation Probes	27
3.3 Stimulation Clip for Söring Micro Instruments	28
3.4 Mapping Suction Probe	29

4 | REUSABLE STIMULATION PROBES 30

4.1 Bipolar Stimulation Probes	30
4.1.1 Straight Bipolar Concentric Stimulation Probes	30
4.1.2 Bayonet-shaped Bipolar Concentric Stimulation Probes	31
4.1.3 Forked Bipolar Stimulation Probes	32
4.1.4 Angled Bipolar Stimulation Probes	34
4.1.5 Hook Stimulation Probes	34

4.2 Monopolar Stimulation Probes 36

4.3 Surgical Instruments for Monopolar Stimulation 39

4.4 Pedicle Stimulation Probe 42

4.5 Adaptor and Stimulation Cables for Reusable Stimulation Probes 43

5 | PELVIC NEUROMONITORING (pIOM) 44

6 | OTHER ACCESSORIES 45

6.1 VEP Stimulation 45

6.2 AEP Stimulation 46

6.3 Further Accessories 46

7 | OVERVIEW OF BOXES AND CABLES 47

7.1 Stimulation Boxes 47

7.2 Recording Boxes 47

7.3 Switch Boxes 49

7.4 C2 Xplore 50

7.5 C2 Xplore Adaptor Boxes 51

7.6 Reusable Stimulation Cables 52

7.7 Reusable Recording Cables 53

8 | APPLICATION EXAMPLES 54

8.1 Functional Mapping 54

8.1.1 Speech Mapping 54

8.1.2 Motor Mapping 55

8.1.3 SEP Phase Reversal 55

8.2 Cranial Nerve Monitoring 56

8.3 Interventions in the Cerebellopontine Angle 57

8.4 Rhizotomy 57

8.5 Vascular Neurosurgery 58

8.6 Vascular Surgery 58

8.7 ENT Surgery 58

8.8 Thyroid Surgery 59

8.9 Spine Surgery/Orthopaedics 59

8.9.1 Intramedullary Tumor 59

8.9.2 Spinal Deformities 60

8.9.3 Stimulation for Pedicle Screw Placement (Using ISIS IOM System) 60

8.10 Pelvic Neuromonitoring 61

9 | INDEX 62

» 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 29

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



» C2 Xplore > page 50

- Simplification by digitalisation and automation
- > The ultimate in user-friendliness
 - > Flexibility for cost-effectiveness
 - > Maximum interconnection – Inside and outside the OR
 - > Broaden your knowledge and connect with international experts

» DELTA Electrode > page 18

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



» ALM Tube > page 16

- > 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 44

- > All accessories in one set – also available for non-invasive recording
- > Intuitive short instruction 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!



1 | Disposable Electrodes



Electrodes

1 | DISPOSABLE ELECTRODES 4

1.1 Subdermal Needle Electrodes (SDN Electrodes)	5
1.1.1 SDN Electrodes Slimline	5
1.1.1 SDN Electrodes Slimline Sets	6
1.1.2 SDN Electrodes Trigon	7
1.1.3 Double Needle Channel Sets	8
1.1.4 SDN Hooked Electrodes	9
1.1.5 SDN Pediatric Electrodes	9
1.1.6 Insulated SDN Electrodes	10
1.1.7 SDN Electrodes for Cranial Nerves	10
1.1.8 Corkscrew Electrodes	12
1.2 Strip Electrodes	12
1.3 Electrodes for AEP Near-field Potentials	13
1.4 Electrode for Spinal Applications	13

1.5 Hook Wire Electrodes	14
--------------------------------	----

1.6 ALM Tube	16
--------------------	----

1.7 Laryngeal Electrode Select	17
--------------------------------------	----

1.8 Laryngeal Electrode	17
-------------------------------	----

1.9 DELTA Electrode	18
---------------------------	----

1.10 Surface Electrodes	19
-------------------------------	----

2 | REUSABLE ELECTRODES 20

2.1 Subdermal Needle Electrodes (SDN Electrodes)	20
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2.2 ECoG Electrodes	21
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<https://shop.inomed.com>

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

The SDN electrodes have a 1.5 mm touchproof connector. The electrodes are sterilized with EO 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,
EO sterilized
Unit 10



SDN Electrodes **Slimline**

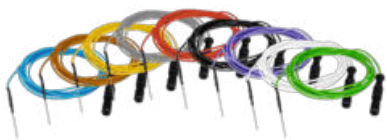
Ø = 0.45 mm
single use only,
EO sterilized
Unit 10



Art. No.	length	mm	
533 621	15 mm	1.0 m	Blue
533 622	15 mm	1.0 m	Brown
533 623	15 mm	1.0 m	Yellow
533 624	15 mm	1.0 m	Grey
533 626	15 mm	1.0 m	Red
533 627	15 mm	1.0 m	Black
533 628	15 mm	1.0 m	Purple
533 629	15 mm	1.0 m	White
533 625	15 mm	1.0 m	Green
533 651	20 mm	1.5 m	Green
533 653	20 mm	3.0 m	Green



Art. No.	length	mm	
533 631	15 mm	1.0 m	Blue/Black
533 633	15 mm	1.0 m	Yellow/Black
533 634	15 mm	1.0 m	Grey/Black
533 638	15 mm	1.0 m	Purple/Black
533 636	15 mm	1.5 m	Red/Black
533 637	15 mm	2.0 m	Red/Black
533 656	20 mm	1.5 m	Red/Black
533 657	20 mm	2.0 m	Red/Black
533 658	20 mm	2.0 m	Blue/Black
533 671	30 mm	2.0 m	Red/Black
533 675	40 mm	2.0 m	Red/Black
Sets > next page			Blue/Black, Yellow/Black, Grey/Black



1 | Disposable Electrodes

1.1.1 SDN Electrodes Slimline

SDN Electrodes **Slimline Trio**

Ø = 0.45 mm
single use only,
EO sterilized
Unit 10

Art.
No.

mm



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,
EO sterilized
10 colourful electrode pairs

Art.
No.

mm



533 646 15 mm 2.0 m

533 666 20 mm 2.0 m





<https://shop.inomed.com>

1.1

Subdermal Needle Electrodes (SDN Electrodes)

1.1.2

SDN Electrodes Trigon

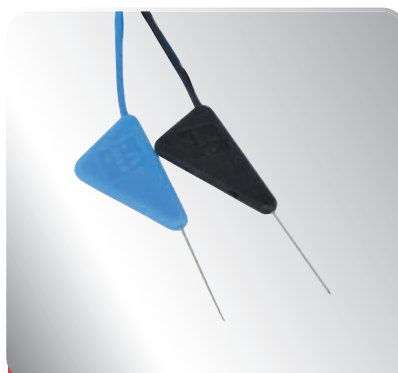


SDN Electrode **Trigon**

Ø = 0.45 mm
single use only,
EO sterilized
Unit 10



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	●
532 654	20 mm	3.0 m	●



SDN Electrodes **Trigon**

Ø = 0.45 mm
single use only,
EO sterilized
Unit 10



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	●



SDN Electrodes **Trio Trigon**

Ø = 0.45 mm
single use only,
EO sterilized
Unit 10



532 641	15 mm	1.5 m	●
532 661	20 mm	1.5 m	●

1 | Disposable Electrodes

1.1

Subdermal Needle Electrodes (SDN Electrodes)

1.1.2

SDN Electrodes Trigon



SDN Electrodes **Trigon Set**

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



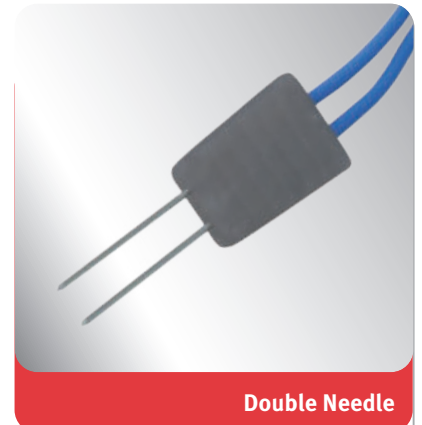
532 646 15 mm 2.0 m

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,
EO sterilized
Unit 15 or 20



