

FRIENDSHIP MEDICAL

富德大

西安富德医疗电子有限公司  
Xi'an Friendship Medical Electronics Co., Ltd.

Version I / October 18, 2015

- Friendship Medical is engaged in providing customers with high-quality and low-cost Disposable Sterile Subdermal Needle Electrodes, Disposable Surface Electrodes (Pre-Gelled Ag/AgCl), Disposable Nerve Locating Probes and other electroneurodiagnostic accessories.
- Meeting your requirements is the cornerstone of our customer service policy.
- Our products have got the certification of American FDA, European CE, Canadian CMDCAS, MSA in Japan and KFDA in Korea!
- We can produce various kinds of complicated and cutting-edge medical products under OEM model!
- We are an OEM company with large production capacities.
- Our company has 5 categories, 18 series and 268 models of electrodes. The annual output of different kinds of electrodes is 20,000,000 sets.

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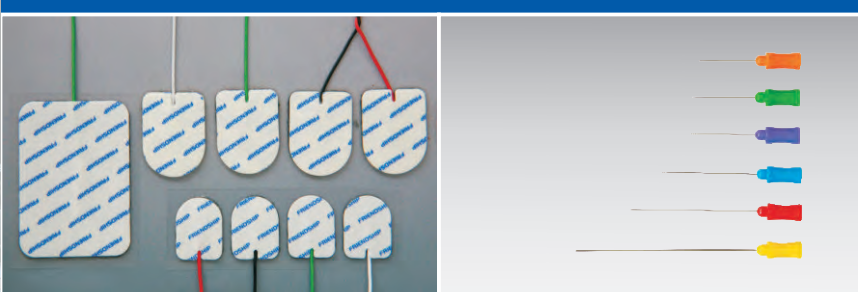
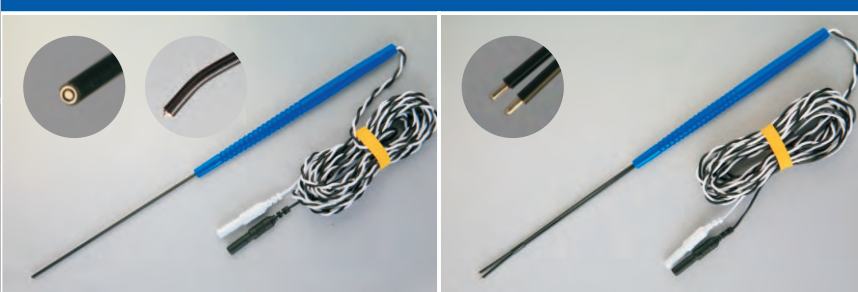
Electroneurodiagnostic  
Electrodes and Accessories



[www.FriendShipEurope.de](http://www.FriendShipEurope.de)

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## Company Profile

Xi'an Friendship Medical Electronics Co., Ltd. is a high-tech multinational manufacturing company with the integration of science and research, product development, design & manufacturing, sale & trade as well as technical consultations. The company not only has a modern office building and standard workshops, but also is equipped with various kinds of specialized cutting-edge facilities, five production lines and purification workshops. The company is backed on abundant technical advantages and manufacturing capacities as well as professors, researchers, experts, senior engineers and production engineers. The company has established branches and product advisory offices in US, Europe and Canada. It has developed various kinds of high-quality medical devices and disposable products. Our company has the strongest production capacity among enterprises around the globe that manufacture similar products. The annual output of electrodes is 20, 000, 000 sets. They are applied to various electroneurodiagnostic workstations, electroencephalograph (EEG), electrocardiograph (ECG) and electromyography (EMG). Our company has disposable sterile subdermal needle electrodes, disposable surface electrodes ( pre-gelled Ag/AgCl ), and multi-functional disposable nerve locating probes as well as surgical instruments, etc. Our products can be classified into 5 categories, 18 series and 268 models. In the meantime, our company possesses a number of world first patents which have filled up the gaps of domestic market.

The products of our company are the only ones that have obtained certification of American FDA, European CE mark, Canadian CMDCAS, MSA in Japan, KFDA in Korea and domestic medical device certification in the similar domestic products. We have also acquired the certification of international quality system ISO13485. We produce strictly under the guidance of the quality system. The best-quality materials are selected to manufacture products and the performance of all our products takes the lead and surpasses the advanced world level. The disposable subdermal needle electrodes and disposable pre-gelled Ag/AgCl surface electrodes have been the best-seller in American markets for ten years and have got good reputation among our customers. Meanwhile, products of our company are favorably commented by many customers in European markets, such as UK, France, Germany, Italy, etc. The international market share of corkscrew needle electrodes accounts for 80%. The market share of disposable subdermal needle electrodes and the disposable pre-gelled Ag/AgCl surface electrodes accounts for 56% in America. The market is still expanding by an annual rate of 28%. The prospect of our company is promising.

We can provide a wide range of services for customers: electronic, circuit, mechanic and structure development, research, design, trial-manufacture, batch production as well as various technical consultations for products of customers.

Friendship Medical is: quality, customer, credit, market, partnership and service-oriented!

Cooperation once, partner forever!

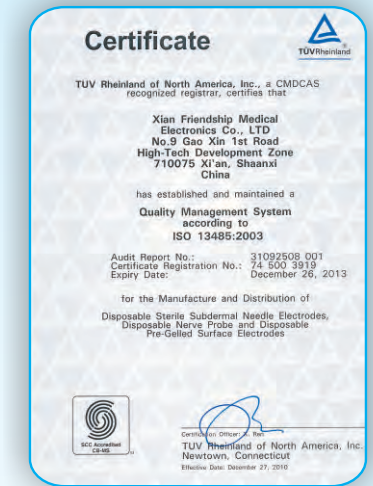
Xi'an Friendship Medical Electronics Co., Ltd.



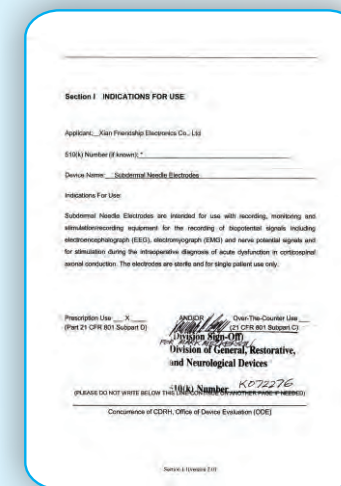
ISO 13485 Certificate



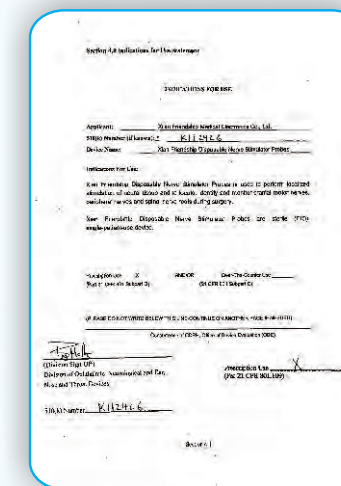
CE Mark Certificate



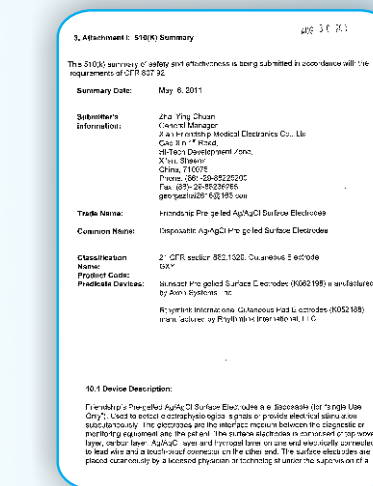
CMDCAS Certificate



Subdermal Needle Electrodes  
FDA Certificate



Disposable Nerve Stimulator Probe  
FDA Certificate



Pre-Gelled Surface Electrodes  
FDA Certificate



The Certificates of Disposable Nerve Locating Probes / Disposable Subdermal Needle Electrodes / Disposable Surface Electrodes ( Pre-gelled Ag/AgCl ) from SFDA



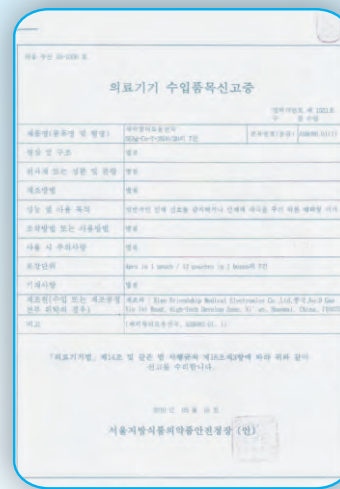




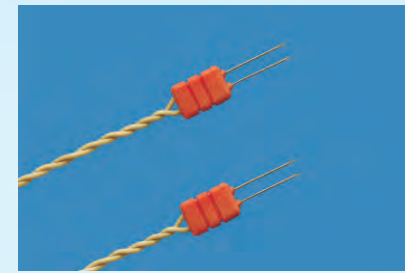
MSA Certificate in Japan



Medical Device Manufacturing Enterprise License



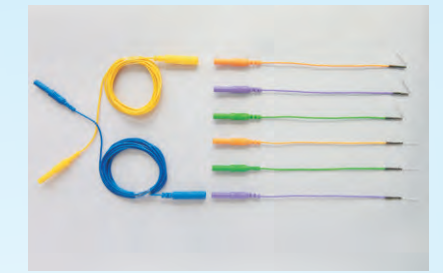
KFDA Certificate in Korea



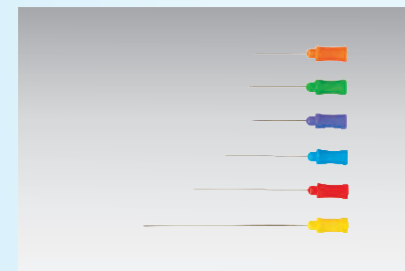
ENT Dual Disposable Needle Electrodes



Medical Extension Lead Wire for Disposable Sterile Subdermal Needle Electrodes (with Short Wire Length)



Connection Method of Disposable Sterile Subdermal Needle Electrodes and Medical Extension Lead Wire



Disposable EMG Concentric Needle Electrodes



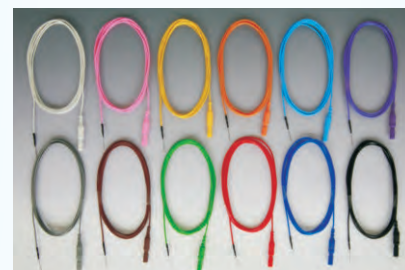
Connection Method of Disposable EMG Monopolar Needle Electrodes and the 5-Pin-DIN Plug Cable



Cable for Concentric Needle Electrodes



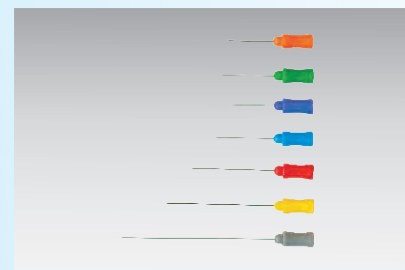
Disposable Sterile Corkscrew Needle Electrodes (Single, Twisted, Multicolor)



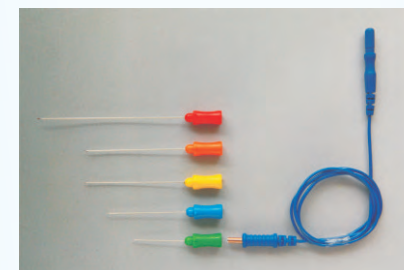
Disposable Sterile Subdermal Needle Electrodes, Single, Multicolor



Disposable Sterile Subdermal Needle Electrodes, Twisted Pair, Multicolor



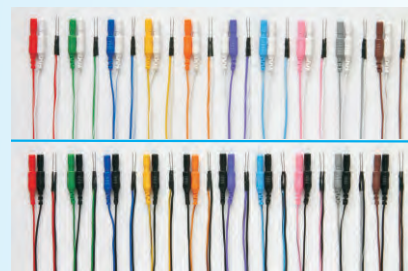
Disposable EMG Monopolar Needle Electrodes



