

Consumables Catalogue

IONM

EEG

EMG



NCC Medical Co., Ltd.

One-stop provider for neuro-electrophysiological devices, consumables & solutions since 1997

Index

About NCC	01
CYNAPSE IONM System	02
▫ NCC Electrodes Portfolio	03
NCC Integrated & Universal Connector	03
NCC Rainbow Electrodes	04
Subdermal Needle & Corckscrew Electrodes Series	06
▫ World First Innovative Electrodes	07
▫ NCC IONM Probe for Stimulation	08
▫ CorELink Cortical Electrodes	10
▫ Urinary Catheter Electrodes	11
▫ Urinary Catheter Electrodes	12
▫ NCC Surgery Kits	12
Smart IOM System	14
▫ Endotracheal Tube & Adhesive Laryngeal Electrodes	15
Electroencephalograph (EEG) System	18
Electromyograph (EMG) System	19
Wireless Surface EMG	21
NCC Myonet Precision Therapy System	22
Biofeedback	23



About NCC

NCC Medical delivers cutting-edge medical equipment, electrodes, consumables, and accessories. Through strategic partnerships with top-tier suppliers, we ensure access to best-in-class products that meet your daily needs with reliability and excellence.

As a leading manufacturer of medical devices, NCC Medical has been committed to the research and development of electro-neurophysiology solutions since 1997. With four state-of-the-art production facilities located in Shanghai and Jiangxi, our operations span over 30,000 square meters. We are proud to have a team of 300+ employees, including 100 highly skilled engineers in our dedicated R&D department.

NCC Medical is proud to provide competitive pricing, incredible customer service, and prompt shipping options. Thank you for choosing NCC Medical !

NCC = 诺诚 in Chinese

N

Nuo (诺)
commit**N**t
i**N**novation
IO**N**M

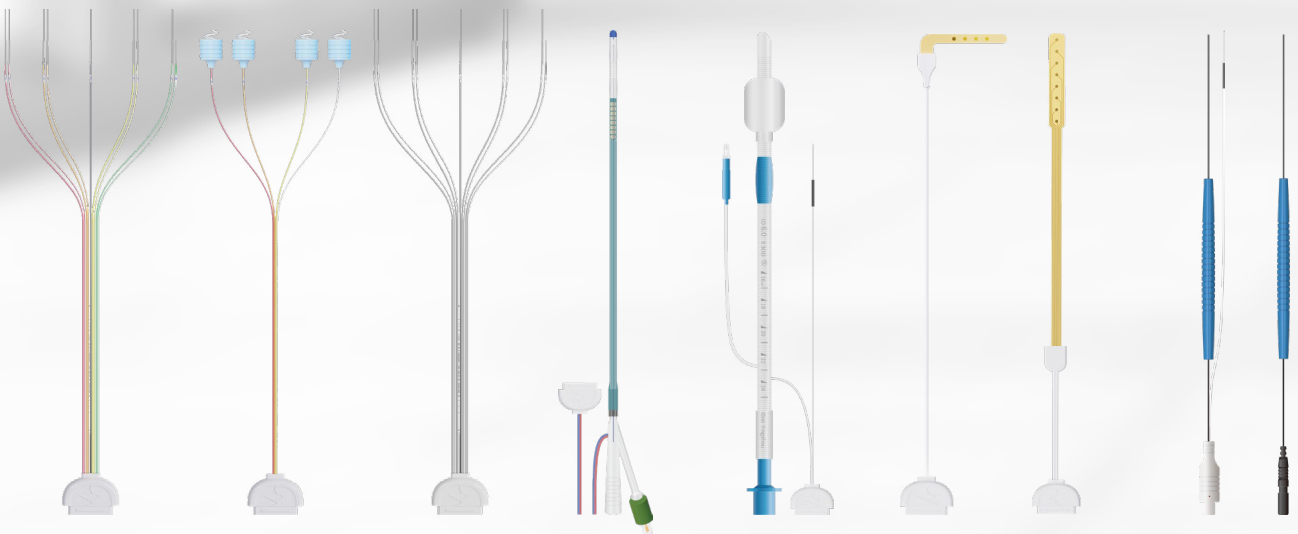
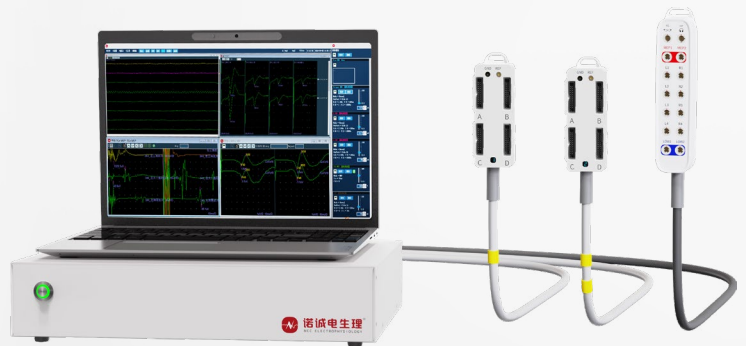
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Cheng (诚)
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servi**C**e
electro**C**ophysiology