Double needle channel sets

Art. No.	 mm		Unit	Application	
2 channel with 5 SDN electrodes green (15 mm/1.5 m)					
534 641	12 mm	1.5 m	15	for 5	5x  + 5x 
534 671					5x  + 5x 
2 channel with 5 SDN electrodes green (15 mm/1.5 m) and SDN counter electrode red (20 mm/3 m)					
534 673	12 mm	1.5 m	20	for 5	5x  + 5x  + 5x 
4 channel with 4 SDN electrodes green (15 mm/1.5 m)					
534 643	12 mm	1.5 m	20	for 4	4x    + 4x 
Coloured double needle channel set					
534 645	12 mm	1.5 m	20	colourful set	4x    
534 646	18 mm				



<https://shop.inomed.com>

1.1.4 SDN Hooked Electrodes



SDN Hooked Electrodes Set

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



Art.
No.

mm



532 730

30 mm

1.5 m



1.1.5 SDN Pediatric Electrodes



SDN Pediatric Electrodes

Ø = 0.35 mm
single use only,
EO sterilized
Unit 10



Art.
No.

mm



532 720

6 mm

1.5 m



SDN Pediatric Electrodes

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



Art.
No.

mm



532 722

12 mm

1.5 m



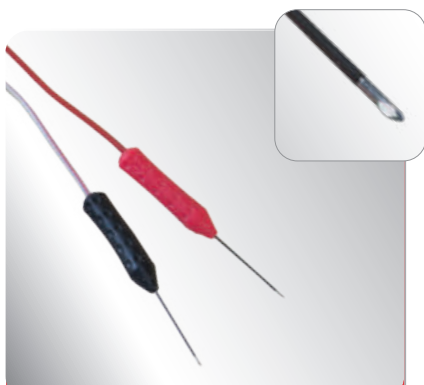
1 | Disposable Electrodes

1.1

Subdermal Needle Electrodes (SDN Electrodes)

1.1.6

Insulated SDN Electrodes



Insulated SDN Electrodes

needle insulated,
 $\varnothing = 0.45$ mm,
 2 mm blunt tip,
 single use only,
 EO sterilized
Unit 10



Art.
No.

mm

m

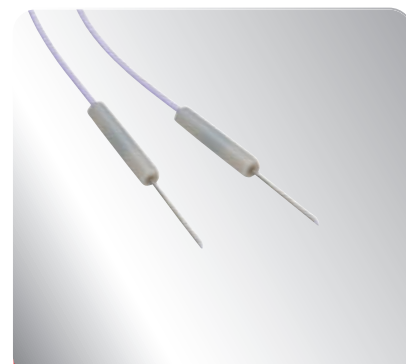
530 683 15 mm 2.0 m



530 680 25 mm 1.2 m

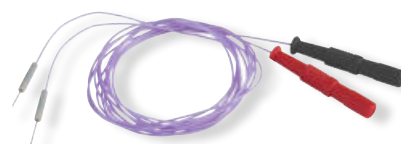
1.1.7

SDN Electrodes for Cranial Nerves



SDN Electrodes for Cranial Nerves

for hypoglossal nerve/
 glossopharyngeal nerve/vagus nerve
 needle $\varnothing = 0.45$ mm,
 for application with
 Vocalis Electrode Applicator (530 121),
 single use only, EO sterilized
Unit 10



Art.
No.

mm

m

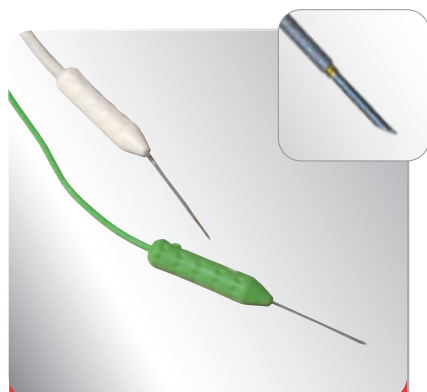
532 609 9 mm 1.5 m

532 610 9 mm 1.5 m

532 611 9 mm 1.5 m

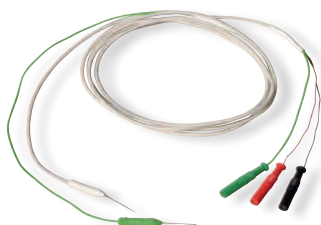


<https://shop.inomed.com>



Electrode for Vocal Musle, bipolar

for vagus nerve/recurrent nerve
with neutral electrode, 30° angled,
single use only, EO sterilized
Unit 10



530 666 15 mm 1.5 m



SDN Electrodes for Cranial Nerves

for trigeminal nerve/accessory nerve
90° angled, insulated, 3 mm blanc tip,
needle Ø = 0.45 mm,
single use only, EO sterilized
Unit 10



530 607 20 mm 1.2 m



Oculomotor Electrode, bipolar

for oculomotor nerve/trochlear nerve/
abducens nerve,
single use only, EO 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,
EO sterilized



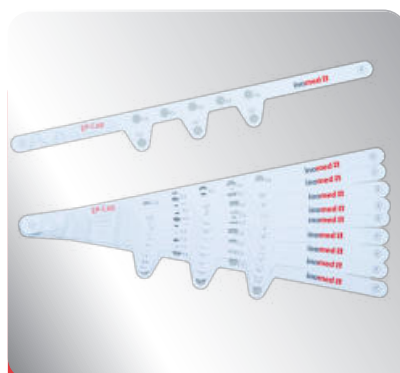
Art.
No.

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,
delivered non-sterile
10 sets

Art.
No.

530 770

1.2 Strip Electrodes



Cortex Strip Electrode

with connection cable,
1.5 mm touchproof connectors,
contact diameter 4.0 mm,
contact distance 10 mm,
single use, EO sterilized



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



<https://shop.inomed.com>

1.3 Electrodes for AEP Near-field Potentials

1.4 Electrode for Spinal Applications



Tympanon Electrode

for recording of AEP near-field 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, EO sterilized
Unit 5



FSR Electrodes

flexible recording and stimulation electrode for corticospinal and other applications
single use only, EO sterilized
Unit 5



Art.
No.



530 453 1.5 m



Art.
No.



530 455 1.5 m



Art.
No.

Contacts



530 684	2	9 mm	2.0 m	
530 685	3	9 mm	2.0 m	

1 | Disposable Electrodes

1.5 Hook Wire Electrodes



***Hook Wire Electrode**

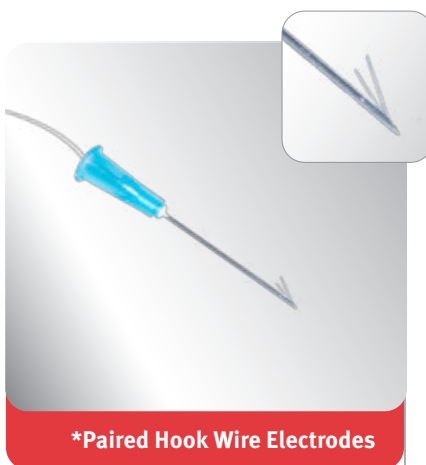
with 1.5 mm touchproof connector,
needle Ø = 0.45 mm,
single use only, EO sterilized
Unit 6

Art.
No.

mm

cm

530 602 13 mm 40 cm



***Paired Hook Wire Electrodes**

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

Art.
No.

mm

cm

530 603 30 mm 40 cm



Adapter Cable



Art.
No.

cm

520 036 1.5 m

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



<https://shop.inomed.com>



Paired Hook Wire Electrode

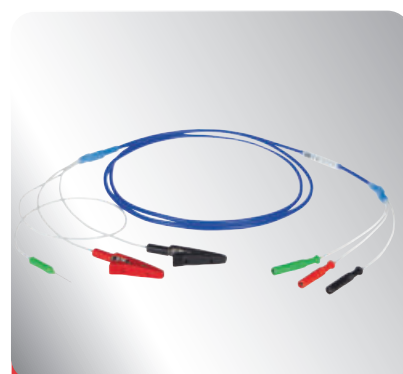
Ø = 0.07 mm, L = 30 cm,
packed in pair in cannula tube,
single use only, EO sterilized
**only in combination with
hook wire applicator**

Unit 10

Art.
No.