Connection Method of Disposable EMG Monopolar Needle Electrodes and Single Cable



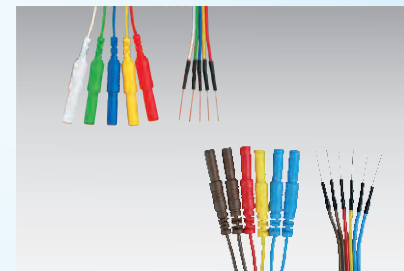
5-Pin-DIN Plug Cable for Monopolar Needle Electrodes



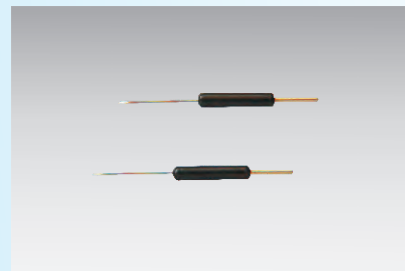
Disposable Sterile Subdermal Needle Electrodes ( Parallel, Multicolor )



Disposable Sterile Subdermal Needle Electrodes (Five / Six Twisted )



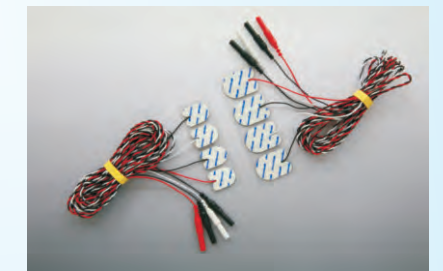
Disposable Sterile Subdermal Needle Electrodes (Five / Six Parallel )



Disposable EMG Sensory Needle



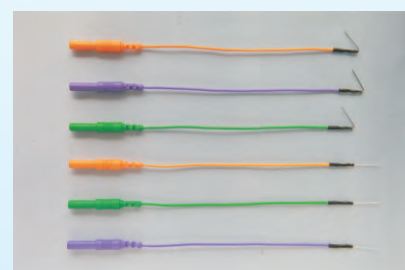
Disposable Surface Electrodes (Pre-gelled Ag/AgCl, Single)



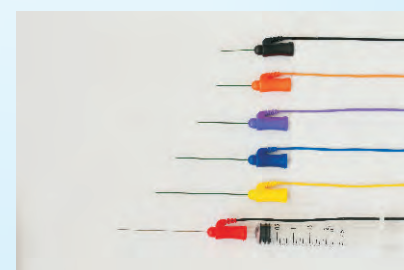
Disposable Surface Electrodes (Pre-gelled Ag/AgCl, Twisted-pair)



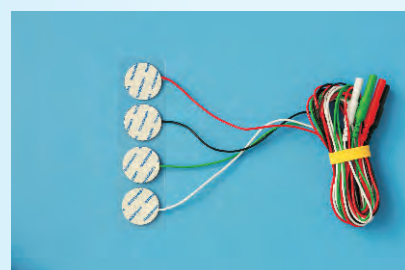
High-Field MRI Intraoperative Electroneurodiagnostic Specific Probes and Electrodes (for Eliminate MRI Artifacts and Image Distortion)



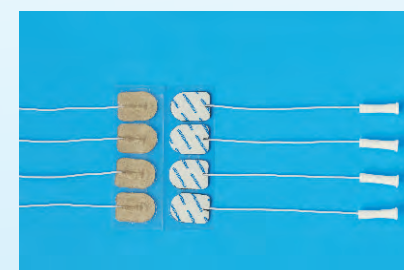
Disposable Sterile Subdermal Needle Electrodes Short Wire Length in 10cm Needle with Short Wire Length bent in 36°



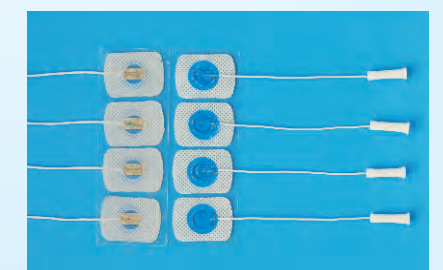
Disposable Sterile Botox Needle Electrodes



Disposable Surface Electrodes (Pre-gelled Ag/AgCl, Round, Single)

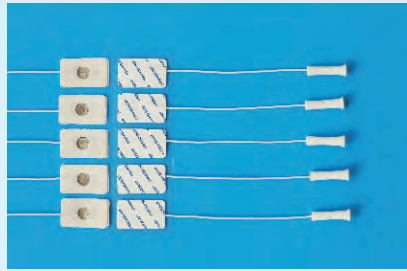


Disposable Surface Electrodes (Pre-gelled Ag/AgCl) (Connector: 0.7mm, Single)

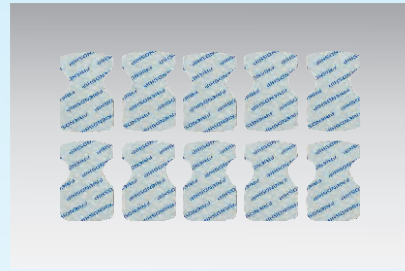


Disposable Surface Electrodes (Central, Ag/AgCl) (with Lead Wire)

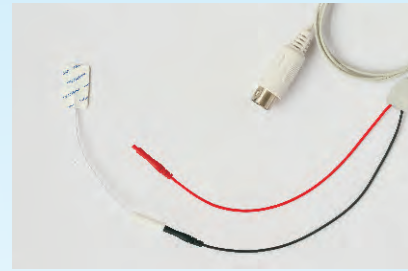




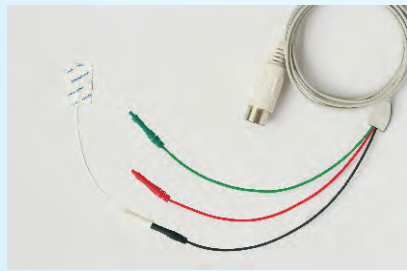
Disposable Surface Electrodes (Central, Ag/AgCl) (with Lead Wire)



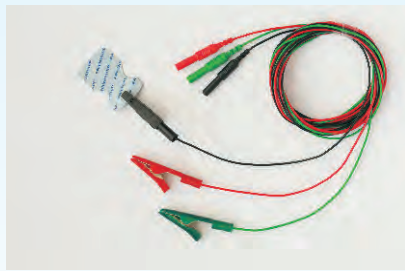
Disposable Surface Electrodes (Central, Ag/AgCl) (Use with Mini-Crocodile Clip)



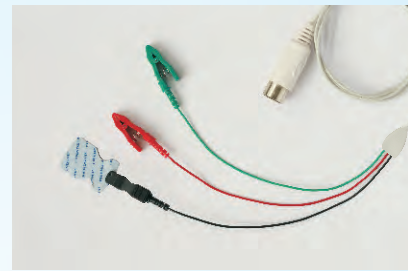
Shielded Electrode Cable



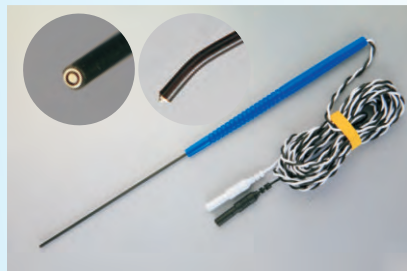
Shielded Electrode Cable



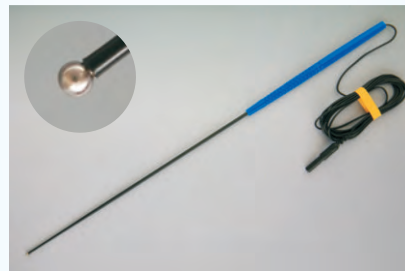
Crocodile Clip Cable



Shielded Electrode Cable



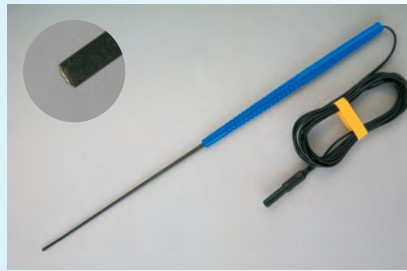
Disposable Concentric Direct (Bent) Nerve Stimulator Probe



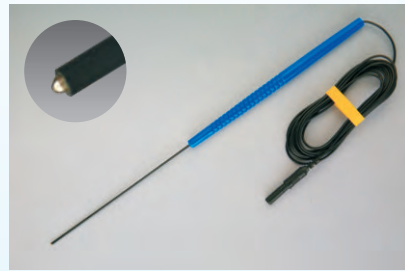
Disposable Ball Tip Direct Nerve Stimulator Probe (90mm-300mm)



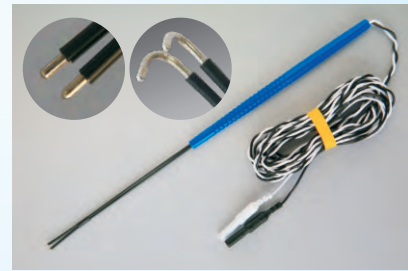
Disposable Ball Tip Direct Nerve Stimulator Probe (90mm-150mm)



Disposable Flush Tip Direct Nerve Stimulator Probe



Disposable Monopolar Direct Nerve Stimulator Probe



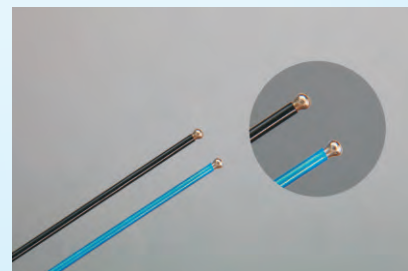
Disposable Bipolar Direct (Bent) Nerve Stimulator Probe



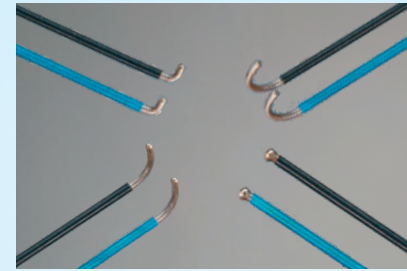
Disposable Hook Nerve Stimulator Probes (Double Hook 100° / 180°)



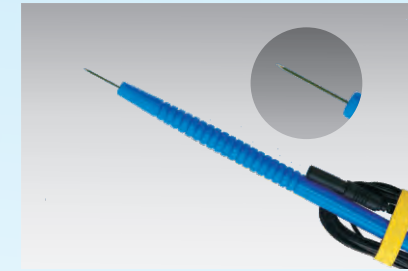
Disposable Hook Nerve Stimulator Probes (Triple Hook 100° / 180°)



Disposable Double Ball Tip Direct Nerve Stimulator Probes



Various Double Hook Nerve Stimulator Probes  
Double Hook 100° / Double Hook 180°  
Peacock Hook 90° / Double Ball Tip



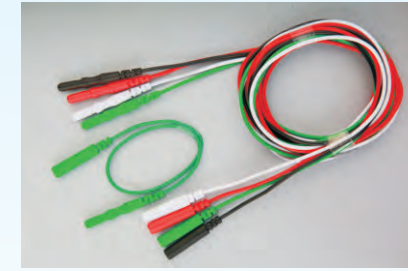
Disposable Needle Stimulator Probes



Medical EEG Gold Cup Electrodes (Three Kinds of Wires: Long-Life Teflon Wire, PVC Wire and Silicone Wire)



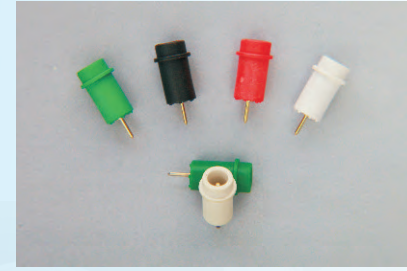
Medical EEG Ag/AgCl Cup Electrodes (Three Kinds of Wires: Long-Life Teflon Wire, PVC Wire and Silicone Wire)



Extension Lead Wires (4 Colors)



Harness for 18 Channels of Disposable Sterile Subdermal Needle Electrodes



Din Jack



Disposable Digital Ring Electrodes





## Brief Introduction of Products

The products of our company are available for customers with high quality and the lowest price in the market. Regardless of customers' order quantity, each customer is warmly welcomed. We can provide custom-made products under OEM mode and also can research and develop new products for customers. The delivery period is guaranteed.