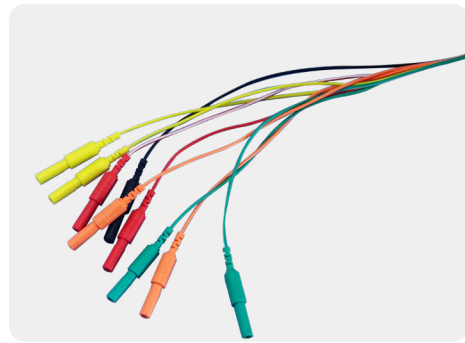
C

China (中国)
Collabotation
Creation
Connection

Cynapse[®] IONM System



NCC Integrated & Universal Connector



□ **Smart Color-Coding**

Easily identify channels with intuitive color codes

Color coding :

- CH1: Red, Red-White
- CH2: Orange, Orange-White
- CH3: Yellow, Yellow-White
- CH4: Green, Green-White
- Ground: Black

Eliminating connection errors during critical procedures

□ **High-Quality TPU Material**

30% more flexible than standard PVC

Enhanced signal clarity with reduced impedance

Phthalate-free and skin-friendly material for added safety

□ **Tangle-Free Confidence**

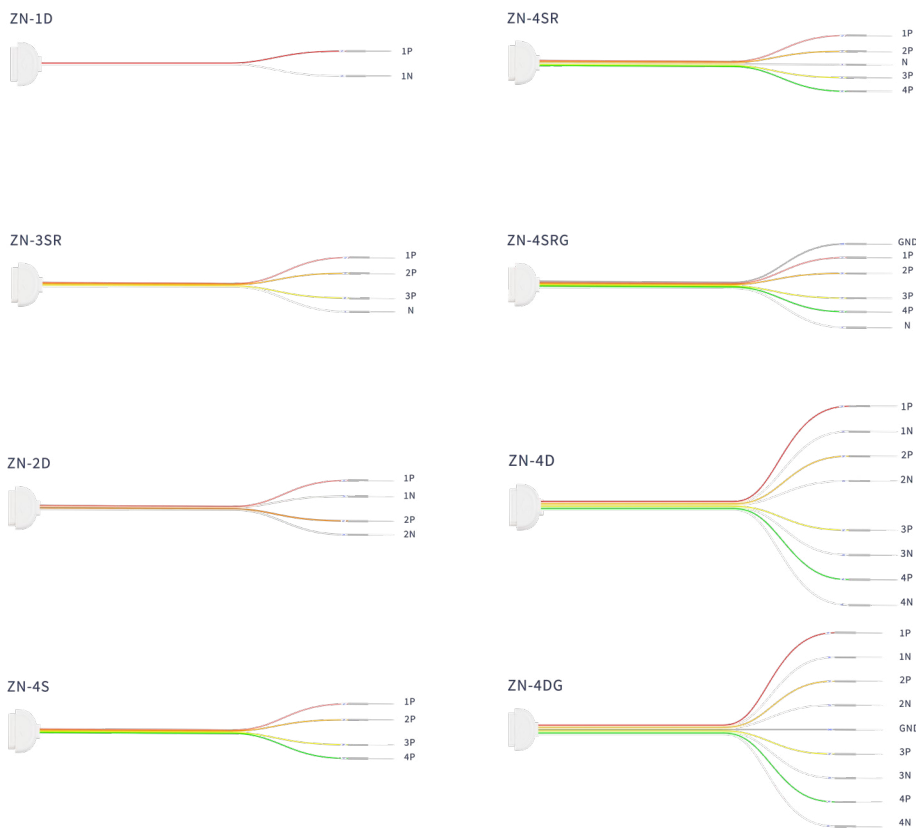
Simple cable management system:

- Faster setup in sterile fields
- Prevents cross-channel signal contamination

NCC Rainbow Electrodes

Application: The product is used in conjunction with compatible monitoring equipment for the acquisition and conduction of electrical signals from relevant subcutaneous areas of the human body.

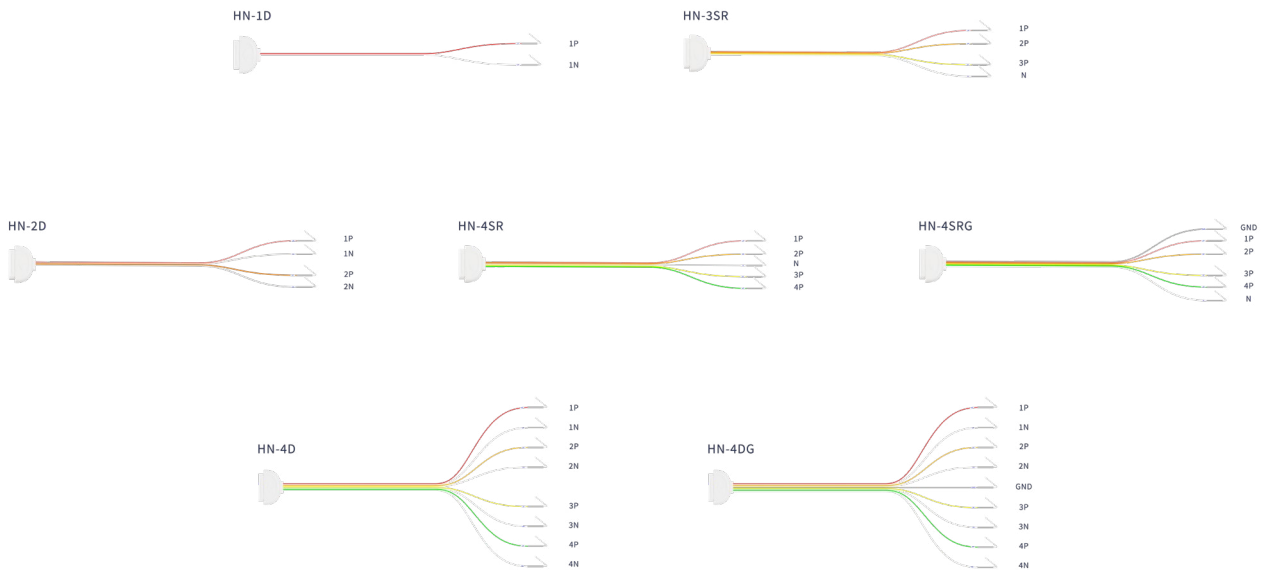
NCC Rainbow Recording Electrodes: Straight Needle Electrodes