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.



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
ALM Tube

» ALM Tube

Ultimate reliability
in RLN monitoring

ALM Tube



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

Art.
No.

Inner Diameter

530 845 7 mm

530 846 7.5 mm

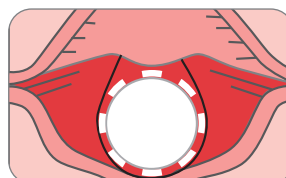
530 847 8 mm

Unit 4

Connecting cable > next page

- » **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



<https://shop.inomed.com>

1.7 Laryngeal Electrode Select



Laryngeal Electrode Select

4 channels,
with adhesive neutral electrode,
single use only,
EO 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
Select and ALM Tube,
2 or 4 channels differential with ground,
5 or 9 x 1.5 mm touchproof connector,
delivered non-sterile, disinfestable

Unit 1

Art. No.	Channels
530 869	4.0 m 2
530 868	4.0 m 4



Connecting Cable

shielded for laryngeal electrodes
Select and ALM Tube,
4 channel differential with ground,
Redel connector,
delivered non-sterile, disinfestable

Unit 1

Art. No.	
530 867	4.0 m

1.8 Laryngeal Electrode



Laryngeal Electrode

2 channels,
with adhesive neutral electrode,
single use only,
EO 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,
delivered non-sterile, disinfestable

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, disinfestable

Unit 1

Art. No.	
530 667	4.0 m

1 | Disposable Electrodes

1.9 DELTA Electrode



DELTA Electrode

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



Art.
No.



522 620

DELTA Electrode

520 037

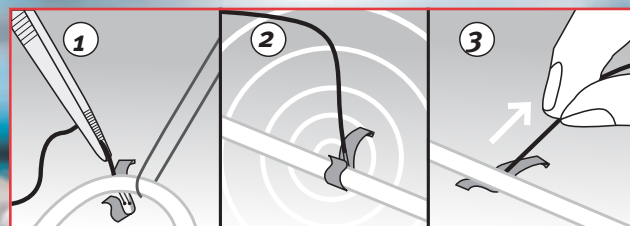
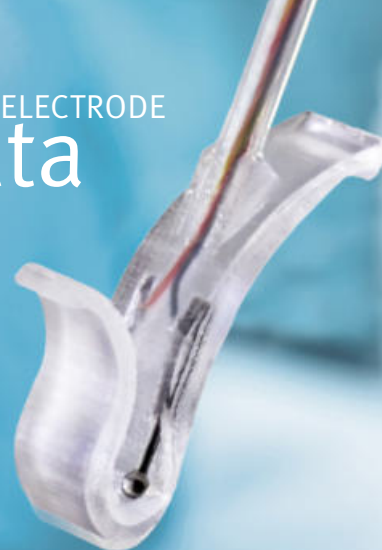
4.0 m

Connection cable
delivered non-sterile,
autoclavable

Unit 1



ELECTRODE
delta



- » 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 optimised shape and the elasticity of the electrode body



DELTA Electrode

Disposable continuous stimulation
electrode for vagus stimulation with
sterile connection cable,
single use only,
EO sterilized

Art.
No.



522 623 3.4 m

Unit 5



<https://shop.inomed.com>

1.10 Surface Electrodes

The electrodes are delivered non-sterile and are not autoclavable



***Surface Electrode**

with snap button 57 x 34 mm
with gel,
single use only,
delivered non-sterile
Unit 500

Art.
No.

530 677



***Surface Electrodes**

with snap button 35 x 22 mm
single use only, delivered non-sterile
Unit 30

Art.
No.

530 690



***Surface Electrodes**

adhesive, 23 x 23 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

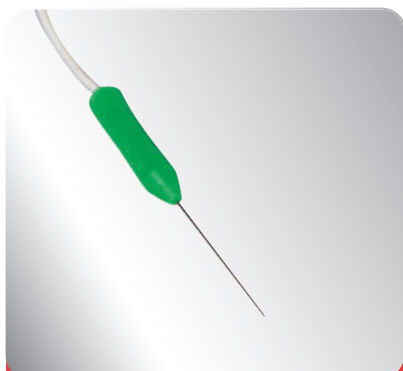
Art.
No.

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

m

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

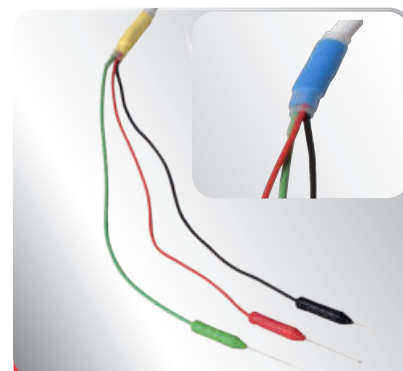


Art.
No.

mm

m

530 050 20 mm 1.2 m ●●



SDN Electrodes Trio

needle Ø = 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 ●●●

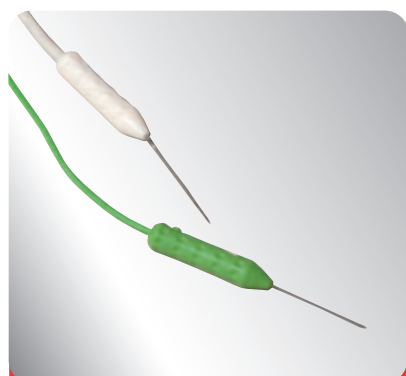
530 036 20 mm 1.2 m ●●●

530 037 20 mm 1.2 m ●●●



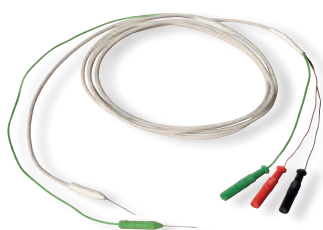
<https://shop.inomed.com>

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



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,
insulated with trocar tip,
delivered non-sterile,
autoclavable
Unit 1



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,
insulated shaft,
with active and rounded tip,
delivered non-sterile,
autoclavable
Unit 1



530 420	55 mm	0.6 m	
----------------	-------	-------	--

Bipolar Promontory Stimulation Electrode

Needle $\varnothing = 0.76$ mm,
Cable length = 1.2 m
Single use,
EO sterilized
Unit 5



530 425



55 mm

3 | Disposable Stimulation Probes



STIMULATION PROBES

3 DISPOSABLE STIMULATION PROBES	22
3.1 Bipolar Stimulation Probes	24
3.2 Monopolar Stimulation Probes	27
3.3 Stimulation Clip for Söring Micro Instruments	28
3.4 Mapping Suction Probe	29
4 REUSABLE STIMULATION PROBES	30
4.1 Bipolar Stimulation Probes	30
4.1.1 Straight Bipolar Concentric Stimulation Probes	30
4.1.2 Bayonet-shaped Bipolar Concentric Stimulation Probes	31
4.1.3 Forked Bipolar Stimulation Probes	32
4.1.4 Angled Bipolar Stimulation Probes	34
4.1.5 Hook Stimulation Probes	34
4.2 Monopolar Stimulation Probes	36
4.3 Surgical Instruments for Monopolar Stimulation	39
4.4 Pedicle Stimulation Probe	42
4.5 Adaptor and Stimulation Cables for Reusable Stimulation Probes	43



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. Bipolar probes exist in different shapes for a wide range of applications from direct cortical stimulation to stimulation and recording of direct nerve action potentials (NAPs). Bipolar probes focus the stimulation current on the area close to the probe tip and can be delivered in a variety of geometries.