### Disposable Sterile Subdermal Needle Electrodes

**Application:** The medical needle electrode is mainly used by medical practitioners to collect bioelectric signals (EEG, ECG and EMG) from corresponding parts of human bodies during clinical diagnosis, examination, treatment and surgical operations and transmit such signals to nerve monitors, electroencephalograph (EEG), electrocardiograph (ECG), electromyography (EMG) for processing, analysis and diagnosis. Also the subdermal needle electrodes can be used to transmit low-frequency pulse wave sent by the low-frequency therapeutic apparatus to the subcutaneous tissues of patients so as to stimulate peripheral nerves, activate and pace potentials of palsied peripheral nerves of patients.

The advantages of this product are as follows:

1. The product is made of selected vacuum-smelted, high-elastic and medical grade stainless steel wires and is grinded with special processes.
2. The sterile disposable subdermal needle electrodes can be divided into two kinds:
  - A. The sharpening electrode needle with bevel small-angle can mitigate bleedings from needle-punched points and reduce pain.
  - B. The taper electrode needle has a major advantage that no bleeding or ache feelings are caused at the needle-punched points, no nerves are cut off and no subcutaneous tissues are destroyed. It makes little damage and can rotate;
3. The high-quality silver welding process and gilded anti-oxidation and safe touch-defense connector (DIN 42802) are used between needle and lead wire. In this way, the reliability and stability of conductance can be improved and the resistance is greatly lowered.
4. Number each part of human body on left and right sides in 12 colors so as to easily distinguish electric signals of each part.
5. We adopt the mini-packaging pouches that are made of Tyvek 1059B dialysis paper produced by American DUPONT, with advantages of better EO sterilization and dialysis performance, thorough sterilization and higher efficiency in anti-virus. The dialysis paper we use has a higher intensity than common paper.
6. It is very convenient for operators to tear with tip sealing methods. The mini-style is portable to operators. The lead wires wind beautifully and orderly in the pouches and they stretch out immediately without knots or windings when pouches are opened on the operation platform. It is easy to operate.
7. The twisted pair is a piece of sound conducting wire with effective anti-electrical interference and noise-reduction capacity.
8. Many varieties and specifications are available and customers can select in the range of 1.0m, 1.2m, 1.5m, 2.0m and 2.5m.

### Disposable Sterile Corkscrew Needle Electrodes (Single, Twisted)



- 6 Colors / 12 Colors
- Stainless steel
- Needle Diameter: 0.6mm
- 24 pieces / 12 pairs individually packed per box
- Single patient use only

| Article # | Part #          | Lead Length |
|-----------|-----------------|-------------|
| 1001      | NES-D1-1200/0.6 | 1200mm      |
| 1003      | NES-D1-1500/0.6 | 1500mm      |
| 1004      | NES-D1-2000/0.6 | 2000mm      |
| 1005      | NES-D1-2500/0.6 | 2500mm      |
| 1002      | NES-D2-1200/0.6 | 1200mm      |
| 1006      | NES-D2-1500/0.6 | 1500mm      |
| 1007      | NES-D2-2000/0.6 | 2000mm      |
| 1008      | NES-D2-2500/0.6 | 2500mm      |

### Disposable Sterile Subdermal Needle Electrodes (Single, Multicolor)



- 6 Colors / 12 Colors
- Stainless steel
- Needle Length: 7, 13, 17, 23mm, Diameter: 0.35, 0.40, 0.45mm
- 24 pieces individually packed per box
- Single patient use only

| Article # | Part #            | Lead Length |
|-----------|-------------------|-------------|
| 1010      | NE-S-1000/13/0.4  | 1000mm      |
| 1011      | NE-S-1500/13/0.4  | 1500mm      |
| 1012      | NE-S-2000/13/0.4  | 2000mm      |
| 1013      | NE-S-2500/13/0.4  | 2500mm      |
| 1040      | NE-S-1500/7/0.35  | 1500mm      |
| 1041      | NE-S-1500/7/0.4   | 1500mm      |
| 1042      | NE-S-1500/17/0.45 | 1500mm      |
| 1043      | NE-S-1500/23/0.4  | 1500mm      |

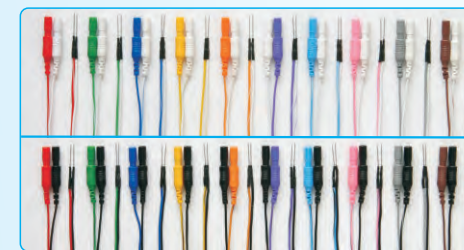
### Disposable Sterile Subdermal Needle Electrodes (Twisted, Multicolor)



- 12 colors
- Stainless steel
- Needle Length: 7mm, 13mm, 19mm, Diameter: 0.4mm
- 12 pairs individually packed per box
- Single patient use only

| Article # | Part #           | Lead Length |
|-----------|------------------|-------------|
| 1020      | NE-T-1000/13/0.4 | 1000mm      |
| 1021      | NE-T-1500/13/0.4 | 1500mm      |
| 1022      | NE-T-2000/13/0.4 | 2000mm      |
| 1023      | NE-T-2500/13/0.4 | 2500mm      |
| 1024      | NE-T-1500/7/0.4  | 1500mm      |
| 1028      | NE-T-1500/19/0.4 | 1500mm      |

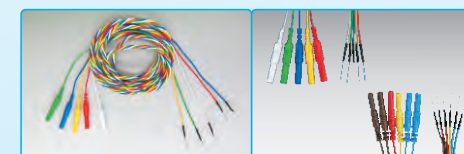
### Disposable Sterile Subdermal Needle Electrodes (Parallel, Multicolor)



- 10 colors
- Stainless steel
- Needle Length: 13mm, 17mm, Diameter: 0.4mm, 0.45mm
- 10 pairs individually packed per box
- Single patient use only

| Article # | Part #            | Lead Length |
|-----------|-------------------|-------------|
| 1029      | NE-P-1000/13/0.4  | 1000mm      |
| 1025      | NE-P-1500/13/0.4  | 1500mm      |
| 1026      | NE-P-2000/13/0.4  | 2000mm      |
| 1027      | NE-P-2500/13/0.4  | 2500mm      |
| 1045      | NE-P-1500/17/0.45 | 1500mm      |

### Disposable Sterile Subdermal Needle Electrodes (Six Twisted and Six Parallel)



- Easy to operate and wind orderly during the intraoperative process
- 10 sets individually packed per box

| Article # | Part #            | Lead Length |
|-----------|-------------------|-------------|
| 1031      | NE-P6-1500/13/0.4 | 1500mm      |
| 1034      | NE-T6-1500/13/0.4 | 1500mm      |



Disposable Sterile Subdermal Needle Electrodes  
(Needle with Short Wire Length and Needle with Short Wire Length bent in 36° )



- Use with Medical Extension Lead Wire in article number 1060 to 1063. This will reduce the cost and is environment-friendly.
- 2 pieces per pouch, 48 pieces per box.

| Article # | Part #            | Lead Length |
|-----------|-------------------|-------------|
| 1050      | NE-SS-100/13/0.4  | 100mm       |
| 1051      | NE-SSB-100/13/0.4 | 100mm       |

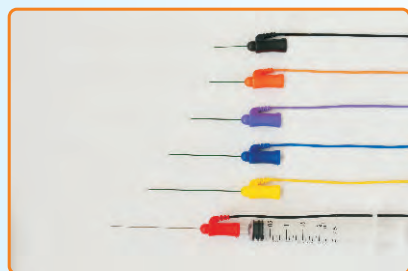
Medical Extension Lead Wire



- Medical extension lead wire for disposable subdermal needle electrodes
- Wire Length: 1.0m, 1.5m, 2.0m, 2.5m
- Color: P1 (Red/Orange/Yellow/Green/Blue/Purple), P2 (Black/White/Light Blue/Brown/Pink/Grey)
- 12 Pieces per pouch, 12 pieces per Box

| Article # | Part #        | Wire Length |
|-----------|---------------|-------------|
| 1060      | EW1000-P1/ P2 | 1000mm      |
| 1061      | EW1500-P1/ P2 | 1500mm      |
| 1062      | EW2000-P1/ P2 | 2000mm      |
| 1063      | EW2500-P1/ P2 | 2500mm      |

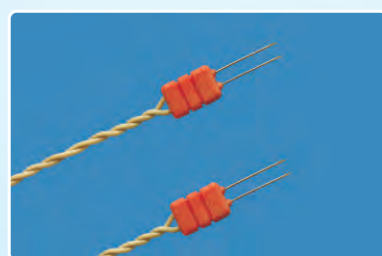
Disposable Sterile Botox Needle Electrodes



- Needles are made of stainless steel and feature a smooth PTFE coating with a back-cut beveled tip that reduces insertion pain
- EO-sterilization, single patient use only

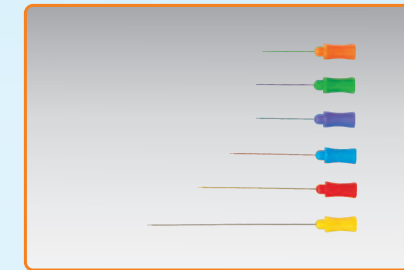
| Article # | Part #   | Needle Length | Needle Diameter |
|-----------|----------|---------------|-----------------|
| 1120      | NEBN2530 | 25mm          | 0.30mm/30G      |
| 1121      | NEBN2535 | 25mm          | 0.35mm/28G      |
| 1122      | NEBN3040 | 30mm          | 0.40mm/27G      |
| 1123      | NEBN3845 | 38mm          | 0.45mm/26G      |
| 1124      | NEBN5050 | 50mm          | 0.50mm/25G      |
| 1125      | NEBN7565 | 75mm          | 0.65mm/23G      |

ENT Dual Disposable Needle Electrodes



| Article # | Part #            | Lead Length |
|-----------|-------------------|-------------|
| 1201      | NE-D1-1000/12/0.4 | 1000mm      |
| 1202      | NE-D1-1500/12/0.4 | 1500mm      |
| 1203      | NE-D1-2000/12/0.4 | 2000mm      |
| 1204      | NE-D1-2500/12/0.4 | 2500mm      |

Disposable EMG Concentric Needle Electrodes



- Sharp point
- Ergonomic hub design
- Six colors coded for easy identification, use with the cable in article number 1080 to 1084
- 25 pieces individual package per box
- EO-sterilization, single patient use only

| Article # | Part #  | Needle Length | Needle Diameter |
|-----------|---------|---------------|-----------------|
| 1070      | NEC2530 | 25mm          | 0.30mm/30G      |
| 1071      | NEC2535 | 25mm          | 0.35mm/28G      |
| 1072      | NEC3040 | 30mm          | 0.40mm/27G      |
| 1073      | NEC3845 | 38mm          | 0.45mm/26G      |
| 1074      | NEC5050 | 50mm          | 0.50mm/25G      |
| 1075      | NEC7565 | 75mm          | 0.65mm/22G      |

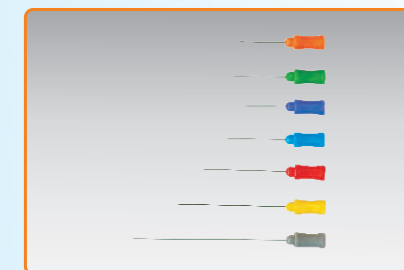
Cable for Concentric Needle Electrodes



- 5 pin DIN plug
- High performance shielded cable

| Article # | Part #  | Lead Length |
|-----------|---------|-------------|
| 1080      | CCN1000 | 1000mm      |
| 1081      | CCN1500 | 1500mm      |
| 1082      | CCN2000 | 2000mm      |
| 1083      | CCN2500 | 2500mm      |
| 1084      | CCN3000 | 3000mm      |