Specifications

Product Series	Model	Features	Needle			Wire			Package
			Material	Length	Diameter	Material	Length	Color	
Straight needle electrodes	ZN-1D	Bipolar	Stainless steel	13mm	0.4mm	TPU	1500mm (standard), customizable 1500-2500mm	6 colors	60 pcs/ carton
	ZN-3SR	3CH -Shared REF							
	ZN-2D	Bipolar							
	ZN-4S	4 CH-Monopolar							
	ZN-4SR	4CH -Shared REF							
	ZN-4SRG	4CH -Shared REF-GND							
	ZN-4D	4 CH-Bipolar							
	ZN-4DG	4 CH-Bipolar-GND							

NCC Rainbow Recording Electrodes: Curved Needle Electrodes



Specifications									
Product Series	Model	Features	Needle			Wire			Package
			Material	Length	Diameter	Material	Length	Color	
curved needle electrodes	HN-1D	1 CH-Bipolar	Stainless steel	13mm	0.4mm	TPU	1500mm (standard), customizable 1500-2500mm	6 colors	60 pcs / carton
	HN-3SR	3CH -Shared REF							
	HN-2D	2 CH-Bipolar							
	HN-4SR	4CH -Shared REF							
	HN-4SRG	4CH -Shared REF-GND							
	HN-4D	4 CH-Bipolar							
	HN-4DG	4 CH-Bipolar-GND							

NCC Rainbow Electrodes for Stimulation

4 Types of Electrodes For Stimulation



Specifications									
Product Series	Model	Features	Needle			Wire			Package
			Material	Length	Diameter	Material	Length	Color	
Stimulation electrodes	SWF-1D	Single-channel, bipolar, spiral	Stainless steel	30mm	0.6mm	TPU	1500-2500mm	2 colors	20 pcs /box 4 box /carton
	ZNF-1D	Single-channel, bipolar, straight pins		13mm	0.4mm				
	HNF-1D	Single-channel, bipolar, bent pins							

Subdermal Needle & Corkscrew Electrodes Series

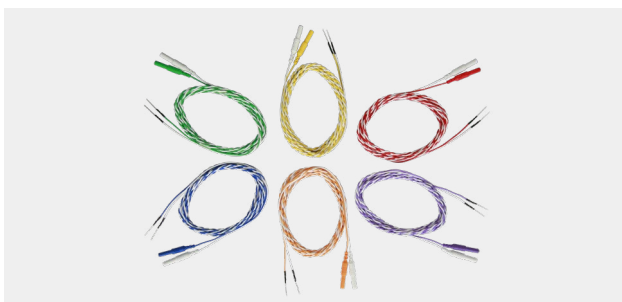
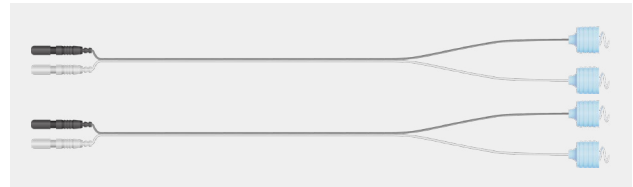
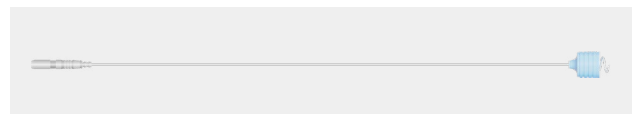
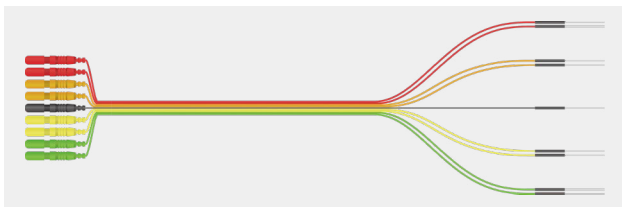
Advantages:

*Customized colors and threads

*Upgraded materials

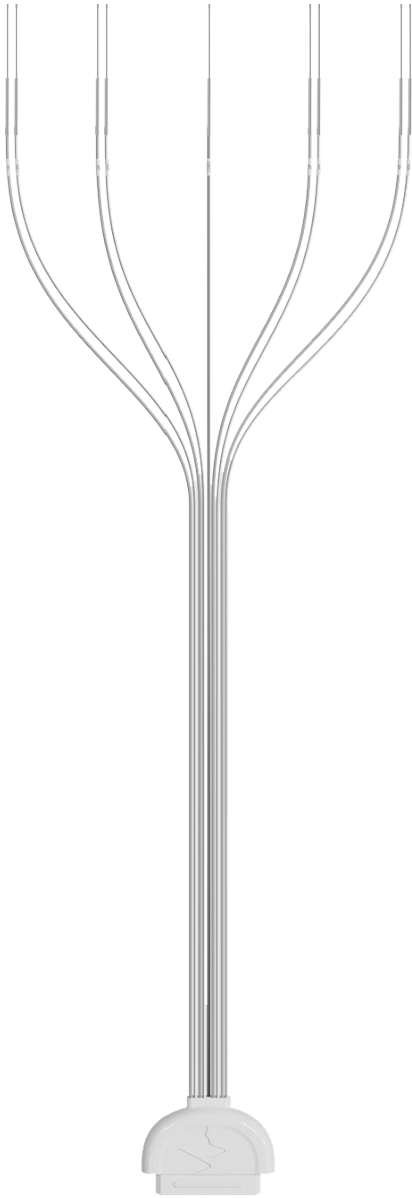
*Increased immunity to interference

*Easy cable management



Product Series	Model	Features	Needle			Wire			Package
			Material	Length	Diameter	Material	Length	Color	
Subdermal needle electrodes	SNET9	Single-core, straight pin, 9-row parallel line type	Stainless steel	13mm	0.4mm	TPU	2000mm (standard), customizable 1500-2500mm	6/12 colors	60 pcs/ carton
	SNET2	Straight pin, parallel line type - TPU + 2-row parallel lines				TPU			
	SNET1	Straight pin, monopolar type - TPU + single core				TPU			
	CSEP1	Spiral monopolar type series, PVC + single wire				PVC			
	CSEP2	Spiral twisted pair type, PVC + twisted pair cable				PVC			
	CSEP2-2	Spiral twisted pair series - 2 pairs of CSEP2, PVC + twisted pair in one package				PVC			
	SNEP2	Straight pin, twisted pair type - PVC + twisted pair				PVC			
	SNEP1	Straight pin, monopolar type - PVC + single core				PVC			

World First Innovative Electrodes



Technical Advantages:

High Clarity

Delivers a clearer surgical field by eliminating imaging interference.

Ease of Operation

Flexible and durable carbon fiber enhances electrode maneuverability and efficiency.

Enhanced Safety

Reduces risks of surgical errors caused by unclear imaging.

Real-Time Monitoring

Unmatched anti-interference properties ensure stable signal transmission, enabling accurate real-time neuro-monitoring even in the most complex surgical environments.

Application Scenarios:

Interventional Surgeries

Ideal for a variety of interventional procedures, particularly those requiring precision and swift responses.

DSA-Assisted Surgeries

Improves surgical visibility when paired with Digital Subtraction Angiography(DSA) guidance.

Surgeon-Led Design:

Patient-Centered Safety

Reduces uncertainties and enhances overall surgical safety for patients.

Efficiency for Surgeons

Equips surgeons with advanced tools, streamlining procedures and elevating surgical efficiency.

Specifications

Needle			Wire			Package
Material	Length	Diameter	Material	Length	Color	
Carbon fibre	13mm	0.4mm	PVC	1500mm (standard), customizable 1500-2500mm	1 color	60 pcs/carton

NCC IONM Probe for Stimulation



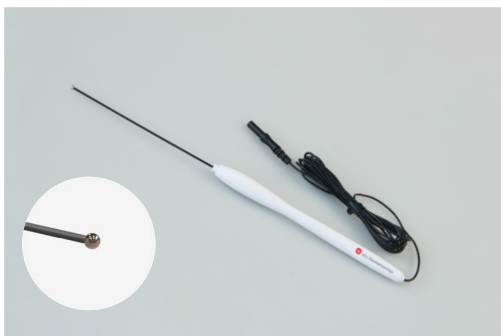
NO	Name	Model	Probe Diameter (mm)	Length of Connecting Wire (mm)	Effective Length of Probe (mm)	Package
1	Flush Tip Probe	FTP0890	0.8	2000/2500 or customized	90	1pc/box 50 pcs/ carton



NO	Name	Model	Probe Diameter (mm)	Length of Connecting Wire (mm)	Effective Length of Probe (mm)	Package
2	Monopolar Probe	MPP0890	0.8	2000/2500 or customized	90	1pc/box 50 pcs/ carton



NO	Name	Model	Probe Diameter (mm)	Length of Connecting Wire (mm)	Effective Length of Probe (mm)	Package
3	Bent Monopolar Probe	BMP2045	2.0	2000/2500 or customized	45	1pc/box 50 pcs/ carton



NO	Name	Model	Probe Diameter (mm)	Length of Connecting Wire (mm)	Effective Length of Probe (mm)	Package
4	Ball tip Probe	BTP2390	2.3	2000/2500 or customized	90	1pc/box 50 pcs/ carton



NO	Name	Model	Probe Diameter (mm)	Length of Connecting Wire (mm)	Effective Length of Probe (mm)	Package
5	Concentric Probe	CPP1390	1.3	2000/2500 or customized	90	1pc/box 50 pcs/ carton



NO	Name	Model	Probe Diameter (mm)	Length of Connecting Wire (mm)	Effective Length of Probe (mm)	Package
6	Bent Concentric Probe	BCP1390	1.3	2000/2500 or customized	90	1pc/box 50 pcs/ carton



NO	Name	Model	Probe Diameter (mm)	Length of Connecting Wire (mm)	Effective Length of Probe (mm)	Package
7	Bipolar Ball Tip Probes	BBTP2090	2.0	2000/2500 or customized	90	1pc/box 50 pcs/ carton



NO	Name	Probe Diameter (mm)	Length (mm)	Package
8	Dissociation forceps nerve probe	5	330	1pc/box

CorELink™ Cortical Electrodes

The **cortical electrodes** are used for cortical mapping and direct cortical stimulation during neurosurgeries.