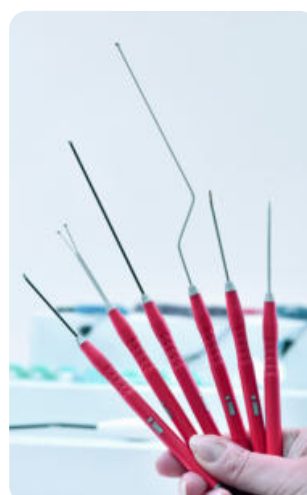
The concentric probe has a blunt tip and enables a selective and atraumatic nerve stimulation. The BCS probes (BCS = bipolar concentric stimulation) can be used for stimulation of peripheral and cranial nerves as well as at the brain stem.

MONOPOLAR STIMULATION PROBES AND SURGICAL INSTRUMENTS

Monopolar probes are used for a sensitive stimulation. The stimulation current flows homogeneously 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 counter electrode, which is placed outside the stimulation region. The counter 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.



3 | Disposable Stimulation Probes

Disposable stimulation probes are sterilized with EO 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

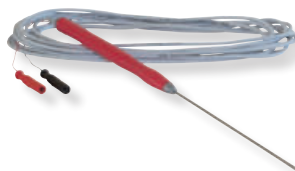


BCS Probe bayonet

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
522 627	23.0 cm	34 cm



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



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





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Micro Fork Probe straight

fork distance 2 mm,
fork length 3 mm

Unit 10

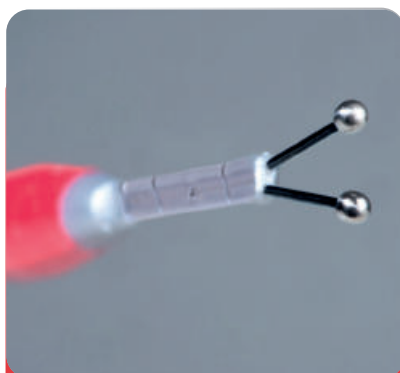


Art.
No.



Total
Length

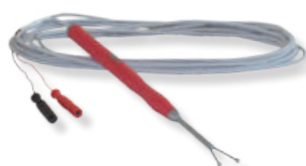
522 610 4.5 cm 15.5 cm



Fork Probe straight, ball tip

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

Unit 10

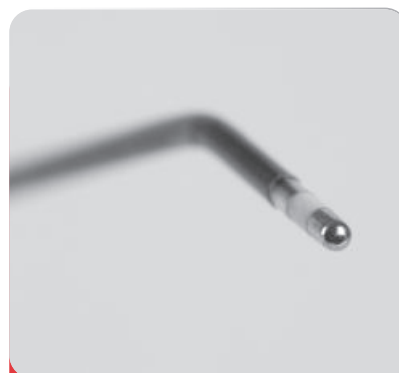


Art.
No.



Total
Length

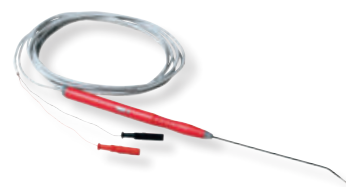
522 624 4.5 cm 15.5 cm



Stimulation Probe 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

3 | Disposable Stimulation Probes



Hook Probe bipolar, straight

hook distance 5 mm
Unit 10

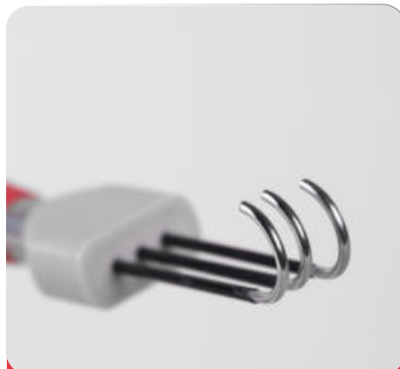


Art.
No.



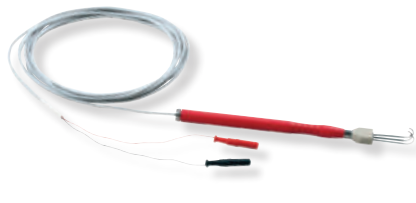
Total
Length

522 625 3.5 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



Lap Probe

for laparoscopic procedures,
forked probe, bipolar,
ball tip, Ø ball = 2 mm,
fork distance 5 mm,
cable length 5m
Unit 10



Art.
No.



Total
Length

520 352 1 cm 2 cm



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3.2 Monopolar Stimulation Probes



Stimulation Probe angled 30°

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



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

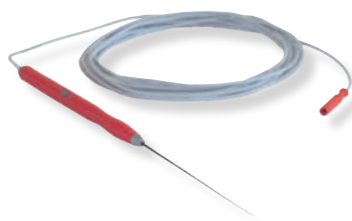
525 603	4.5 cm	16.0 cm
---------	--------	---------

525 600	9.0 cm	20.0 cm
---------	--------	---------



Stimulation Probe straight, flexible

Ø = 1.4 mm,
Ø blanc 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
---------	--------	---------



Stimulation Probe

for lateral approach in spine surgery,
working length 200 mm, diameter 3 mm,
active tip 1 mm
with clip-on handpiece and neutral SDN
electrode black, cable length 3000 mm,
single use, EO sterilized
Unit 10



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

525 630	20.0 cm	34.0 cm
---------	---------	---------

3 | Disposable Stimulation Probes



Stimulation Probe, 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



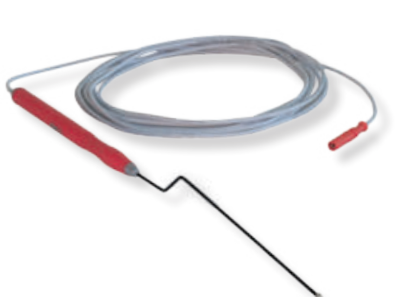
Raspatory, angled 30°

blanc tip = 6 mm,
with SDN counter electrode,
20 mm/3 m black
Unit 10



Art. No. Total Length

525 616 8.5 cm 19.5 cm



Art. No. Total Length

525 615 13.0 cm 24.5 cm



Art. No. Total Length

525 612 8.5 cm 19.5 cm

3.3 Stimulation Clip for Söring Micro Instruments

New possibilities for dynamic stimulation with the Söring Micro instruments

» Tumor resection with simultaneous subcortical mapping

The stimulation suction probe has revolutionised subcortical mapping and allowed dynamic mapping without instrument change. Now the possibilities are increasing: **stimulation with an ultrasound dissector for resection and mapping in one go.**

» Maximum efficiency and safety during tumor resection

With **minimal effort** your LEVICS Micro instrument can be transformed into a **monopolar stimulation probe**. Improve surgical safety and efficiency.

» Easy to use

After use, the clip can be **easily removed** and the microinstrument can be **reprocessed as usual**.

» Sterile single-use product including referential needle electrode: always ready for use

Stimulation Clip complete set for connection of Levics ultrasonic handpieces of Söring with an inomed neuromonitoring system consisting of:

connection clip and SDN counter electrode
single use only,
EO sterilized

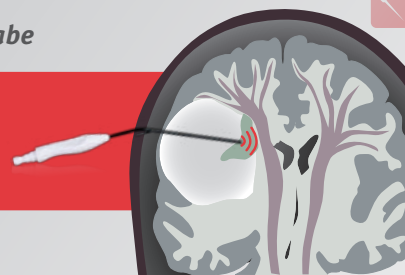
Art. No.

520 050 3 m





» Mapping Suction Probe



» The Mapping Suction Probe: Versatile fields of application

The Mapping Suction Probe is considered a real all-rounder: it can be used in a wide range of applications: in neurosurgery, ENT, vascular surgery, plastic surgery and maxillofacial surgery.

» New mapping method simplifies safe tumor resection in the brain

Dynamic continuous subcortical mapping is a new method that simplifies safe tumor resection in the brain. Especially for the new mapping technique, inomed developed the Mapping Suction Probe in cooperation with Prof. Dr. Raabe (Inselspital Bern). 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. The mapping suction probe can be used for the continuous dynamic mapping technique and a wide range of other applications in the central and peripheral nervous system.