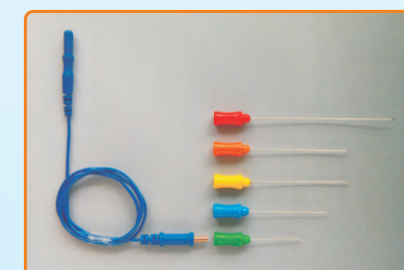
Disposable EMG Monopolar Needle Electrodes



- Sharp point
- Ergonomic hub design
- Seven colors coded for easy identification, use with the cable in article number 1100, 1101, 1102, 1103, 1104
- 25 pieces individual package per box
- EO-sterilization, single patient use only

| Article # | Part #  | Needle Length | Needle Diameter |
|-----------|---------|---------------|-----------------|
| 1090      | NEM2025 | 20mm          | 0.25mm/33G      |
| 1091      | NEM2530 | 25mm          | 0.30mm/30G      |
| 1092      | NEM2535 | 25mm          | 0.35mm/28G      |
| 1093      | NEM3040 | 30mm          | 0.40mm/27G      |
| 1094      | NEM3845 | 38mm          | 0.45mm/26G      |
| 1095      | NEM5050 | 50mm          | 0.50mm/25G      |
| 1096      | NEM7565 | 75mm          | 0.65mm/22G      |

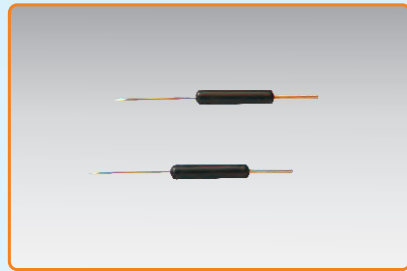
Single Cable for Monopolar Needle Electrodes



| Article # | Part #  | Lead Length |
|-----------|---------|-------------|
| 1103      | CMN1000 | 1000mm      |
| 1100      | CMN1500 | 1500mm      |
| 1101      | CMN2000 | 2000mm      |
| 1102      | CMN2500 | 2500mm      |
| 1104      | CMN3000 | 3000mm      |



## Disposable EMG Sensory Needle



- Designed for recording leading off potentials from sensory nerves. These stainless steel needle electrodes are insulated.
- The exposed tip of the cannula is trocar shaped and serves as the recording area. Each needle is presterilized by ETO.
- Use with Cables: 2027, 2035, 2028, 2036, 2029, 2037, 2030, 2038

| Article # | Part # | Needle Length | Needle Diameter |
|-----------|--------|---------------|-----------------|
| 1110      | SN1535 | 15mm          | 0.35mm/28G      |
| 1111      | SN2040 | 20mm          | 0.40mm/27G      |
| 1112      | SN3040 | 30mm          | 0.40mm/27G      |
| 1113      | SN1565 | 15mm          | 0.65mm/22G      |
| 1114      | SN3065 | 30mm          | 0.65mm/22G      |
| 1115      | SN5065 | 50mm          | 0.65mm/22G      |

## Disposable Surface Electrodes (Pre-Gelled Ag/AgCl)

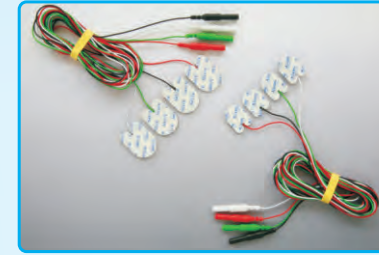
The disposable surface electrode is an electrode combining nanometer silver/silver chloride conductive film and conductive gel together. When the disposable surface electrode is applied, the EC signals between the electrode pad and the skin are transmitted by a layer of irreversible high-tech material made from Ag/AgCl and thin electrolyte. Presently, it's the most ideal, advanced, accurate, and convenient surface electrode for clinical testing and recording EC and EE and evoking potentials.

This electrode has the following functions:

1. The interface of electrode has a great competence of saving charges (the competence of saving charges is five times to N times stronger than that of button-type). The electrode possesses the characteristics of stable performance, lower impedance and reduction of signal attenuation.
2. Fast response and easier to achieve balance;
3. Small and stable potential, sound reproducibility and small DC drift, no formation of DC offset voltage.
4. Little interference to bioelectric signals, no white noise and no non-linear. The product plays a better role within the compass of low-frequency.
5. The high-quality gel is utilized in electrodes. Thus electrode and electrolyte are sound to human bodies, have no side effects and possess good biocompatibility.

The disposable surface electrode (the ECG electrode) produced by our company is the exclusive product in China. This electrode has achieved the leading level, obtained the CE and FDA certification and occupied a large market share in America and Europe.

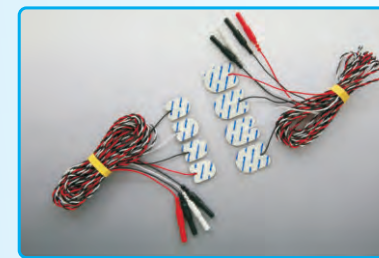
## Disposable Surface Electrodes (Pre-gelled Ag/AgCl, Single)



- Long lasting adhesiveness
- High quality Ag/AgCl sensor
- Advanced American skin-friendly gel

| Article # | Part #               | Size      | Lead Length |
|-----------|----------------------|-----------|-------------|
| 2002      | SEAg-S-1500/15x20    | 15mmx20mm | 1500mm      |
| 2003      | SEAg-S-2500/15x20    | 15mmx20mm | 2500mm      |
| 2004      | SEAg-S-1500/20x27    | 20mmx27mm | 1500mm      |
| 2005      | SEAg-S-2500/20x27    | 20mmx27mm | 2500mm      |
| 2022      | SEAg-S-100/15x20     | 15mmx20mm | 100mm       |
| 2023      | SEAg-S-0.7/100/15x20 | 15mmx20mm | 100mm       |

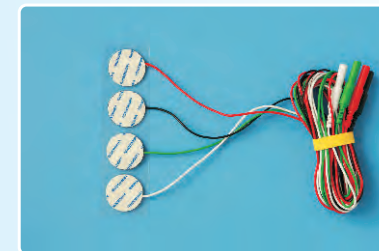
## Disposable Surface Electrodes (Pre-gelled Ag/AgCl, Twisted-pair)



- Long lasting adhesiveness
- High quality Ag/AgCl sensor
- Advanced American skin-friendly gel

| Article # | Part #            | Size      | Lead Length |
|-----------|-------------------|-----------|-------------|
| 2006      | SEAg-T-1500/15x20 | 15mmx20mm | 1500mm      |
| 2007      | SEAg-T-2500/15x20 | 15mmx20mm | 2500mm      |
| 2008      | SEAg-T-1500/20x27 | 20mmx27mm | 1500mm      |
| 2009      | SEAg-T-2500/20x27 | 20mmx27mm | 2500mm      |

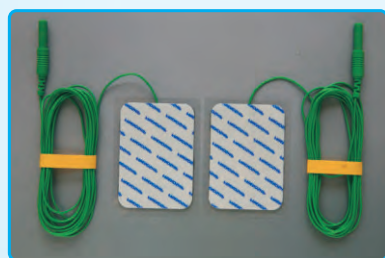
## Disposable Surface Electrodes (Pre-gelled Ag/AgCl, Round, Single)



- Long lasting adhesiveness
- High quality Ag/AgCl sensor
- Advanced American skin-friendly gel

| Article # | Part #         | Size  | Lead Length |
|-----------|----------------|-------|-------------|
| 2020      | SEAg-S-1000/20 | Φ20mm | 1000mm      |
| 2021      | SEAg-S-1500/20 | Φ20mm | 1500mm      |

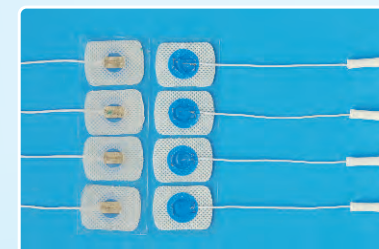
## Disposable Surface Electrodes (Pre-gelled Ag/AgCl, Ground)



- Long lasting adhesiveness
- Ideal for sleep studies and ground electrodes
- High quality Ag/AgCl sensor
- Advanced American skin-friendly gel

| Article # | Part #            | Size      | Lead Length |
|-----------|-------------------|-----------|-------------|
| 2001      | SEAg-S-2000/35x50 | 35mmx50mm | 2000mm      |
| 2010      | SEAg-S-2500/35x50 | 35mmx50mm | 2500mm      |

## Disposable Surface Electrodes (Central, Ag/AgCl) (with Lead Wire)

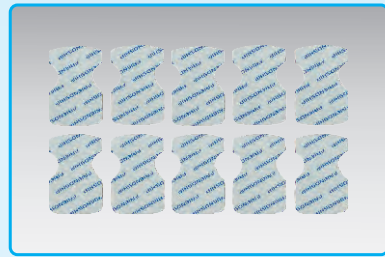


- Long lasting adhesiveness
- The transparent sensor area enables you to locate the examination target area very precisely
- High quality Ag/AgCl sensor for optimal signal quality, low noise
- 0.7mm pin
- 144 pieces per Box

| Article # | Part #               | Size      | Lead Length |
|-----------|----------------------|-----------|-------------|
| 2024      | SEAg-C-1.5/800/22x30 | 22mmx30mm | 800mm       |
| 2025      | SEAg-C-0.7/100/22x30 | 22mmx30mm | 100mm       |



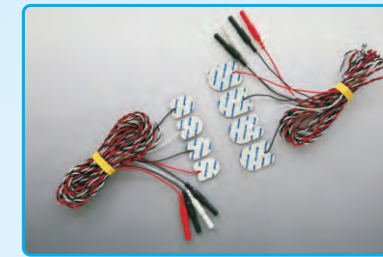
### Disposable Surface Electrodes (Central, Ag/AgCl) (Use with Mini-Crocodile Clip)



- Long lasting adhesiveness
- High quality Ag/AgCl sensor for Optimal Signal Quality, Low Noise
- Advanced American skin-friendly gel
- USE with mini-crocodile clip, reduce the usage cost
- 600 pieces per Box

| Article # | Part #       | Size      |
|-----------|--------------|-----------|
| 2031      | SEAg-J-22x32 | 22mmx32mm |

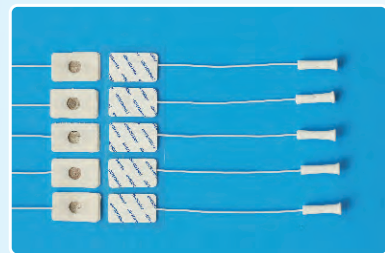
### Disposable Surface Electrodes (Pre-gelled Ag/AgCl, Parallel)



- Long lasting adhesiveness
- High quality Ag/AgCl sensor
- Advanced American skin-friendly gel

| Article # | Part #            | Size      | Lead Length |
|-----------|-------------------|-----------|-------------|
| 2011      | SEAg-P-1500/15x20 | 15mmx20mm | 1500mm      |
| 2012      | SEAg-P-2500/15x20 | 15mmx20mm | 2500mm      |
| 2013      | SEAg-P-1500/20x27 | 20mmx27mm | 1500mm      |
| 2014      | SEAg-P-2500/20x27 | 20mmx27mm | 2500mm      |

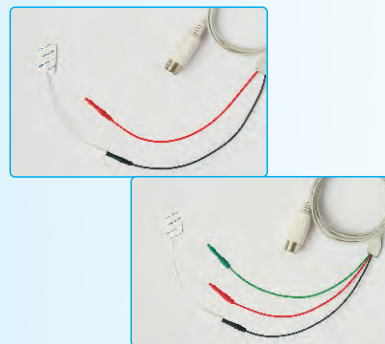
### Disposable Surface Electrodes (Central, Ag/AgCl) (with Lead Wire)



- 0.7mm pin
- 300 pieces per Box

| Article # | Part #               | Size      |
|-----------|----------------------|-----------|
| 2026      | SEAg-C-0.7/100/14x24 | 14mmx24mm |