- Enables precise stimulation and recording of CNS signals during intracranial monitoring.
- Accurately maps functional brain areas to minimize surgical risk.
- Supports the entire surgical workflow: from pre-operative planning to post-operative assessment.
- Critical for the resection of brain tumors and epileptogenic foci.



NO	Name	Parameters	Wire Length	Package
1	ECoG-1*4	10mm spacing, DIN1.5 plugs	2000mm/ 2500mm	60pcs/ box
2	ECoG-1*6			
3	ECoG-1*8			

CordLink™ D-Wave Electrodes

The **D-WAVE** is a multi-contact electrode array positioned on the spinal column for D-wave recording.

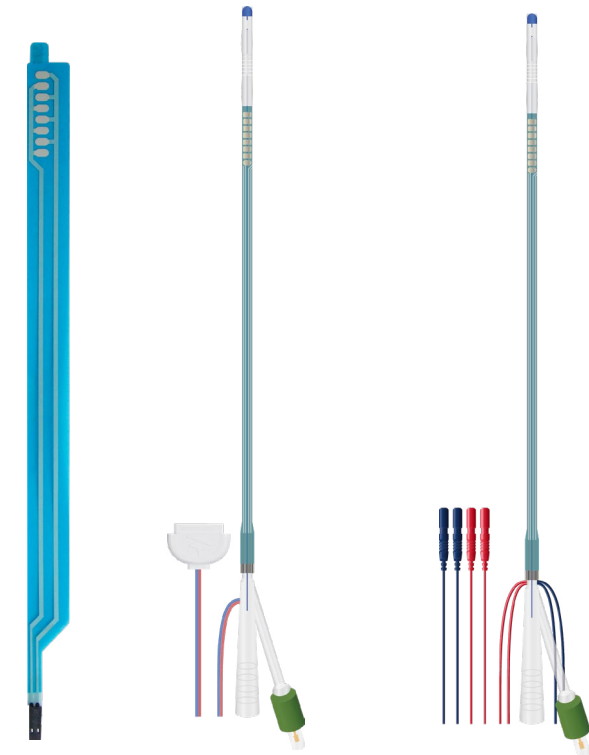
- **Single-use** for enhanced hygiene and safety
- **Optimized contact spacing** for superior D-wave recording
- **Flat recording area** for improved stability during recording
- **Maximum flexibility** for versatile positioning and comfort



UroTrack™ Urinary Catheter Electrodes

- Enable reliable EMG monitoring of the external urethral sphincter via a standard Foley catheter.
- Ensure stable positioning with secure balloon fixation and multiple common sizes.
- Deliver essential nerve function data for urological and colorectal procedures like prostatectomy.
- Integrate seamlessly into multimodality IONM to guide critical surgical decisions.
- Help protect patients from iatrogenic injury and preserve post-operative urinary function.

NO	Name	Size	Package
1	CEFr8	Fr8	48pcs/carton
2	CEFr10	Fr10	
3	CEFr12	Fr12	
6	CEFr14	Fr14	
7	CEFr16	Fr16	
8	CEFr18	Fr18	



BISync™ Depth of Anesthesia Electrodes

BIS monitoring technology provides real-time information about a patient’s status, helping clinicians tailor anaesthetic management to individual needs. This can be particularly valuable for:

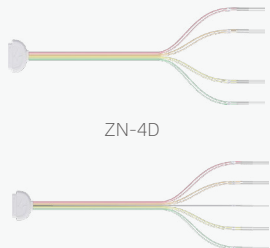
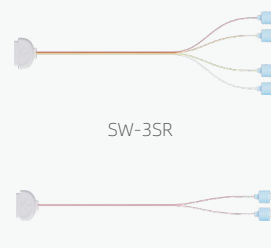
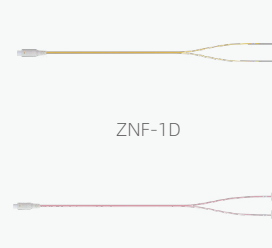
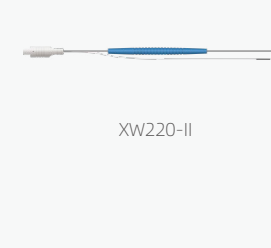
- Patients with complex conditions who may experience sudden or frequent changes in status
- Patients with cardiovascular conditions
- Obese patients
- Trauma patients or those requiring lower levels of anaesthesia



NCC Surgery Kits

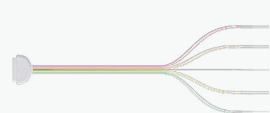



Department	Surgeries	Suggested monitoring modules
Orthopedics	Cervical spine surgery/ Thoracolumbar spine surgery/ Coccyx surgery/Scoliosis correction surgery	SEP/MEP/EMG/TriggerEMG/ Pedicle Screw/TOF/BCR/Hreflex

