# WE HAVE BETTER SOLUTIONS

For biopotential measurement in advanced research & EEG Diagnostics

BESDATA

BESDATA TECHNOLOGY CO.,LTD

# EEG Electrodes

## TYPE DESIGNATION

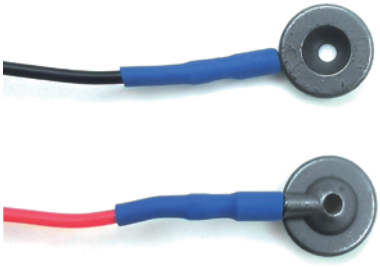
E - XX - XX - XX

| EEG Electrode | Cup Material | Cup Diameter | Cable Length |
|---|---|---|---|
| | 01: sintered Ag/AgCl | 008: 8mm | 10: 100cm |
| | 02: Gold Coated | 10: 10mm | 15: 150cm |
| | 03: Pure Silver | 06: 6mm | 20: 200cm |
| | 04: AgCl Coated | | 25: 250cm |
| | | | 30: 300cm |

## Disposable Silver/Silver Chloride EEG Electrodes, Standard Cup

- 10mm Cup Electrodes
- Slim cup
- Silver/ Silver Chloride (Ag/AgCl) coating, ABS based
- 5 Colors: red, green, white, yellow, blue
- 10/Pack

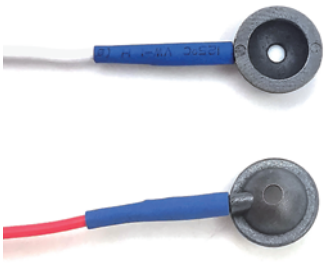
| Order Number | Cable Length |
|---|---|
| ED041010S | 1.0m |
| ED041015S | 1.5m |
| ED041020S | 2.0m |
| ED041025S | 2.5m |
| ED041030S | 3.0m |



## Disposable Silver/Silver Chloride EEG Electrodes, Deep Cup

- 10mm cup electrodes
- Deep cup with 2.6mm cup height
- Silver/ Silver Chloride (Ag/AgCl) coating, ABS based
- 5 Colors: red, green, white, yellow, blue
- 10/Pack

| Order Number | Cable Length |
|---|---|
| ED041010D | 1.0m |
| ED041015D | 1.5m |
| ED041020D | 2.0m |
| ED041025D | 2.5m |
| ED041030D | 3.0m |



## Disposable Gold Cup Electrodes

- PVC wire
- 10/Pack

| Order Number | Cable Length |
|---|---|
| ED021010 | 1.0m |
| ED021015 | 1.5m |
| ED021020 | 2.0m |
| ED021025 | 2.5m |
| ED021030 | 3.0m |



## Reusable Gold Cup Electrodes

- 10mm cup
- 10 Per pack
- 10 Color
- TPU cable with Tensile wire

| Order Number | Cable Length |
|---|---|
| E031010 | 1.0m |
| E031015 | 1.5m |
| E031020 | 2.0m |
| E031025 | 2.5m |
| E031030 | 3.0m |



## Reusable Pediatric Cup Electrodes

- 6mm cup
- 10 per pack
- 10 color
- TPU cable with Tensile wire

| Order Number | Cable Length |
|---|---|
| E020610 | 1.0m |
| E020615 | 1.5m |
| E020620 | 2.0m |
| E020625 | 2.5m |
| E020630 | 3.0m |



## Pure Silver Stamped Cup Electrodes

- 10 Per pack
- 10 Color
- TPU cable with Tensile wire

| Order Number | Cable Length |
|---|---|
| E031010 | 1.0m |
| E031015 | 1.5m |
| E031020 | 2.0m |
| E031025 | 2.5m |
| E031030 | 3.0m |



## Silver/Silver Chloride (Ag/ AgCl) Stamped Cup Electrodes

- 10 Per pack
- 10 Color
- TPU cable with Tensile wire

| Order Number | Cable Length |
|---|---|
| E041010 | 1.0m |
| E041015 | 1.5m |
| E041020 | 2.0m |
| E041025 | 2.5m |
| E041030 | 3.0m |



## Pure Silver Casted Cup Electrodes

- 10 Per pack
- 10 Color
- TPU cable with Tensile wire

| Order Number | Cable Length |
|---|---|
| E031010C | 1.0m |
| E031015C | 1.5m |
| E031020C | 2.0m |
| E031025C | 2.5m |
| E031030C | 3.0m |



## Silver/Silver Chloride (Ag/ AgCl) Casted Cup Electrodes

- 10 Per pack
- 10 Color
- TPU cable with Tensile wire

| Order Number | Cable Length |
|---|---|
| E041010C | 1.0m |
| E041015C | 1.5m |
| E041020C | 2.0m |
| E041025C | 2.5m |
| E041030C | 3.0m |