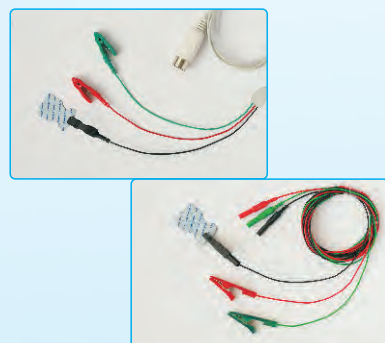
### Shielded Electrode Cable



- Shielded Electrode Cable for 2023, 2025, 2026, 1110, 1111, 1112, 1113, 1114, 1115, 2x0.7mm, 3x0.7mm FemaleTP
- Wire Length: 1.0m, 1.5m, 2.0m, 2.5m
- Color: Red/ Black/ Green

| Article # | Part #            | Connector | Lead Length |
|-----------|-------------------|-----------|-------------|
| 2027      | SEC-5P/2x0.7/1000 | 2x0.70mm  | 1000mm      |
| 2035      | SEC-5P/2x0.7/1500 | 2x0.70mm  | 1500mm      |
| 2028      | SEC-5P/2x0.7/2000 | 2x0.70mm  | 2000mm      |
| 2036      | SEC-5P/2x0.7/2500 | 2x0.70mm  | 2500mm      |
| 2029      | SEC-5P/3x0.7/1000 | 3x0.70mm  | 1000mm      |
| 2037      | SEC-5P/3x0.7/1500 | 3x0.70mm  | 1500mm      |
| 2030      | SEC-5P/3x0.7/2000 | 3x0.70mm  | 2000mm      |
| 2038      | SEC-5P/3x0.7/2500 | 3x0.70mm  | 2500mm      |

### Shielded / Crocodile Clip Cable



- Crocodile Clip Cable for 2031
- Wire Length: 1.0m, 1.5m, 2.0m, 2.5m
- Color: Red/ Black/Green

| Article # | Part #          | Lead Length |
|-----------|-----------------|-------------|
| 2039      | CCS 1000        | 1000mm      |
| 2032      | CCS 1500        | 1500mm      |
| 2040      | CCS 2000        | 2000mm      |
| 2041      | CCS 2500        | 2500mm      |
| 2033      | SEC-5P/3C/ 1000 | 1000mm      |
| 2042      | SEC-5P/3C/ 1500 | 1500mm      |
| 2034      | SEC-5P/3C/ 2000 | 2000mm      |
| 2043      | SEC-5P/3C/ 2500 | 2500mm      |

### Disposable Nerve Locating Probes

Disposable nerve locating probes in different shapes are applied to different parts of human body by practitioners to stimulate the nerve and detect the original functional condition of nerve of surgical sites during the intraoperative process, or assist practitioners to analyse and determine whether neural function is normal or not during the intraoperative process or after the operation.

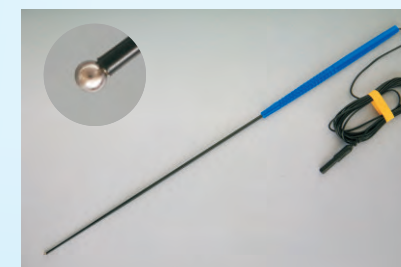
Generally, in the process of stimulation and detection, the probe shape and length should be chosen based on the following situations according to necessary monitoring range in operation and probe shape required by parts of human body:

1. Concentric nerve stimulator probe is mainly intended for small scope usage and the stimulating area is between 1.0mm<sup>2</sup> and 1.4mm<sup>2</sup>. The stimulating wave of electrical impulse from central electrode is controlled within the outer electrode. The stimulating area is within the range of millimeter which is not liable to cause strong stimulation.
2. Ball tip direct nerve stimulator probe, monopolar direct nerve stimulator probe and flush tip direct nerve stimulator probe are mainly applied to peripheral nerve stimulating. The stimulating area depends on the setting of return electrodes.
3. Bipolar direct nerve stimulator probes, double ball tip direct nerve stimulator probes and double hook nerve stimulator probes are mainly applied to stimulation and recording of peripheral nerve as well as recording of peripheral nerve conduction and identification and functional determination of nerve when the peripheral nerve is transplanted. The stimulating area is between two electrodes.
4. Triple hook nerve stimulator probes have the same function as the double ball tip direct nerve stimulator probes but the stimulus artifact is smaller (the stimulated current is spread in a controlled way).
5. Probe with long shaft is applied to bigger cavity or deeper cut during intraoperative process.

High-quality 304 stainless steel is used for this series of probes. The surface of probe itself possesses very great biocompatibility, high intensity and perfect flexibility and insulating material that can withstand high voltage in 1000V.

Since there is an insulated layer on the surface of probe itself and the body fluid is easy to access to insulation interlayer to form a barrier layer of a place that could hold dirt and filthy things, it is apt to make cross-infection. For this reason, this kind of probe can only be single-used and is never allowed to be used to different people.

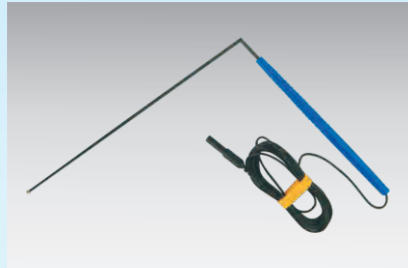
### Disposable Nerve Locating Probes (Series)



#### Disposable Ball Tip Direct Nerve Stimulator Probe

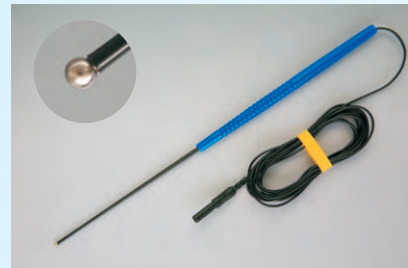
Article #: 3005  
 Part #: PNG2.3/160  
 Tip Diameter: 2.3mm  
 Probe Shaft Effective Length: 150–220mm  
 Q'ty per Box: 1pc





### Disposable Bent Ball Tip Nerve Stimulator Probe

Article #: 3006  
Part #: PNGB2.3/200  
Tip Diameter: 2.3mm  
Probe Shaft Effective Length: 175–200mm  
Q'ty per Box: 1pc



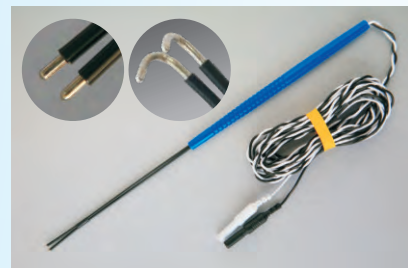
### Disposable Ball Tip Direct Nerve Stimulator Probe

Article #: 3004  
Part #: PNG2.3/90  
Tip Diameter: 2.3mm  
Probe Shaft Effective Length: 80–150mm  
Q'ty per Box: 1pc



### Disposable (Bent) Concentric Nerve Stimulator Probe (Probe tip can be bent according to customer requirement)

Article #: 3007, 3008  
Part #: PNC1.3/90, PNCB1.3/90  
Tip Diameter: 1.3mm  
Probe Shaft Effective Length: 80–120mm  
Q'ty per Box: 1pc



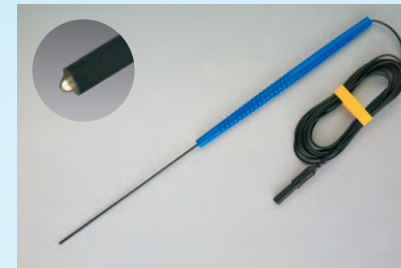
### Disposable Bipolar Direct (Bent) Nerve Stimulator Probe

Article #: 3002, 3017  
Part #: PNB0.8x2/90, PNBB0.8x2/90  
Tip Diameter: 0.8mm  
Probe Shaft Effective Length: 80–120mm  
Q'ty per Box: 1pc



### Disposable Flush Tip Direct Nerve Stimulator Probe

Article #: 3003  
Part #: PNT0.8/90  
Tip Diameter: 0.8mm  
Probe Shaft Effective Length: 80–150mm  
Q'ty per Box: 1pc



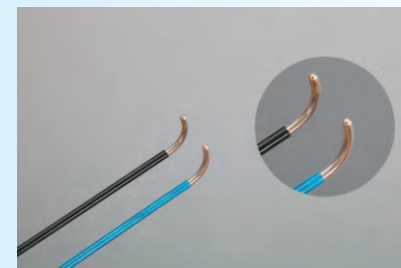
### Disposable Monopolar Direct Nerve Stimulator Probe

Article #: 3001  
Part #: PNM0.8/90  
Tip Diameter: 0.8mm  
Probe Shaft Effective Length: 80–120mm  
Q'ty per Box: 1pc



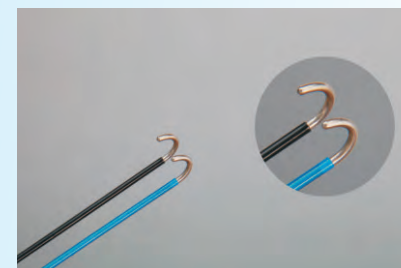
### Disposable Right Angle Double Hook Probes

Article #: 3011  
Part #: PNH1.2/80x2x90°  
Probe Diameter: 1.2mm  
Probe Shaft Effective Length: 70–120mm  
Double Hook Degree: 90°  
Probe Shaft Spacing: 5mm  
Q'ty per Box: 1pc



### Disposable Double Hook Nerve Stimulator Probes - 100 degree

Article #: 3009  
Part #: PNH1.2/80x2x100°  
Probe Diameter: 1.2mm  
Probe Shaft Effective Length: 70–120mm  
Double Hook Degree: 100°  
Probe Shaft Spacing: 5mm  
Q'ty per Box: 1pc



### Disposable Double Hook Nerve Stimulator Probes - 180 degree

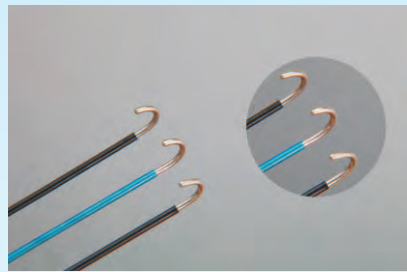
Article #: 3010  
Part #: PNH1.2/80x2x180°  
Probe Diameter: 1.2mm  
Probe Shaft Effective Length: 70–120mm  
Double Hook Degree: 180°  
Probe Shaft Spacing: 5mm  
Q'ty per Box: 1pc



### Disposable Triple Hook Nerve Stimulator Probes - 100 degree

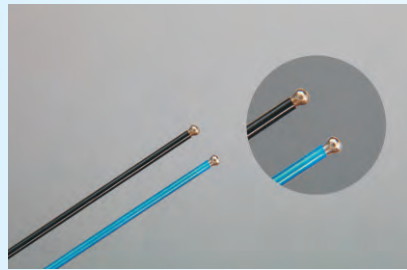
Article #: 3013  
Part #: PNH1.2/80x3x100°  
Probe Diameter: 1.2mm  
Probe Shaft Effective Length: 70–120mm  
Triple Hooks Arc Degree: 100°  
Probe Shaft Spacing: 5mm  
Q'ty per Box: 1pc





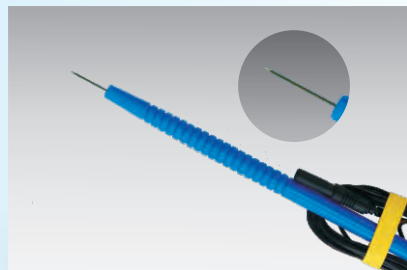
### Disposable Triple Hook Nerve Stimulator Probes - 180 degree

Article #: 3014  
 Part #: PNH1.2/80x3x180°  
 Probe Diameter: 1.2mm  
 Probe Shaft Effective Length: 70–120mm  
 Triple Hooks Arc Degree: 180°  
 Probe Shaft Spacing: 5mm  
 Q'ty per Box: 1pc