Commonly Used Consumables

<p>Subermal Needle Electrode</p>  <p>ZN-4D</p> <p>ZN-4DG</p>	<p>Corkscrew Electrode</p>  <p>SW-3SR</p> <p>SW-1D</p>	<p>Stimulation Electrode</p>  <p>ZNF-1D</p> <p>SEF-1D</p>	<p>Probe</p>  <p>XW220-II</p>
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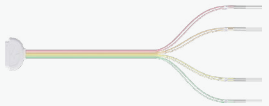


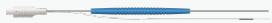
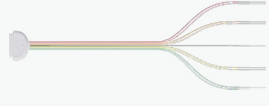
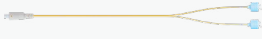
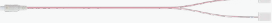
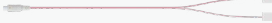





Department	Surgeries	Suggested monitoring modules
ENT Surgery	Thyroid Surgery/Endoscopic Skull Base Surgery/Endoscopic Surgery/Head & Neck Tumor Resection/Otosurgery	Free EMG/Trigger EMG/ BAEP/Facial Mep

Consumables Kit

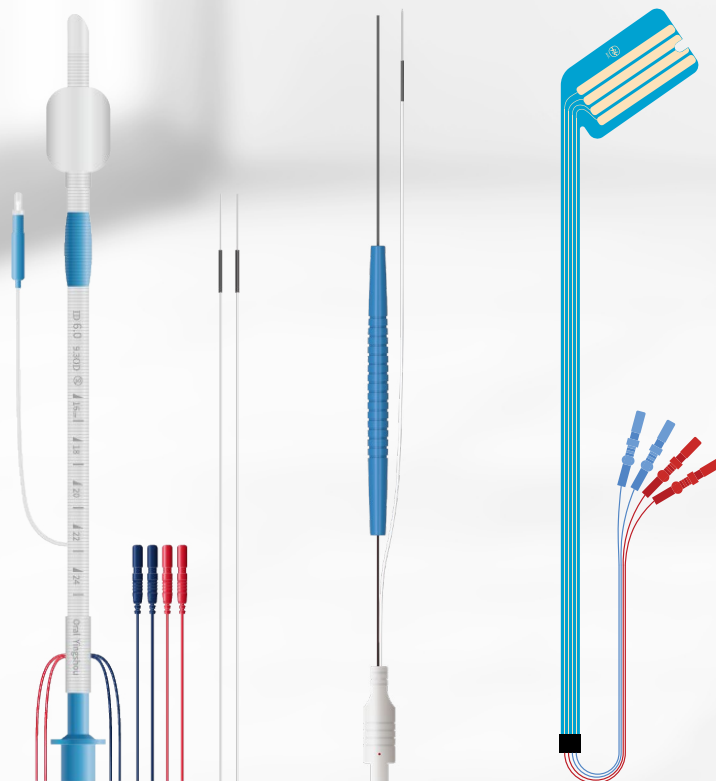
<p>Subermal Needle Electrode</p>  <p>ZN-4DG</p>	<p>Subermal Needle Electrode</p>  <p>SNEP-1</p>	<p>Endotracheal tube</p> 	<p>Probe</p>  <p>XW220-II</p>
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Department	Surgeries	Suggested monitoring modules
Neurosurgery	Microvascular decompression/ Hypophysoma/Carotid endarterectomy/Cerebellar pontine area/ Functional area tumor/ Arterial aneurysm/ Intramedullary tumor	FreeEMG/TriggerEMG/BAEP/VEP/SSEP/TceMEP/EEG/ FacialMEP/MotorMapping/PedicleScrewBCR

Consumables Kit

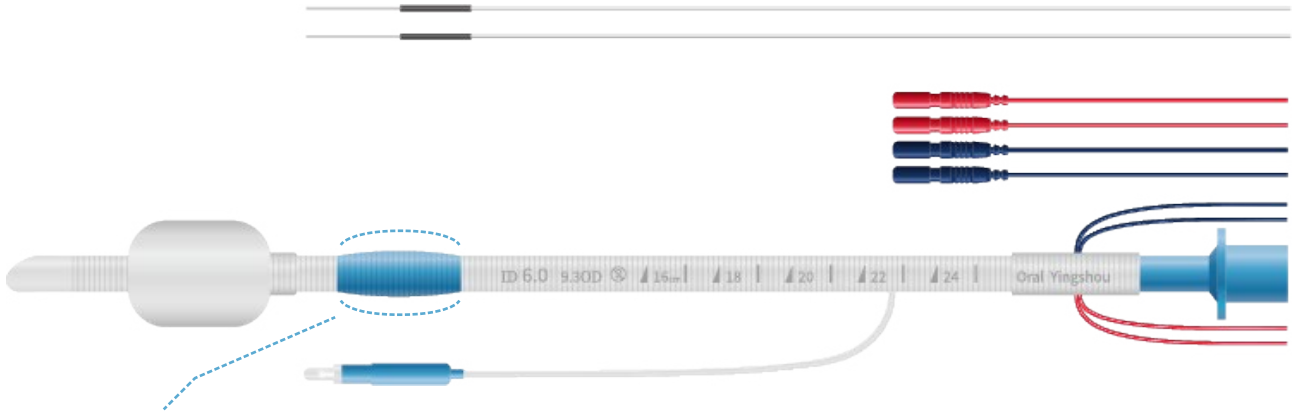
Subermal Needle Electrode	Corkscrew Electrode	Stimulation Electrode	Probe
 ZN-4D	 SW-1D	 ZNF-1D	 XW220-II
 ZN-4DG	 SWF-1D	 SEF-1D	 Bent hook probe
 ZN-4S	 SW-3SR		
 ZN-2SR	 SW-2SR		
 ZN-1D			