» No change of instruments during the procedure

Universal use due to standard connections for suction and stimulation as well as easy handling of the suction power due to a suction control hole



Mapping Suction Probe

for continuous mapping
isolated, active tip: 2 mm,
connecting cable: red,
neutral electrode: black,
cable length: 3000 mm,
single-use product, EO sterilized



525 651	130 mm	3 mm
525 656	130 mm	2 mm
525 650	90 mm	3 mm
525 655	90 mm	2 mm



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 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





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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, ball tip

bipolar concentric,
Unit 1



Art.
No.



Total
Length

Special

Ø
Ball

522 109 13.0 cm 23.5 cm bayonet 2 mm

522 110 9.0 cm 19.5 cm angled 30° 1.6 mm

522 116 9.0 cm 19.5 cm straight 2 mm

4 | Reusable Stimulation Probes

4.1.3

Forked Bipolar Stimulation Probes



Micro Fork Probe, straight/bayonet

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 = 3 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
----------------	--------	---------



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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 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



Stimulation Probe, bipolar

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



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

4.1.5 Hook Stimulation Probes



Micro Hook Probe bipolar, straight

hook distance 0.5 mm, hook length 6 mm
Unit 1



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



Micro Hook Probe, tripolar, angled 90°

hook distance 0.15 mm, hook length 1.5 mm
Unit 1



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



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Hook Probe, bipolar, straight

hook distance 5 mm
Unit 1



Hook Probe, tripolar, straight

hook distance 2.1 mm
Unit 1



Art.
No.



Total
Length

522 021 2.5 cm 13.0 cm



Art.
No.



Total
Length

522 022 2.5 cm 13.0 cm

4 | Reusable Stimulation Probes

The monopolar stimulation probes and surgical instruments are used with an adaptor cable art. no. 520 070 or 520 077 and a stimulation cable art. no. 520 024 or 520 027 for connection to the stimulator (chapter 4.5).

4.2 Monopolar Stimulation Probes



monopolar, straight, flexible

Ø ball = 2 mm
Unit 1



monopolar, angled 30°

blanc tip = 2 mm,
Ø = 1.5 mm
Unit 1



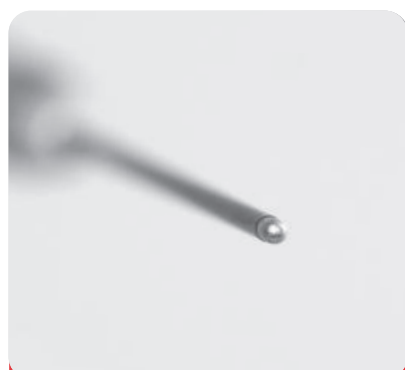
Art. No.	cm	Total Length
525 207	2.5 cm	13.0 cm
525 210	6.0 cm	16.5 cm



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



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monopolar, straight

blanc tip = 2 mm,
 $\varnothing = 1.5$ mm

Unit 1

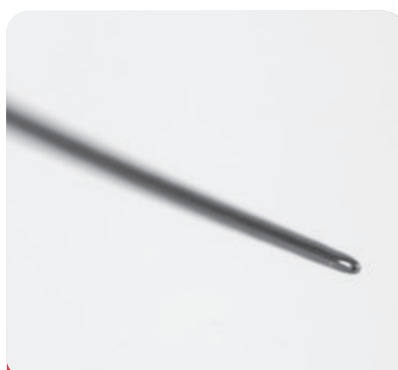


Art.
No.



Total
Length

525 203 9.0 cm 19.5 cm



monopolar, straight, flexible

insulated, thin flexible tip,
 $\varnothing = 0.5$ mm

Unit 1



Art.
No.



Total
Length

525 208 9.0 cm 19.5 cm



monopolar, bayonet

blanc tip = 2 mm,
 $\varnothing = 1.5$ mm

Unit 1



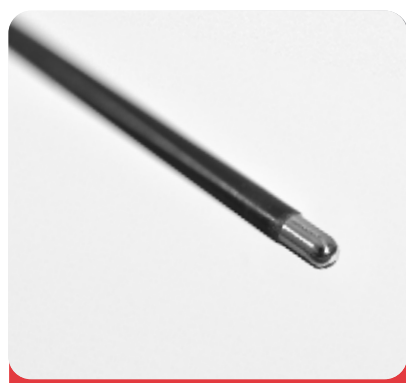
Art.
No.



Total
Length

525 003 13.0 cm 23.0 cm

4 | Reusable Stimulation Probes

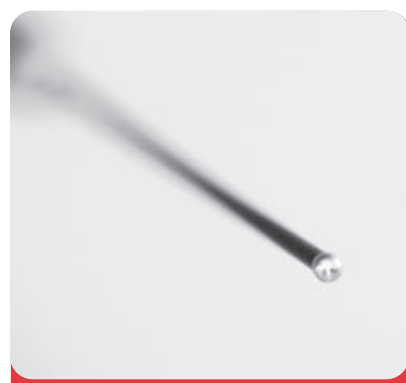


monopolar, bayonet

blanc tip = 2 mm,
Ø = 1.5 mm
Unit 1



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

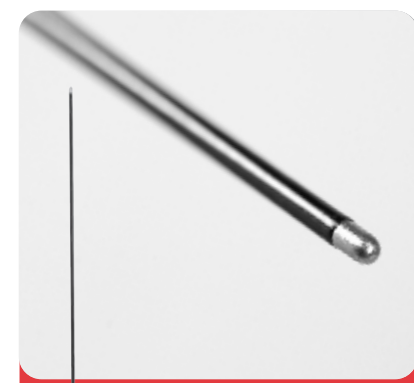


monopolar, straight, ball tip

Ø ball = 2 mm
Unit 1



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



monopolar, straight

blanc tip = 2mm
Unit 1



Art. No.		Total Length
525 211	31.0	41.5 cm



<https://shop.inomed.com>

4.3 Surgical Instruments for Monopolar Stimulation



Needle, monopolar, straight

blanc tip = 4 mm
Unit 1



Needle, monopolar, angled 30°

blanc tip = 4 mm
Unit 1



Raspatory, monopolar

blanc 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



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°,
blanc tip = 6 mm
Unit 1



Art.
No.



Total
Length

525 316 8.5 cm 19.0 cm



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Dissector, monopolar, curved

angled 90°,
blanc tip = 5 mm
Unit 1



Art.
No.



Total
Length

525 317 8.5 cm 19.0 cm



Dissector, monopolar, curved

blanc tip = 4 mm,
angled 30°
Unit 1

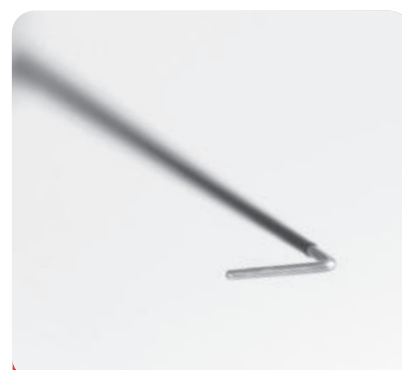


Art.
No.



Total
Length

525 318 8.5 cm 19.0 cm



Rhizotomy Dissector, monopolar

blanc 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 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



Art.
No.



520 078 0.7 m

The connection cables 520 077 and
520024 or 520 027 are required for
monopolar applications.

Art.
No.



522 130 30.0 cm



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4.5 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.



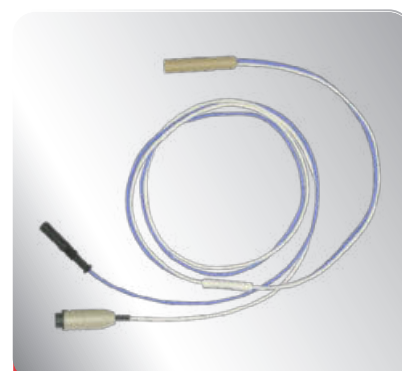
Stimulation Adaptor Cable

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

5 | Pelvic Neuromonitoring (pIOM)



pIOM



pIOM Set

- » All accessories in one set – also available for non-invasive recording
- » Intuitive short instruction 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, EO 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, EO 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

520 302

Unit 1

6 | Other Accessories

<https://shop.inomed.com>

6.1 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, disinfestable
Unit 1

Art.
No.