### Disposable Double Ball Tip Direct Nerve Stimulator Probes

Article #: 3012  
 Part #: PNHG2.0/80x2  
 Tip Diameter: 2.0mm  
 Probe Shaft Effective Length: 70–120mm  
 Probe Shaft Spacing: 5mm  
 Q'ty per Box: 1pc



### Disposable Needle Stimulator Probes

Article #: 3019, 3020, 3021  
 Part #: PNN0.4/13 PNN0.3/13 PNN0.25/13  
 Needle Diameter: 0.4mm/0.3mm/0.25mm  
 Needle Length: 13mm  
 Q'ty per Box: 12 pcs

### Medical EEG Cup Electrodes

Medical EEG Gold Cup Electrodes / Ag/AgCl Cup Electrodes / Ag Cup Electrodes  
 (Three Kinds of Wires: Long-Life Teflon Wire, PVC Wire and Silicone Wire, 10 Colors)



| Article # | Part #       | Lead Length |
|-----------|--------------|-------------|
| 5030      | DEG101500-TF | 1500mm      |
| 5031      | DEG102500-TF | 2500mm      |
| 5032      | DEG101500-SC | 1500mm      |
| 5033      | DEG102500-SC | 2500mm      |
| 5034      | DEG101500-PC | 1500mm      |
| 5035      | DEG102500-PC | 2500mm      |



| Article # | Part #        | Lead Length |
|-----------|---------------|-------------|
| 5040      | DECL101500-TF | 1500mm      |
| 5041      | DECL102500-TF | 2500mm      |
| 5042      | DECL101500-SC | 1500mm      |
| 5043      | DECL102500-SC | 2500mm      |
| 5044      | DECL102500-PC | 1500mm      |
| 5045      | DECL102500-PC | 2500mm      |



| Article # | Part #       | Lead Length |
|-----------|--------------|-------------|
| 5050      | DES101500-TF | 1500mm      |
| 5051      | DES102500-TF | 2500mm      |
| 5052      | DES101500-SC | 1500mm      |
| 5053      | DES102500-SC | 2500mm      |
| 5054      | DES101500-PC | 1500mm      |
| 5055      | DES102500-PC | 2500mm      |





## Product List of Xi'an Friendship Medical Electronics Co., Ltd.

| Series  | Article No.       | Part No.  | Product Description   |
|---|-------------------|---|---|
| Disposable Sterile Corkscrew Needle Electrodes            | 1001              | NES-D1-1200/0.6   | Disposable Sterile Corkscrew Needle Electrodes, Single, Wire Length: 1.2m, 6 Colors, Needle Diameter: 0.6mm, Blue Hub   |
|   | 1003              | NES-D1-1500/0.6   | Disposable Sterile Corkscrew Needle Electrodes, Single, Wire Length: 1.5m, 6 Colors, Needle Diameter: 0.6mm, Blue Hub   |
|   | 1004              | NES-D1-2000/0.6   | Disposable Sterile Corkscrew Needle Electrodes, Single, Wire Length: 2.0m, 6 Colors, Needle Diameter: 0.6mm, Blue Hub   |
|   | 1005              | NES-D1-2500/0.6   | Disposable Sterile Corkscrew Needle Electrodes, Single, Wire Length: 2.5m, 6 Colors, Needle Diameter: 0.6mm, Blue Hub   |
|   | 1002              | NES-D2-1200/0.6   | Disposable Sterile Corkscrew Needle Electrodes, Twisted Pair, Wire Length: 1.2m, 12 Colors, Needle Diameter: 0.6mm, Blue Hub  |
|   | 1006              | NES-D2-1500/0.6   | Disposable Sterile Corkscrew Needle Electrodes, Twisted Pair, Wire Length: 1.5m, 12 Colors, Needle Diameter: 0.6mm, Blue Hub  |
|   | 1007              | NES-D2-2000/0.6   | Disposable Sterile Corkscrew Needle Electrodes, Twisted Pair, Wire Length: 2.0m, 12 Colors, Needle Diameter: 0.6mm, Blue Hub  |
|   | 1008              | NES-D2-2500/0.6   | Disposable Sterile Corkscrew Needle Electrodes, Twisted Pair, Wire Length: 2.5m, 12 Colors, Needle Diameter: 0.6mm, Blue Hub  |
| Disposable Sterile Subdermal Needle Electrodes (Single)   | 1010              | NE-S-1000/13/0.4  | Disposable Sterile Subdermal Needle Electrodes, Single, Wire Length: 1.0m, Needle Length: 13mm, Needle Diameter: 0.4mm, 6 colors  |
|   | 1011              | NE-S-1500/13/0.4  | Disposable Sterile Subdermal Needle Electrodes, Single, Wire Length: 1.5m, Needle Length: 13mm, Needle Diameter: 0.4mm, 6 colors  |
|   | 1012              | NE-S-2000/13/0.4  | Disposable Sterile Subdermal Needle Electrodes, Single, Wire Length: 2.0m, Needle Length: 13mm, Needle Diameter: 0.4mm, 6 colors  |
|   | 1013              | NE-S-2500/13/0.4  | Disposable Sterile Subdermal Needle Electrodes, Single, Wire Length: 2.5m, Needle Length: 13mm, Needle Diameter: 0.4mm, 6 colors  |
|   | 1040              | NE-S-1500/7/0.35  | Disposable Sterile Subdermal Needle Electrodes, Single, Wire Length: 1.5m, Needle Length: 7mm, Needle Diameter: 0.35mm, 6 colors  |
|   | 1041              | NE-S-1500/7/0.4   | Disposable Sterile Subdermal Needle Electrodes, Single, Wire Length: 1.5m, Needle Length: 7mm, Needle Diameter: 0.40mm, 6 colors  |
|   | 1042              | NE-S-1500/17/0.45   | Disposable Sterile Subdermal Needle Electrodes, Single, Wire Length: 1.5m, Needle Length: 17mm, Needle Diameter: 0.45mm, 6 colors   |
|   | 1043              | NE-S-1500/23/0.4  | Disposable Sterile Subdermal Needle Electrodes, Single, Wire Length: 1.5m, Needle Length: 23mm, Needle Diameter: 0.40mm, 6 colors   |
|   | 1050              | NE-SS-100/13/0.4  | Disposable Sterile Subdermal Needle Electrodes (Single) with Short Wire Length, Wire Length: 0.1m, Needle Length: 13mm, Needle Diameter: 0.4mm, White.  |
|   | 1051              | NE-SSB-100/13/0.4   | Disposable Sterile Subdermal Needle Electrodes (Single) with Short Wire Length, Bent in 36°, Wire Length: 0.1m, Needle Length: 13mm, Needle Diameter: 0.4mm, White.                             |
| Medical Extension Lead Wire                               | 1060              | EW1000-P1/P2  | Medical Extension Lead Wire for Disposable Sterile Subdermal Needle Electrodes, Wire Length: 1.0m, Color: P1 (Red/Orange/Yellow/Green/Blue/Purple), P2 (Black/White/Light Blue/Brown/Pink/Grey) |
|   | 1061              | EW1500-P1/P2  | Medical Extension Lead Wire for Disposable Sterile Subdermal Needle Electrodes, Wire Length: 1.5m, Color: P1 (Red/Orange/Yellow/Green/Blue/Purple), P2 (Black/White/Light Blue/Brown/Pink/Grey) |
|   | 1062              | EW2000-P1/P2  | Medical Extension Lead Wire for Disposable Sterile Subdermal Needle Electrodes, Wire Length: 2.0m, Color: P1 (Red/Orange/Yellow/Green/Blue/Purple), P2 (Black/White/Light Blue/Brown/Pink/Grey) |
|   | 1063              | EW2500-P1/P2  | Medical Extension Lead Wire for Disposable Sterile Subdermal Needle Electrodes, Wire Length: 2.5m, Color: P1 (Red/Orange/Yellow/Green/Blue/Purple), P2 (Black/White/Light Blue/Brown/Pink/Grey) |
| Disposable Sterile Subdermal Needle Electrodes (Twisted)  | 1020              | NE-T-1000/13/0.4  | Disposable Sterile Subdermal Needle Electrodes, Twisted Pair, Wire Length: 1.0m, Needle Length: 13mm, Needle Diameter: 0.4mm, 12 colors   |
|   | 1021              | NE-T-1500/13/0.4  | Disposable Sterile Subdermal Needle Electrodes, Twisted Pair, Wire Length: 1.5m, Needle Length: 13mm, Needle Diameter: 0.4mm, 12 colors   |
|   | 1022              | NE-T-2000/13/0.4  | Disposable Sterile Subdermal Needle Electrodes, Twisted Pair, Wire Length: 2.0m, Needle Length: 13mm, Needle Diameter: 0.4mm, 12 colors   |
|   | 1023              | NE-T-2500/13/0.4  | Disposable Sterile Subdermal Needle Electrodes, Twisted Pair, Wire Length: 2.5m, Needle Length: 13mm, Needle Diameter: 0.4mm, 12 colors   |
|   | 1024              | NE-T-1500/7/0.4   | Disposable Sterile Subdermal Needle Electrodes, Twisted Pair, Wire Length: 1.5m, Needle Length: 7mm, Needle Diameter: 0.4mm, 12 colors  |
|   | 1028              | NE-T-1500/19/0.4  | Disposable Sterile Subdermal Needle Electrodes, Twisted Pair, Wire Length: 1.5m, Needle Length: 19mm, Needle Diameter: 0.4mm, 12 colors   |
|   | 1034              | NE-T6-1500/13/0.4   | Disposable Sterile Subdermal Needle Electrodes, 6 Twisted Lead Wires, Wire Length: 1.5m, Needle Length: 13mm, Needle Diameter: 0.4mm, 6 colors  |
| Disposable Sterile Subdermal Needle Electrodes (Parallel) | 1029              | NE-P-1000/13/0.4  | Disposable Sterile Subdermal Needle Electrodes, 2 Parallel, Wire Length: 1.0m, Needle Length: 13mm, Needle Diameter: 0.40mm, 10 colors  |
|   | 1025              | NE-P-1500/13/0.4  | Disposable Sterile Subdermal Needle Electrodes, 2 Parallel, Wire Length: 1.5m, Needle Length: 13mm, Needle Diameter: 0.40mm, 10 colors  |
|   | 1026              | NE-P-2000/13/0.4  | Disposable Sterile Subdermal Needle Electrodes, 2 Parallel, Wire Length: 2.0m, Needle Length: 13mm, Needle Diameter: 0.40mm, 10 colors  |
|   | 1027              | NE-P-2500/13/0.4  | Disposable Sterile Subdermal Needle Electrodes, 2 Parallel, Wire Length: 2.5m, Needle Length: 13mm, Needle Diameter: 0.40mm, 10 colors  |
|   | 1045              | NE-P-1500/17/0.45   | Disposable Sterile Subdermal Needle Electrodes, 2 Parallel, Wire Length: 1.5m, Needle Length: 17mm, Needle Diameter: 0.45mm, 10 Colors  |
| 1031  | NE-P6-1500/13/0.4 | Disposable Sterile Subdermal Needle Electrodes, 6 Parallel Lead Wires, Wire Length: 1.5m, Needle Length: 13mm, Needle Diameter: 0.4mm, 6 colors |   |