Smart IOM System



NCC NeuTrack™ EMG Endotracheal Tubes

Special Design Emg Endotracheal Tube



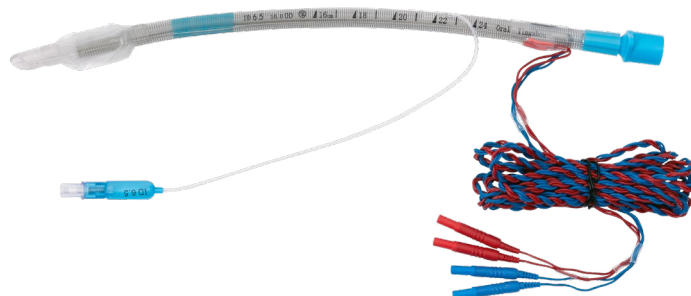
Arcs design to prevent accident vocalcontact with muscles



Embedded in bilateral electrodes, the flexible EMG tube retains anatomical design blue marking for placement guidance

WET6.0	WET6.5	WET7.0	WET7.5	WET8.0
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There are 5 tube sizes available to suit patients with different body sizes, and the built-in 4/8 electrode channels enable fast set up and accurate EMG signal display.



NCC Endotracheal Tube Series

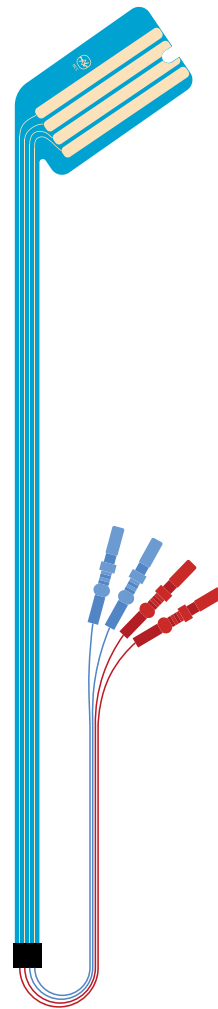
Endotracheal tube: connects with suitable neuromonitoring device, provide clear airway for patient ventilation and as a tool of monitoring muscle and nerve action in throat during surgery. Through electrical stimulation of the recurrent laryngeal nerve, it forms nerve impulse and conducts. The EMG signal released by the innervation muscle is received by the electrode, and the EMG monitored by connecting the monitoring device to determine the integrity of nerve function.

NCC ReFlex Adhesive Laryngeal electrodes

Enhance Surgical Safety and Patient Recovery

NCC Adhesive Laryngeal Electrodes, essential for monitoring the recurrent and superior laryngeal nerves during thyroid, parathyroid, and other laryngeal surgeries, are crafted with flexible, adhesive materials that seamlessly adhere to the endotracheal tube, ensuring nerve protection and post-operative nerve function integrity.

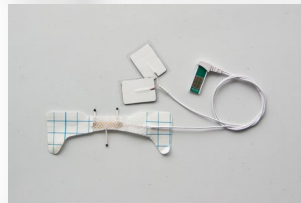
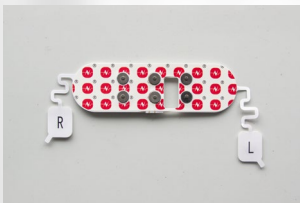
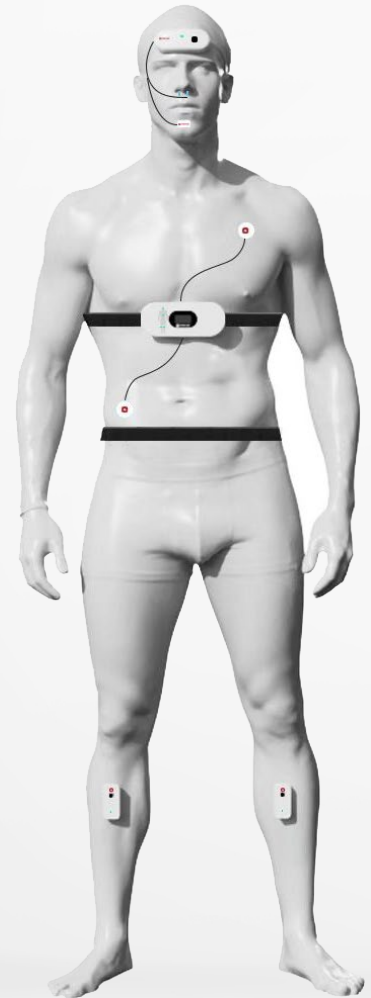
NO	Channel	Specification	Package
RXA-2S	2	For 6.0 and 6.5mm endotracheal tubes	50pcs/carton
RXA-2M		For 7.0 and 7.5mm endotracheal tubes	
RXA-2L		For 8.0 and 8.5mm endotracheal tubes	



Reflex EMG Endotracheal Tube

New material makes the electrode more flexible and increases its contact area

Electroencephalograph (EEG) System

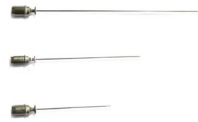


Product Name	Features	Qty	Unit	Package
ECG Electrodes Pad	Pre-gelled electrode pad(EEG)	1	bag	10pcs/bag
Electrodes for Physiotherapy	80*42mm	1	bag	40pcs/bag 25bag/carton