505 055 3.0 m

6 | Other Accessories

6.2

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	3.8 m	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

6.3

Further Accessories



Mute Sensor

to suppress HR interference signals, cable length 5 m
Unit 1

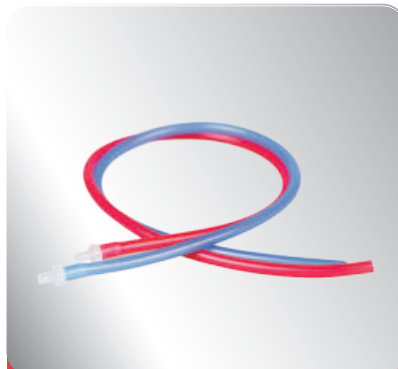
Art. No.	
510 025	4.0 m



*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

7 | Overview of Boxes and Cables

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

7.1 Stimulation Boxes



SEP Stimulation Adaptor Ch. 1-4

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 Ch. 5-12

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

Art. No. 
540 511 5.0 m

7.2 Recording Boxes



ISIS EP Adaptor for Headbox 504281

for maximal 16 channel recording to a common reference and the possibility to connect AEP earphones (540340), delivered non-sterile, non-autoclavable
Unit 1

Art. No. 
540 522 5.0 m



ISIS EP Adaptor for Headbox 504261

for maximal 16 channel recording to a common reference, delivered non-sterile, non-autoclavable
Unit 1

Art. No. 
540 524 5.0 m



ISIS EP Adaptor for Headbox 504285

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. 
540 523 5.0 m



ISIS EP Adaptor for Headbox 504285

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

Art. No. 
540 525 5.0 m

7 | Overview of Boxes and Cables



ISIS EMG/MEP Adaptor for Headbox 504271 and 504285 – Ch. 1-8

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

Unit 1

Art.
No.



540 531 5.0 m



ISIS EMG/MEP Adaptor for Headbox 504271 – Ch. 9-16

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

Unit 1

Art.
No.



540 532 5.0 m



ISIS EMG/MEP Adaptor for Headbox 504271 – Ch.1-8

for colour-coded accessories, for maximal 8 colour-coded differential recording channels, delivered non-sterile, non-autoclavable

Unit 1

Art.
No.



540 533 4.0 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

7.3
Switch Boxes

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.



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
540 559	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
540 560	16



MEP Stimulation Adaptor

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



7 | Overview of Boxes and Cables

7.4
C2 Xplore

Art. No. 508 288
C2 Xplore

C2 Xplore

One step ahead in IONM

for intraoperative nerve monitoring.
Easy to use
Neuromonitor with two
integrated stimulation
channels, loudspeaker,
footswitch and mains lead



Simplification by digitalisation and automation

- » The ultimate in user-friendliness
- » Flexibility for cost-effectiveness
- » Maximum interconnection – Inside and outside the OR
- » Broaden your knowledge and connect with international experts



7-5 C2 Xplore Adaptor Boxes



Head Box

2 stimulation channels,
4 differential EMG recording channels,
delivered non-sterile, not autoclavable

Unit 1

Art.
No.



540 430

5 m



Body Box

2 stimulation channels, 8 differential
colour-coded EMG recording channels,
delivered non-sterile, not autoclavable

Unit 1

Art.
No.



540 431

5 m



SEP Box

2 stimulation channels, 2 recording
channels with reference,
delivered non-sterile, not autoclavable

Unit 1

Art.
No.



540 432

5 m



pIOM Box

2 channels, recording and
3 differential EMG channels,
inclusive pressure sensor connection,
delivered non-sterile, not autoclavable

Unit 1

Art.
No.



540 433

5 m

7 | Overview of Boxes and Cables

7.6

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 female
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.



520 045 5 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



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7.7 Reusable Recording Cables



Adaptor Cable

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

Unit 1

Art.
No.



520 036 1.5 m



Extension Cable

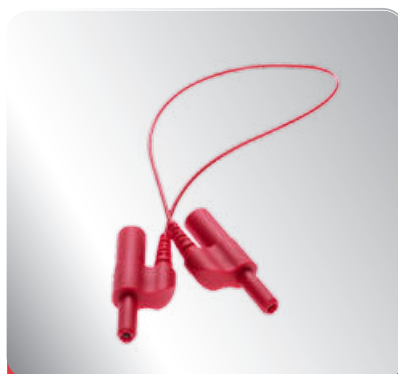
1.5mm safety connector black to 1.5mm
safety connector black
delivered non-sterile, autoclavable

Unit 1

Art.
No.



520 091 2.0 m



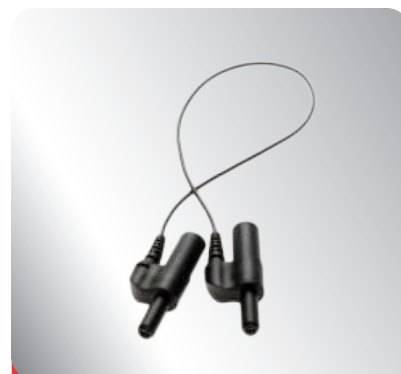
*Stack Adaptor

standard adaptor red, 1.5 mm jack
to 1.5 mm pin,
delivered non-sterile, autoclavable

Unit 1

Art.
No.

585 096



*Stack Adaptor

standard adaptor black, 1.5 mm jack to
1.5 mm pin,
delivered non-sterile, autoclavable

Unit 1

Art.
No.

585 097



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	Applicable with C2
1	10	522 624		Fork probe 45mm, straight, ball tip single use only, EO sterilized	25	Direct cortical stimulation	X
2	10	533 646	X	SDN electrodes set, 15/2000 mm single use only, EO sterilized	6	EMG recording	X
1	10	533 651		SDN electrode GN 20/1500 mm single use only, EO sterilized	5	Ground for EMG recording	X
1	1	611 014	X	Cortex Strip Electrode 4 contacts, 1 strip with cable single use only, EO sterilized	12	ECoG/EEG	-
1	10	533 629		SDN electrode WH 15/1000 single use only, EO sterilized	5	ECoG/EEG reference	-
1	10	533 651		SDN electrode GN 20/1500 mm single use only, EO sterilized	5	ECoG/EEG ground	-

8 | Application examples

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8.1.2 Motor Mapping

Quantity per application	Unit	Art. No.	Optional	Description	P.	inomed recommendation	Applicable with C2
1	5	525 650		Mapping Suction Probe for continuous mapping, single use only, EO sterilized	29	Direct cortical and subcortical stimulation	X
1	1	611 014		Cortex Strip Electrode 4 contacts, 1 strip with cable single use only, EO sterilized	12	Monitoring functional integrity of the corticospinal tract during mapping	X
2	10	533 646		SDN electrodes set colourful, 15/2000 mm single use only, EO sterilized	6	MEP recording for small muscles	X
2	10	533 666		SDN electrodes set colourful, 20/2000 mm single use only, EO sterilized	6	MEP recording for big muscles	X
1	10	533 651		SDN electrode GN 20/1500 mm single use only, EO sterilized	5	Ground	X
1	10	525 600	Alternative to 525 650	Stimulation probe 45 mm, monopolar, angled 30°, single use only, EO sterilized	27	Direct cortical and subcortical stimulation	X
1	1	611 014	X	Cortex strip Electrode 4 contacts, 1 Strip with cable single use only, EO sterilized	12	ECoG/EEG	-
1	10	533 629		SDN electrode WH 15/1000 single use only, EO sterilized	5	ECoG/EEG reference	-
1	10	533 651		SDN electrode GN 20/1500 mm single use only, EO sterilized	5	ECoG/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	49	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	49	For stimulation via grid/strip electrode usable	

8.1.3 SEP Phase Reversal

Quantity per application	Unit	Art. No.	Optional	Description	P.	inomed recommendation	Applicable with C2
1	1	611 014		Cortex Strip Electrode 4 contacts, 1 strip with cable single use only, EO sterilized	13	SEP recording	-
1	10	533 637		SDN electrodes RD/BK, 15/2000 single use only, EO sterilized	5	Median nerve SEP stimulation	-
1	10	533 629		SDN electrode WH 15/1000 single use only, EO sterilized	5	Reference	-
1	10	533 651		SDN electrode GN 20/1500 mm single use only, EO sterilized	5	Ground	-