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| Series                                      | Article No. | Part No.  | Product Description  |
|---|-------------|---|--|
| Disposable Sterile Botox Needle Electrodes  | 1120        | NEBN2530  | Disposable Sterile Botox Needle Electrodes, Needle Diameter: 0.30mm, Needle Length: 25mm, Orange   |
|   | 1121        | NEBN2535  | Disposable Sterile Botox Needle Electrodes, Needle Diameter: 0.35mm, Needle Length: 25mm, Green  |
|   | 1122        | NEBN3040  | Disposable Sterile Botox Needle Electrodes, Needle Diameter: 0.40mm, Needle Length: 30mm, Purple   |
|   | 1123        | NEBN3845  | Disposable Sterile Botox Needle Electrodes, Needle Diameter: 0.45mm, Needle Length: 38mm, Blue   |
|   | 1124        | NEBN5050  | Disposable Sterile Botox Needle Electrodes, Needle Diameter: 0.50mm, Needle Length: 50mm, Red  |
|   | 1125        | NEBN7565  | Disposable Sterile Botox Needle Electrodes, Needle Diameter: 0.65mm, Needle Length: 75mm, Yellow   |
| ENT Dual Disposable Needle Electrodes       | 1201        | NE-D1-1000/12/0.4   | ENT Dual Disposable Needle Electrodes, Wire Length: 1.0m, Needle Length: 12mm, Needle Diameter: 0.4mm  |
|   | 1202        | NE-D1-1500/12/0.4   | ENT Dual Disposable Needle Electrodes, Wire Length: 1.5m, Needle Length: 12mm, Needle Diameter: 0.4mm  |
|   | 1203        | NE-D1-2000/12/0.4   | ENT Dual Disposable Needle Electrodes, Wire Length: 2.0m, Needle Length: 12mm, Needle Diameter: 0.4mm  |
|   | 1204        | NE-D1-2500/12/0.4   | ENT Dual Disposable Needle Electrodes, Wire Length: 2.5m, Needle Length: 12mm, Needle Diameter: 0.4mm  |
| Disposable EMG Concentric Needle Electrodes | 1070        | NEC2530   | Disposable EMG Concentric Needle Electrodes, Needle Diameter: 0.30mm, Needle Length: 25mm, Orange  |
|   | 1071        | NEC2535   | Disposable EMG Concentric Needle Electrodes, Needle Diameter: 0.35mm, Needle Length: 25mm, Green   |
|   | 1072        | NEC3040   | Disposable EMG Concentric Needle Electrodes, Needle Diameter: 0.40mm, Needle Length: 30mm, Purple  |
|   | 1073        | NEC3845   | Disposable EMG Concentric Needle Electrodes, Needle Diameter: 0.45mm, Needle Length: 38mm, Blue  |
|   | 1074        | NEC5050   | Disposable EMG Concentric Needle Electrodes, Needle Diameter: 0.50mm, Needle Length: 50mm, Red   |
|   | 1075        | NEC7565   | Disposable EMG Concentric Needle Electrodes, Needle Diameter: 0.65mm, Needle Length: 75mm, Yellow  |
|   | 1080        | CCN1000   | Cable for Disposable EMG Concentric Needle Electrodes, Cable length: 1.0m, White   |
|   | 1081        | CCN1500   | Cable for Disposable EMG Concentric Needle Electrodes, Cable length: 1.5m, White   |
|   | 1082        | CCN2000   | Cable for Disposable EMG Concentric Needle Electrodes, Cable length: 2.0m, White   |
|   | 1083        | CCN2500   | Cable for Disposable EMG Concentric Needle Electrodes, Cable length: 2.5m, White   |
| 1084  | CCN3000     | Cable for Disposable EMG Concentric Needle Electrodes, Cable length: 3.0m, White            |  |
| Disposable EMG Monopolar Needle Electrodes  | 1090        | NEM2025   | Disposable EMG Monopolar Needle Electrodes, Needle Diameter: 0.25mm, Needle Length: 20mm, Orange   |
|   | 1091        | NEM2530   | Disposable EMG Monopolar Needle Electrodes, Needle Diameter: 0.30mm, Needle Length: 25mm, Green  |
|   | 1092        | NEM2535   | Disposable EMG Monopolar Needle Electrodes, Needle Diameter: 0.35mm, Needle Length: 25mm, Purple   |
|   | 1093        | NEM3040   | Disposable EMG Monopolar Needle Electrodes, Needle Diameter: 0.40mm, Needle Length: 30mm, Blue   |
|   | 1094        | NEM3845   | Disposable EMG Monopolar Needle Electrodes, Needle Diameter: 0.45mm, Needle Length: 38mm, Red  |
|   | 1095        | NEM5050   | Disposable EMG Monopolar Needle Electrodes, Needle Diameter: 0.50mm, Needle Length: 50mm, Yellow   |
|   | 1096        | NEM7565   | Disposable EMG Monopolar Needle Electrodes, Needle Diameter: 0.65mm, Needle Length: 75mm, Black  |
|   | 1103        | CMN1000   | Cable for Disposable EMG Monopolar Needle Electrodes, Cable length: 1.0m, Color: Black, Red  |
|   | 1100        | CMN1500   | Cable for Disposable EMG Monopolar Needle Electrodes, Cable length: 1.5m, Color: Black, Red  |
|   | 1101        | CMN2000   | Cable for Disposable EMG Monopolar Needle Electrodes, Cable length: 2.0m, Color: Black, Red  |
| 1102  | CMN2500     | Cable for Disposable EMG Monopolar Needle Electrodes, Cable length: 2.5m, Color: Black, Red |  |
| 1104  | CMN3000     | Cable for Disposable EMG Monopolar Needle Electrodes, Cable length: 3.0m, Color: Black, Red |  |
| Disposable EMG Sensory Needle               | 1110        | SN1535  | Disposable EMG Sensory Needle, Insulated, Designed for Recording Leading Off Potentials from Sensory Nerves, Needle Diameter: 0.35mm, Needle Length: 15mm. Use with Shielded Electrode Cables. |
|   | 1111        | SN2040  | Disposable EMG Sensory Needle, Insulated, Designed for Recording Leading Off Potentials from Sensory Nerves, Needle Diameter: 0.40mm, Needle Length: 20mm. Use with Shielded Electrode Cables. |
|   | 1112        | SN3040  | Disposable EMG Sensory Needle, Insulated, Designed for Recording Leading Off Potentials from Sensory Nerves, Needle Diameter: 0.40mm, Needle Length: 30mm. Use with Shielded Electrode Cables. |



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| Series                        | Article No.    | Part No.   | Product Description  |
|-------------------------------|----------------|--|--|
| Disposable EMG Sensory Needle | 1113           | SN1565   | Disposable EMG Sensory Needle, Insulated, Designed for Recording Leading Off Potentials from Sensory Nerves, Needle Diameter: 0.65mm, Needle Length: 15mm. Use with Shielded Electrode Cables. |
|                               | 1114           | SN3065   | Disposable EMG Sensory Needle, Insulated, Designed for Recording Leading Off Potentials from Sensory Nerves, Needle Diameter: 0.65mm, Needle Length: 30mm. Use with Shielded Electrode Cables. |
|                               | 1115           | SN5065   | Disposable EMG Sensory Needle, Insulated, Designed for Recording Leading Off Potentials from Sensory Nerves, Needle Diameter: 0.65mm, Needle Length: 50mm. Use with Shielded Electrode Cables. |
| Disposable Surface Electrodes | 2001           | SEAg-S-2000/35×50  | Disposable Surface Electrodes (Pre-gelled Ag/AgCl, Ground), Wire Length: 2.0m, Size: 35mmx50mm, Green  |
|                               | 2010           | SEAg-S-2500/35×50  | Disposable Surface Electrodes (Pre-gelled Ag/AgCl, Ground), Wire Length: 2.5m, Size: 35mmx50mm, Green  |
|                               | 2002           | SEAg-S-1500/15×20  | Disposable Surface Electrodes (Pre-gelled Ag/AgCl, Single), Wire Length: 1.5m, Size: 15mmx20mm, 4 Colors   |
|                               | 2003           | SEAg-S-2500/15×20  | Disposable Surface Electrodes (Pre-gelled Ag/AgCl, Single), Wire Length: 2.5m, Size: 15mmx20mm, 4 Colors   |
|                               | 2004           | SEAg-S-1500/20×27  | Disposable Surface Electrodes (Pre-gelled Ag/AgCl, Single), Wire Length: 1.5m, Size: 20mmx27mm, 4 Colors   |
|                               | 2005           | SEAg-S-2500/20×27  | Disposable Surface Electrodes (Pre-gelled Ag/AgCl, Single), Wire Length: 2.5m, Size: 20mmx27mm, 4 Colors   |
|                               | 2020           | SEAg-S-1000/20   | Disposable Surface Electrodes (Pre-gelled Ag/AgCl, Round, Single), Wire Length: 1.0m, Pad Diameter: 20mm, 4 Colors   |
|                               | 2021           | SEAg-S-1500/20   | Disposable Surface Electrodes (Pre-gelled Ag/AgCl, Round, Single), Wire Length: 1.5m, Pad Diameter: 20mm, 4 Colors   |
|                               | 2022           | SEAg-S-100/15×20   | Disposable Surface Electrodes (Pre-gelled Ag/AgCl, Single), Wire Length: 10cm, Size: 15mmx20mm, Color: White   |
|                               | 2023           | SEAg-S-0.7/100/15×20   | Disposable Surface Electrodes (Pre-gelled Ag/AgCl, Single), Wire Length: 10cm, Size: 15mmx20mm, 0.7mm Male Connector, Color: White   |
|                               | 2006           | SEAg-T-1500/15×20  | Disposable Surface Electrodes (Pre-gelled Ag/AgCl, Twisted Pair), Wire Length: 1.5m, Size: 15mmx20mm, 4 Colors   |
|                               | 2007           | SEAg-T-2500/15×20  | Disposable Surface Electrodes (Pre-gelled Ag/AgCl, Twisted Pair), Wire Length: 2.5m, Size: 15mmx20mm, 4 Colors   |
|                               | 2008           | SEAg-T-1500/20×27  | Disposable Surface Electrodes (Pre-gelled Ag/AgCl, Twisted Pair), Wire Length: 1.5m, Size: 20mmx27mm, 4 Colors   |
|                               | 2009           | SEAg-T-2500/20×27  | Disposable Surface Electrodes (Pre-gelled Ag/AgCl, Twisted Pair), Wire Length: 2.5m, Size: 20mmx27mm, 4 Colors   |
|                               | 2011           | SEAg-P-1500/15×20  | Disposable Surface Electrodes (Pre-gelled Ag/AgCl, Parallel), Wire Length: 1.5m, Size: 15mmx20mm, 4 Colors   |
|                               | 2012           | SEAg-P-2500/15×20  | Disposable Surface Electrodes (Pre-gelled Ag/AgCl, Parallel), Wire Length: 2.5m, Size: 15mmx20mm, 4 Colors   |
|                               | 2013           | SEAg-P-1500/20×27  | Disposable Surface Electrodes (Pre-gelled Ag/AgCl, Parallel), Wire Length: 1.5m, Size: 20mmx27mm, 4 Colors   |
|                               | 2014           | SEAg-P-2500/20×27  | Disposable Surface Electrodes (Pre-gelled Ag/AgCl, Parallel), Wire Length: 2.5m, Size: 20mmx27mm, 4 Colors   |
|                               | 2024           | SEAg-C-1.5/800/22×30   | Disposable Surface Electrodes (Central, Ag/AgCl), Size: 22x30mm, Single, Wire Length: 0.8m, 4 Colors   |
|                               | 2025           | SEAg-C-0.7/100/22×30   | Disposable Surface Electrodes (Central, Ag/AgCl), Size: 22x30mm, Single, Wire Length: 10cm, 0.7mm Male Connector, Color: White   |
|                               | 2026           | SEAg-C-0.7/100/14×24   | Disposable Surface Electrodes (Central, Ag/AgCl), Size: 14x24mm, Single, Wire Length: 0.1m, 0.7mm Male Connector, Color: White   |
|                               | 2027           | SEC-5P/2×0.7/1000  | Shielded Electrode Cable for 2023, 2025, 2026, 1110, 1111, 1112, 1113, 1114, 1115, 2×0.7mm Female TP, Wire Length: 1.0m, Color: Red/Black  |
|                               | 2035           | SEC-5P/2×0.7/1500  | Shielded Electrode Cable for 2023, 2025, 2026, 1110, 1111, 1112, 1113, 1114, 1115, 2×0.7mm Female TP, Wire Length: 1.5m, Color: Red/Black  |
|                               | 2028           | SEC-5P/2×0.7/2000  | Shielded Electrode Cable for 2023, 2025, 2026, 1110, 1111, 1112, 1113, 1114, 1115, 2×0.7mm Female TP, Wire Length: 2.0m, Color: Red/Black  |
|                               | 2036           | SEC-5P/2×0.7/2500  | Shielded Electrode Cable for 2023, 2025, 2026, 1110, 1111, 1112, 1113, 1114, 1115, 2×0.7mm Female TP, Wire Length: 2.5m, Color: Red/Black  |
|                               | 2029           | SEC-5P/3×0.7/1000  | Shielded Electrode Cable for 2023, 2025, 2026, 1110, 1111, 1112, 1113, 1114, 1115, 3×0.7mm Female TP, Wire Length: 1.0m, Color: Red/Black/Green  |
|                               | 2037           | SEC-5P/3×0.7/1500  | Shielded Electrode Cable for 2023, 2025, 2026, 1110, 1111, 1112, 1113, 1114, 1115, 3×0.7mm Female TP, Wire Length: 1.5m, Color: Red/Black/Green  |
|                               | 2030           | SEC-5P/3×0.7/2000  | Shielded Electrode Cable for 2023, 2025, 2026, 1110, 1111, 1112, 1113, 1114, 1115, 3×0.7mm Female TP, Wire Length: 2.0m, Color: Red/Black/Green  |
|                               | 2038           | SEC-5P/3×0.7/2500  | Shielded Electrode Cable for 2023, 2025, 2026, 1110, 1111, 1112, 1113, 1114, 1115, 3×0.7mm Female TP, Wire Length: 2.5m, Color: Red/Black/Green  |
|                               | 2031           | SEAg-J-22×32   | Disposable Surface Electrodes (Central, Ag/AgCl), Without Lead Wire, Use with Mini-Crocodile Clips, Size: 22x32mm  |
|                               | 2039           | CCS1000  | Crocodile Clip Cable for 2031, Wire Length: 1.0m, Color: Red, Green, Black   |
|                               | 2032           | CCS1500  | Crocodile Clip Cable for 2031, Wire Length: 1.5m, Color: Red, Green, Black   |
|                               | 2040           | CCS2000  | Crocodile Clip Cable for 2031, Wire Length: 2.0m, Color: Red, Green, Black   |
|                               | 2041           | CCS2500  | Crocodile Clip Cable for 2031, Wire Length: 2.5m, Color: Red, Green, Black   |
|                               | 2033           | SEC-5P/3C/1000   | Shielded Crocodile Clip Cable for 2031, Wire Length: 1.0m, 3 Color-coded Clips, Color: Red/Black/Green   |
|                               | 2042           | SEC-5P/3C/1500   | Shielded Crocodile Clip Cable for 2031, Wire Length: 1.5m, 3 Color-coded Clips, Color: Red/Black/Green   |
| 2034                          | SEC-5P/3C/2000 | Shielded Crocodile Clip Cable for 2031, Wire Length: 2.0m, 3 Color-coded Clips, Color: Red/Black/Green |  |
| 2043                          | SEC-5P/3C/2500 | Shielded Crocodile Clip Cable for 2031, Wire Length: 2.5m, 3 Color-coded Clips, Color: Red/Black/Green |  |