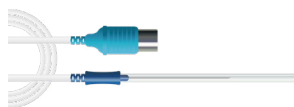
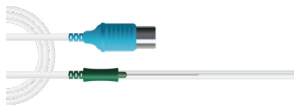
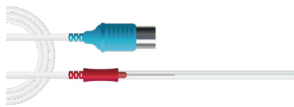
Electromyograph (EMG) System



EMG Consumables



Product Name	Description	Qty	Package
Nr.10.1-28 Nr.10.1-38 Nr.10.1-50	Disposable Sterile EMG Needle(S/M/L) Diameter:0.35,0.4,0.5	1	25 pcs/box
RT34	Surface electrodes Disposable ECG electrodes		100 pcs/bag
Acupunctrue Needle	0.25*13mm		10 pcs/bag



Name	Model Number	Norm	Needle Diameter/ Needle Length/Thread Length (mm)	Replace- ment (Parts)	Qty	Package
Disposable Concentric Needle Elec- trode With Wires	XNEN	2535	25/35/1500	N/A	1	25 pcs/box
		3845	38/45/1500			
		5045	50/45/1500			
		7050	70/50/1500			

	Name	Model Number	Norm	Needle Diameter/ Needle Length/Thread Length (mm)	Replace- ment (Parts)	Qty	Package
	Disposable Concentric Needle Elec- trode	XEN	2535	25/35/nil	ENC1500	1	25 pcs/box
			3845	38/45/nil			
			5045	50/45/nil			
			7050	70/50/nil			
	Disposable Monopolar Needle Elec- trode	XMEN	2535	25/35/nil	ENC1500		
			3845	38/45/nil			
			5045	50/45/nil			
			7050	70/50/nil			

Wireless Surface EMG



NCC Myonet Precision Therapy System



EMG /STIM Injection Guidance with Advanced Nerve and Muscle stimulation. Providing precise EMG/STIM-based guidance for accurate injection delivery, ensuring effective and safe treatment in clinical applications.

Electrodes for Physiotherapy



Square size	Package
4*4cm	10 pair/bag

Injection Needle



Size	Needle Diameter	Package
Needle length: 25mm	0.3/0.35/0.4/0.45/0.5/0.65	20pcs/box 4box/carton

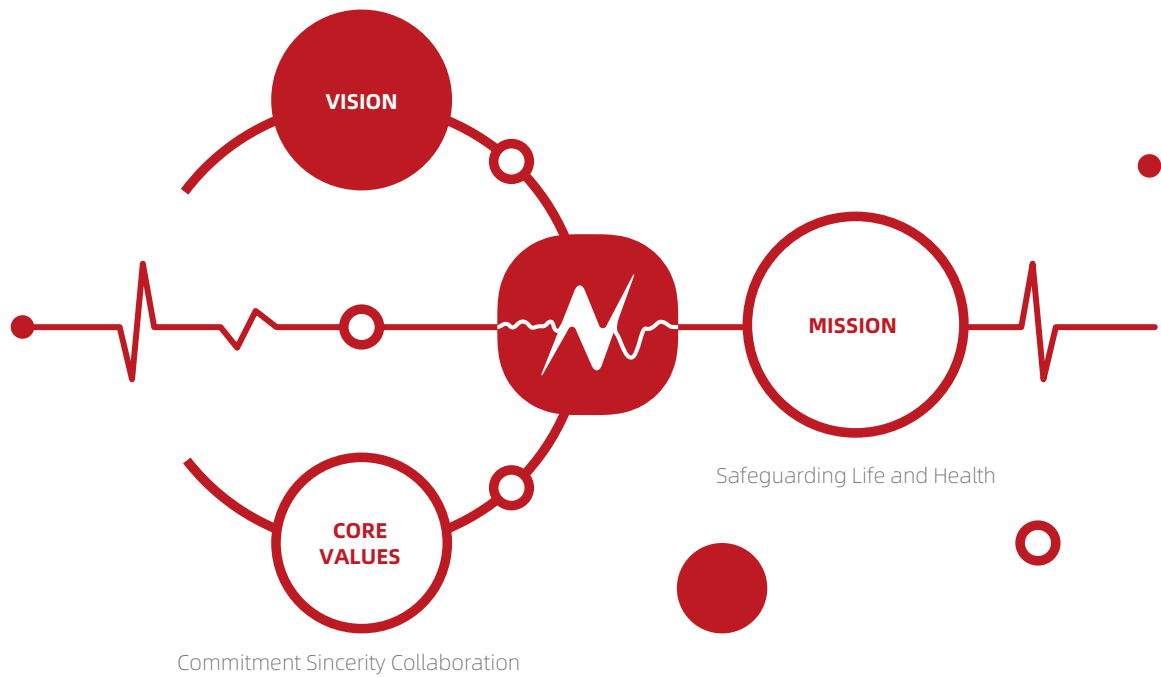


Biofeedback



Product Name	Impedance	Feature	Package
Disposable Vaginal Electrode	$\leq 1\Omega$	Conductive Metal Part 13m*6mm 13m*7mm	1 pc/box
Linear Rectal Electrode	$\leq 1\Omega$	Conductive Metal Part 16mm*7.3mm *39.65mm	

To be a world-renowned electrophysiology solution provider



NCC Medical Co., Ltd.

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