8 | Application examples

8.2 Cranial Nerve Monitoring

Quantity per application	Unit	Art. No.	Optional	Description	P.	inomed recommendation	Applicable with C2
1	1	505 055		LED flash goggles for VEP stimulation delivered non-sterile, autoclavable	45	Optic nerve	-
1 per nerve	5	532 711		Oculomotor electrode, bipolar, 20/1500 mm single use only, EO sterilized	11	Oculomotor nerve, trochlear nerve, abducens nerve	X
1 per nerve	5	532 710	Alternative zu 532 711	Oculomotorius electrode bipolar, 30/1500 mm single use only, EO sterilized	11		
2 per nerve	10	530 607		SDN electrodes RD/RD 20/1200, 90° for e.g. trapezius and masseter muscle single use only, EO sterilized	11	Accessory nerve, trigeminal nerve	X
1 per nerve	20	534 645		Double needle set colourful, 12/1500, 2.5 mm single use only, EO sterilized	8	Glossopharyngeal nerve, hypoglossal nerve	X
1	10	533 626		SDN Electrode RD, 15/1000 mm, for recording right, single use only, EO sterilized	5	Vestibulocochlear nerve	-
1	10	533 621		SDN Elektrode BU, 15/1000 mm, for recording left, single use only, EO sterilized	5		-
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, EO sterilized	16	Vagus nerve, recurrent nerve	X
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, EO sterilized			
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, EO sterilized			
1	10	522 606		BCS probe 130 mm bayonet single use only, EO sterilized	25	Direct nerve stimulation bipolar	X
1	10	525 600	Alternative zu 522 606	Stimulation probe 90 mm, monopolar, angled 30° single use only, EO sterilized	27	Direct nerve stimulation monopolar	X
1	10	533 651		SDN electrode GN 20/1500 mm single use only, EO sterilized	5	Ground	X

8.3 Interventions in the Cerebellopontine Angle *e.g. Acoustic Neuroma*

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Quantity per application	Unit	Art. No.	Optional	Description	P.	inomed recommendation	Applicable with C2
1	10	522 606		BCS probe 130 mm bayonet single use only, EO sterilized	24	Direct nerve stimulation bipolar	-
3	60	530 751		Corkscrew electrode set, spiral needle 0.6 mm single use only, EO sterilized	12	Median nerve SEP recording	-
2	10	533 637		SDN electrodes RD/BK, 15/2000 mm single use only, EO sterilized	5	Median nerve SEP stimulation	-
2	20	534 645		Double needle set colourful, 12/1500, 2.5mm for e.g. orbicularis oris and orbicularis oculi muscle single use only, EO 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, EO sterilized	11	EMG recording for trigeminal monitoring	-
1	10	533 626		SDN electrode RD, 15/1000 mm single use only, EO sterilized	5	AEP recording right	-
1	10	533 621		SDN electrode BU, 15/1000 mm single use only, EO sterilized	5	AEP recording left	-
2	10	533 651		SDN electrode GN 20/1500 mm single use only, EO sterilized	5	Ground	-
2	1	530 453	Alternative to 532 626/532 621	Tympanon electrode single use only, EO sterilized	13	Optional, AEP recording	-
1	5	530 455	X	Ball electrode single use only, EO sterilized	13	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 Rhizotomy

Quantity per application	Unit	Art. No.	Optional	Description	P.	inomed recommendation	Applicable with C2
2	1	525 320		Rhizotomy dissector, monopolar, for rhizotomy application, the stimulation probe cable 520 045 is required for connection, supplied non-sterile, autoclavable	41	Stimulation	-
16	10	533 646		SDN electrodes set, 15/2000 mm single use only, EO sterilized	6	EMG recording, MEP recording for small muscles	-
2	10	533 651		SDN electrode GN 20/1500 mm single use only, EO sterilized	5	Ground	-
2	1	525 315	Alternative to 525 320	Surgical instrument 85 mm, monopolar, angled, ball, for the rhizotomy application, the stimulation probe cable 520 045 is required for the connection, supplied unsterile, autoclavable	40	Stimulation	-
2	18	530 679	X	Surface electrodes 23 x 23 mm, Disposable product, delivered non-sterile	19	Pudendus SEP	-

8 | Application examples

8.5 Vascular Neurosurgery *e.g. Aneurysm, Cavernoma, etc.*

Quantity per application	Unit	Art. No.	Optional	Description	P.	inomed recommendation	Applicable with C2
6	60	530 751		Corkscrew electrode set, spiral needle 0.6 mm single use only, EO sterilized	12	Median nerve SEP recording	-
6	10	533 646		SDN electrodes set, 15/2000 mm single use only, EO sterilized	6	EMG recording	-
6	10	533 666		SDN electrodes set colourful, 20/2000 mm single use only, EO sterilized	6	MEP recording for big muscles	-
2	10	533 651		SDN electrode GN 20/1500 mm single use only, EO sterilized	5	Ground	-
1	10	530 770	X	EP-Cap, helping tool for 10–20 system single use only, delivered non-sterile	12		-

8.6 Vascular Surgery *e.g. Carotid Endarterectomy*

Quantity per application	Unit	Art. No.	Optional	Description	P.	inomed recommendation	Applicable with C2
3	60	530 751		Corkscrew electrode set, spiral needle 0.6 mm single use only, EO sterilized	12	Median nerve SEP recording	X
2	10	533 637		SDN electrodes RD/BK, 15/2000 single use only, EO sterilized	5	Median nerve SEP stimulation	X
1	10	533 651		SDN electrode GN 20/1500 mm single use only, EO sterilized	5	Ground for EMG recording	X
2	10	533 657	X	SDN electrodes RD/BK, 20/2000 mm single use only, EO sterilized	5	Tibial nerve SEP stimulation	-
1	60	530 751	X	Corkscrew electrode SET, spiral needle 0.6 mm single use only, EO sterilized	12	Tibialis SEP recording	-
1	10	530 770	X	EP-Cap, helping tool for 10–20 system single use only, delivered non-sterile	12		-

8.7 ENT Surgery *e.g. Parotidectomy*

Quantity per application	Unit	Art. No.	Optional	Description	P.	inomed recommendation	Applicable with C2
1	10	525 603	Alternative to 522 603	Stimulation probe 45 mm, monopolar, angled 30°, blanc tip 2 mm, single use, EO sterilized	27	Direct nerve stimulation monopolar	X
2	15	534 643		Double needle electrode, 2 channel set, 12/1500, 2.5 mm including SDN electrode green 15/1500 for e.g. orbicularis oris and orbicularis oculi muscle single use only, EO sterilized	8	EMG recording for facial monitoring	X



8.8 Thyroid Surgery

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Quantity per application	Unit	Art. No.	Optional	Description	P.	inomed recommendation	Applicable with C2
1	10	522 603		BCS probe 45 mm angled 30°, 1.5 mm touch-proof connector, single use, EO sterilized	24	Direct nerve stimulation bipolar	X
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, EO sterilized	16	Recording of the muscle response potentials in vocalis muscle	X
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, EO sterilized			
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, EO sterilized			
1	10	525 603	Alternative to 522 603	Stimulation probe 45 mm, monopolar, angled 30°, blanc tip 2 mm, single use, EO sterilized	27	Direct nerve stimulation monopolar	X