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| Series                           | Article No.  | Part No.   | Product Description   |
|----------------------------------|--------------|--|---|
| Disposable Nerve Locating Probes | 3001         | PNM0.8/90  | Disposable Monopolar Direct Nerve Stimulator Probe, Probe Shaft Effective Length: 80-120mm, Tip Diameter: 0.8mm, Wire Length: 2.0m                      |
|                                  | 3015         | PNM1.0/275   | Disposable Monopolar Direct Nerve Stimulator Probe, Probe Shaft Effective Length: 275mm, Tip Diameter: 1.0mm, Wire Length: 2.0m                         |
|                                  | 3016         | PNM1.0/294   | Disposable Monopolar Direct Nerve Stimulator Probe, Probe Shaft Effective Length: 295mm, Tip Diameter: 1.0mm, Wire Length: 2.0m                         |
|                                  | 3002         | PNB0.8×2/90  | Disposable Bipolar Direct Nerve Stimulator Probe, Probe Shaft Effective Length: 80-120mm, Tip Diameter: 0.8mm, Wire Length: 2.0m                        |
|                                  | 3017         | PNBB0.8×2/90   | Disposable Bipolar Bent Nerve Stimulator Probe, Probe Shaft Effective Length: 80-120mm, Tip Diameter: 0.8mm, Wire Length: 2.0m                          |
|                                  | 3003         | PNT0.8/90  | Disposable Flush Tip Direct Nerve Stimulator Probe, Probe Shaft Effective Length: 80-150mm, Tip Diameter: 0.8mm, Wire Length: 2.0m                      |
|                                  | 3004         | PNG2.3/90  | Disposable Ball Tip Direct Nerve Stimulator Probe, Probe Shaft Effective Length: 80-150mm, Tip Diameter: 2.3mm, Wire Length: 2.0m                       |
|                                  | 3005         | PNG2.3/160   | Disposable Ball Tip Direct Nerve Stimulator Probe, Probe Shaft Effective Length: 150-220mm, Tip Diameter: 2.3mm, Wire Length: 2.0m                      |
|                                  | 3018         | PNHG2.3/160  | Disposable Ball Tip Direct Nerve Stimulator Probe, Probe Shaft Effective Length: 150-220mm, Tip Diameter: 2.3mm, Wire Length: 0.1m                      |
|                                  | 3006         | PNGB2.3/200  | Disposable Bent Ball Tip Stimulator Probe, Probe Shaft Effective Length: 175-200mm, Tip Diameter: 2.3mm, Wire Length: 2.0m                              |
|                                  | 3007         | PNC1.3/90  | Disposable Concentric Direct Nerve Stimulator Probe, Probe Shaft Effective Length: 80-120mm, Tip Diameter: 1.3mm, Wire Length: 2.0m                     |
|                                  | 3008         | PNCB1.3/90   | Disposable Bent Concentric Nerve Stimulator Probe, Probe Shaft Effective Length: 80-120mm, Tip Diameter: 1.3mm, Wire Length: 2.0m, Bent Tip Length: 6mm |
|                                  | 3009         | PNH1.2/80×2×100°   | Disposable Double Hook Nerve Stimulator Probes, Probe Shaft Effective Length: 70-120mm, Probe Diameter: 1.2mm, Hook Degree: 100°, Wire Length: 2.0m     |
|                                  | 3010         | PNH1.2/80×2×180°   | Disposable Double Hook Nerve Stimulator Probes, Probe Shaft Effective Length: 70-120mm, Probe Diameter: 1.2mm, Hook Degree: 180°, Wire Length: 2.0m     |
|                                  | 3013         | PNH1.2/80×3×100°   | Disposable Triple Hook Nerve Stimulator Probes, Probe Shaft Effective Length: 70-120mm, Probe Diameter: 1.2mm, Hook Degree: 100°, Wire Length: 2.0m     |
|                                  | 3014         | PNH1.2/80×3×180°   | Disposable Triple Hook Nerve Stimulator Probes, Probe Shaft Effective Length: 70-120mm, Probe Diameter: 1.2mm, Hook Degree: 180°, Wire Length: 2.0m     |
|                                  | 3011         | PNH1.2/80×2×90°  | Disposable Right Angle Double Hook Probes, Probe Shaft Effective Length: 70-120mm, Probe Diameter: 1.2mm, Hook Degree: 90°, Wire Length: 2.0m           |
|                                  | 3012         | PNHG2.0/80×2   | Disposable Double Ball Tip Direct Nerve Stimulator Probes, Probe Shaft Effective Length: 70-120mm, Ball Diameter: 2.0mm, Wire Length: 2.0m              |
|                                  | 3019         | PNN 0.4/13   | Disposable Needle Stimulator Probes, Needle Length: 13mm, Needle Diameter: 0.4mm  |
|                                  | 3020         | PNN 0.3/13   | Disposable Needle Stimulator Probes, Needle Length: 13mm, Needle Diameter: 0.3mm  |
|                                  | 3021         | PNN0.25/13   | Disposable Needle Stimulator Probes, Needle Length: 13mm, Needle Diameter: 0.25mm   |
| Medical EEG Cup Electrodes       | 5032         | DEG101500-SC   | Medical EEG Gold Cup Electrodes, Electrode Diameter: 10mm, Wire Length: 1.5m, 10 Colors, Silicon Wire   |
|                                  | 5033         | DEG102500-SC   | Medical EEG Gold Cup Electrodes, Electrode Diameter: 10mm, Wire Length: 2.5m, 10 Colors, Silicon Wire   |
|                                  | 5034         | DEG101500-PC   | Medical EEG Gold Cup Electrodes, Electrode Diameter: 10mm, Wire Length: 1.5m, 10 Colors, PVC Wire   |
|                                  | 5035         | DEG102500-PC   | Medical EEG Gold Cup Electrodes, Electrode Diameter: 10mm, Wire Length: 2.5m, 10 Colors, PVC Wire   |
|                                  | 5030         | DEG101500-TF   | Medical EEG Gold Cup Electrodes, Electrode Diameter: 10mm, Wire Length: 1.5m, 10 Colors, Teflon Wire  |
|                                  | 5031         | DEG102500-TF   | Medical EEG Gold Cup Electrodes, Electrode Diameter: 10mm, Wire Length: 2.5m, 10 Colors, Teflon Wire  |
|                                  | 5042         | DECL101500-SC  | Medical EEG Ag/AgCl Cup Electrodes, Electrode Diameter: 10mm, Wire Length: 1.5m, 10 Colors, Silicon Wire  |
|                                  | 5043         | DECL102500-SC  | Medical EEG Ag/AgCl Cup Electrodes, Electrode Diameter: 10mm, Wire Length: 2.5m, 10 Colors, Silicon Wire  |
|                                  | 5044         | DECL101500-PC  | Medical EEG Ag/AgCl Cup Electrodes, Electrode Diameter: 10mm, Wire Length: 1.5m, 10 Colors, PVC Wire  |
|                                  | 5045         | DECL102500-PC  | Medical EEG Ag/AgCl Cup Electrodes, Electrode Diameter: 10mm, Wire Length: 2.5m, 10 Colors, PVC Wire  |
|                                  | 5040         | DECL101500-TF  | Medical EEG Ag/AgCl Cup Electrodes, Electrode Diameter: 10mm, Wire Length: 1.5m, 10 Colors, Teflon Wire   |
|                                  | 5041         | DECL102500-TF  | Medical EEG Ag/AgCl Cup Electrodes, Electrode Diameter: 10mm, Wire Length: 2.5m, 10 Colors, Teflon Wire   |
|                                  | 5052         | DES101500-SC   | Medical EEG Silver Cup Electrodes, Electrode Diameter: 10mm, Wire Length: 1.5m, 10 Colors, Silicon Wire   |
|                                  | 5053         | DES102500-SC   | Medical EEG Silver Cup Electrodes, Electrode Diameter: 10mm, Wire Length: 2.5m, 10 Colors, Silicon Wire   |
|                                  | 5054         | DES101500-PC   | Medical EEG Silver Cup Electrodes, Electrode Diameter: 10mm, Wire Length: 1.5m, 10 Colors, PVC Wire   |
| 5055                             | DES102500-PC | Medical EEG Silver Cup Electrodes, Electrode Diameter: 10mm, Wire Length: 2.5m, 10 Colors, PVC Wire    |   |
| 5050                             | DES101500-TF | Medical EEG Silver Cup Electrodes, Electrode Diameter: 10mm, Wire Length: 1.5m, 10 Colors, Teflon Wire |   |
| 5051                             | DES102500-TF | Medical EEG Silver Cup Electrodes, Electrode Diameter: 10mm, Wire Length: 2.5m, 10 Colors, Teflon Wire |   |
| Digital Ring Electrode           | 4001         | DRE3000  | Disposable Digital Ring Electrodes, Wire Length: 3.0m   |
| Din Jack                         | 6001         | DJ-1.5   | Medical Din Jack, Pin Diameter: 1.5mm, Gold-Plated, 4 Colors  |