8.9 Spine Surgery/Orthopaedics

8.9.1 Intramedullary Tumor

Quantity per application	Unit	Art. No.	Optional	Description	P.	inomed recommendation	Applicable with C2
6	60	530 751		Corkscrew electrode set, spiral needle 0.6 mm single use only, EO sterilized	12	SEP recording, MEP stimulation	-
2	10	533 637		SDN electrodes RD/BK, 15/2000 mm single use only, EO sterilized	5	Median nerve SEP stimulation	-
2	10	533 657		SDN electrodes RD/BK, 20/2000 mm single use only, EO sterilized	5	Tibial nerve SEP stimulation	-
2	10	533 646		SDN electrodes set, 15/2000 mm single use only, EO sterilized	6	EMG recording, MEP recording for small muscles	-
4	10	533 666		SDN electrodes set, 20/2000 mm single use only, EO 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, EO sterilized	13	D wave	-
2	10	533 651		SDN electrode GN 20/1500 mm single use only, EO sterilized	5	Ground	-
1	10	530 770	X	EP-Cap, helping tool for 10–20 system single use only, delivered non-sterile	12		-

8 | Application examples

8.9.2 Spinal Deformities e.g. Scoliosis/Kyphosis

Quantity per application	Unit	Art. No.	Optional	Description	P.	inomed recommendation	Applicable with C2
6	60	530 751		Corkscrew electrode set, spiral needle 0.6 mm single use only, EO sterilized	12	SEP recording, MEP stimulation	-
2	10	533 637		SDN electrodes RD/BK, 15/2000 mm single use only, EO sterilized	5	Median nerve SEP stimulation	-
2	10	533 657		SDN electrodes RD/BK, 20/2000 mm single use only, EO sterilized	5	Tibial nerve SEP stimulation	-
2	10	533 646		SDN electrodes set, 15/2000 mm single use only, EO sterilized	6	EMG recording, MEP recording for small muscles	-
4	10	533 666		SDN electrodes set, 20/2000 mm single use only, EO sterilized	6	EMG recording, MEP recording for big muscles	-
2	10	533 651		SDN electrode GN 20/1500 mm single use only, EO sterilized	5	Ground	-
1	10	530 770	X	EP-Cap, helping tool for 10–20 system single use only, delivered non-sterile	12		-
Optional pedicle stimulation applicable, see chapter 8.9.3							

8.9.3 Stimulation for Pedicle Screw Placement (Using ISIS IOM System)

Quantity per application	Unit	Art. No.	Optional	Description	P.	inomed recommendation	Applicable with C2
1	10	525 616		Stimulation probe 85 mm, monopolar, straight, ball tip single use only, EO sterilized	28	Stimulation for pedicle screw placement	-
8	10	533 666		SDN electrodes set, 20/2000 mm single use only, EO sterilized	6	EMG recording	-
1	10	533 651		SDN electrode GN 20/1500 mm single use only, EO sterilized	5	Ground	-
1	10	525 615	Alternative to 525 616	Stimulation probe 85 mm, monopolar, bayonet, ball tip single use only, EO sterilized	28	Stimulation for pedicle screw placement	-



Using C2 NerveMonitor for stimulation during pedicle screw placement 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, EO sterilized	1	
	540 730		5 m	EMG adaptor for colour-coded accessories, for maximal 8 colour-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.

8.10 Pelvic Neuromonitoring

Quantity per application	Unit	Art. No.	Optional	Description	P.	inomed recommendation	Applicable with C2
1	5	520 335		pIOM set with SDN electrodes, single use only, EO sterilized	44	Bladder pressure measurement	X
1	5	520 336	Alternative to 520 335	pIOM set with rectal electrode, single use only, EO sterilized	44	Bladder pressure measurement	X

9 | Index

Art.-No.	Page
505 055:	45, 56
508 288:	50
510 025:	46
520 024:	43, 52
520 027:	43, 52
520 036:	14, 53
520 037:	18
520 040:	52
520 045:	52
520 050:	28
520 057:	20
520 059:	20
520 070:	43
520 077:	43, 52
520 078:	42
520 091:	53
520 300:	44
520 302:	44
520 335:	44, 61
520 336:	44, 61
520 352:	26
522 002:	33
522 003:	33
522 010:	32
522 011:	34
522 014:	32
522 017:	32
522 018:	34
522 019:	34
522 021:	35
522 022:	35
522 023:	34
522 024:	32
522 100:	30
522 101:	30
522 102:	30
522 103:	30
522 104:	31
522 105:	31
522 106:	31
522 109:	31
522 110:	31
522 116:	31
522 128:	30

Art.-No.	Page
522 130:	42
522 600:	24
522 601:	24
522 603:	24, 59
522 605:	24
522 606:	24, 56, 57
522 610:	25
522 618:	25
522 620:	18
522 623:	18
522 624:	25, 54
522 625:	26
522 626:	26
522 629:	24
522 630:	24
522 900:	46
525 003:	37
525 200:	36
525 203:	37
525 206:	38
525 207:	36
525 208:	37
525 209:	38
525 210:	36
525 211:	38
525 310:	39
525 311:	39
525 312:	39
525 313:	40
525 315:	40, 57
525 316:	40
525 317:	41
525 318:	41
525 319:	42
525 320:	41, 57
525 600:	27, 55, 56
525 603:	27, 58, 59
525 608:	27
525 612:	28
525 615:	28, 60
525 616:	28, 60
525 630:	27
525 650:	29, 55
525 651:	29

Art.-No.	Page
525 655:	29
525 656:	29
530 036:	20
530 037:	20
530 038:	20
530 039:	20
530 050:	20
530 101:	15
530 102:	15
530 103:	15
530 106:	15
530 227:	21
530 228:	21
530 404:	21
530 406:	21
530 407:	21
530 420:	21
530 425:	21
530 453:	13, 57
530 455:	13, 57
530 600:	15
530 602:	14
530 603:	14
530 607:	11, 56, 57
530 655:	17
530 656:	17
530 665:	17
530 666:	11
530 667:	17
530 677:	19
530 679:	19, 57
530 680:	10
530 683:	10
530 684:	13, 59
530 685:	13
530 690:	19
530 750:	12
530 751:	12, 57, 58, 59, 60
530 770:	12, 57, 58, 59, 60
530 845:	16, 56, 59
530 846:	16, 56, 59
530 847:	16, 56, 59
530 855:	17
530 856:	17

Art.-No.	Page
530 867:	17
530 868:	17
530 869:	17
532 609:	10
532 610:	10
532 611:	10
532 621:	7
532 622:	7
532 623:	7
532 624:	7
532 625:	7
532 626:	7
532 627:	7
532 628:	7
532 629:	7
532 631:	7
532 633:	7
532 634:	7
532 636:	7
532 637:	7
532 638:	7
532 641:	7
532 646:	8
532 651:	7
532 653:	7
532 654:	7
532 656:	7
532 657:	7
532 661:	7
532 666:	8
532 671:	7
532 675:	7
532 710:	11, 56
532 711:	11, 56
532 720:	9
532 722:	9
532 730:	9
533 621:	5, 56, 57
533 622:	5
533 623:	5
533 624:	5
533 625:	5
533 626:	5, 56, 57
533 627:	5

Art.-No.	Page
533 628:	5
533 629:	5, 54, 55
533 631:	5
533 633:	5
533 634:	5
533 636:	5
533 637:	5, 55, 57, 58, 59, 60
533 638:	5
533 641:	6
533 646:	6, 54, 55, 57, 58, 59, 60
533 651:	5, 54, 55, 56, 57, 58, 59, 60
533 653:	5
533 656:	5
533 657:	5, 58, 59, 60
533 658:	5
533 661:	6
533 666:	6, 55, 58, 59, 60
533 671:	5
533 675:	5
534 641:	8
534 643:	8, 58
534 645:	8, 56, 57
534 646:	8
534 671:	8
534 673:	8
535 640:	61
540 340:	46
540 343:	46
540 345:	46
540 346:	46
540 347:	46
540 348:	46
540 349:	46
540 402:	19
540 425:	48
540 430:	51
540 431:	51
540 432:	51
540 433:	51
540 501:	47
540 510:	49, 55
540 511:	47
540 522:	47
540 523:	47

Art.-No.	Page
540 524:	47
540 525:	47
540 531:	48
540 532:	48
540 533:	48
540 559:	49, 55
540 560:	49
540 730:	61
585 096:	53
585 097:	53
611 014:	12, 54, 55
611 016:	12
611 018:	12



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