## Alligator Clip Cable

| Order Number | Cable Length |
|---|---|
| E071010 | 1.0m |
| E071015 | 1.5m |
| E071020 | 2.0m |
| E071025 | 2.5m |
| E071030 | 3.0m |

Clip type:



Type A



Type B

## Reusable Snap Leads

- 10 Per pack
- 7 Color
- TPU cable

| Order Number | Cable Length |
|---|---|
| E081010 | 1.0m |
| E081015 | 1.5m |
| E081020 | 2.0m |
| E081025 | 2.5m |
| E081030 | 3.0m |



## Ear Clip Cable

| Order Number | Cable Length | Ear Clip Type |
|---|---|---|
| E061015 | 1.5m | Type A |
| E062015 | 1.5m | Type B |

Clip type:



Type A



Type B

## Subdermal Electrodes

### Subdermal Needle Electrodes

| Order Number | Needle Length | Lead Wire Length | Connector Type | Quantity |
|---|---|---|---|---|
| E09010001 | 10mm | 1500mm |  ϕ1.5mm | 1 |

### Twisted Subdermal Needle Electrodes

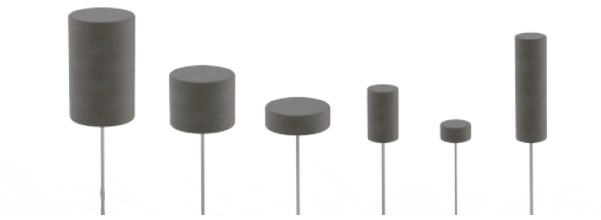
| Order Number | Needle Length | Lead Wire Length | Connector Type | Quantity |
|---|---|---|---|---|
| E09010002 | 10mm | 1500mm |  ϕ1.5mm | 1 |





# Sintered Reusable Electrodes

Homogeneous mixture of silver and silver chloride compressed and sintered to strenthen and stabilize.



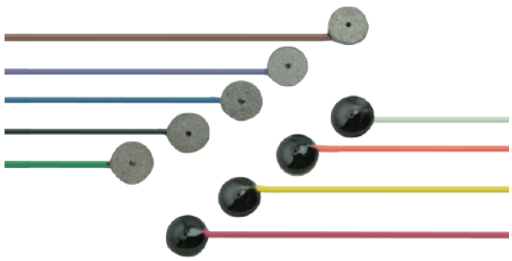
## SPECIFICATION

- Composition: Ag/AgCl (silver chloride)
- DC offset: < 150μV
- Drift:<25μV/h
- Electrode impedance: ⩽25Ω・cm2 (10Hz)
  Noise: Max ⩽1μV (1Hz)

Remarks:Testing in 0.9% NaCl solution, After stable

## FEATURE

- Essentially non-polarizable
- Less noise (from low frequencies)
- Never need chlorinating
- Reusable-Resurfaceable,No problem of surface abrasion
- Less DC offset and less polarization and contribution to DC drift than many other types of EEG electrode



# Reusable Sintered Silver/Silver Chloride Cup Electrodes

- 5 Per pack
- 5 Color
- TPU cable with Tensile wire

| Order Number | Cable Length |
|---|---|
| E011110P | 1.0m |
| E011115P | 1.5m |
| E011120P | 2.0m |
| E011125P | 2.5m |
| E011130P | 3.0m |



# Pellet & Disc Sintered AgCl Electrodes

| Order Number | OD | Hole Size |
|---|---|---|
| DES12 | 12mm | 5.5mm |
| DES10 | 10mm | / |
| DES85 | 8.5mm | 2.8mm |
| DES04 | 4mm | / |
| DES02 | 2mm | / |

The electrodes could come with leadwire OR only disc with silver wire,  Customized size are available.



DES12 with leadwire



DES10 with leadwire



DES85 with leadwire



DES4 with leadwire



DES4 with silver wire



DES4 with silver wire

# Gel & Paste

## Conductive Paste

- Stable electrode attachment.
- Designed to stick the electrodes on the skin.
- Easy clean up, Water soluble, non-staining, non-sticky.
- A highly conductive paste that provides a stable electrode attachment.
- Available in 2 size: 114g/228g

## Conductive Gel

- Easy clean up .
- Fast reduce Impedance.
- Applied with EEG Caps.
- A highly conductive gel,provides stable and high quality eeg signal recording.
- Available in 2 sizes: 500g / 1000g "




| Product Name | Order Number | Volume | Quantity |
|---|---|---|---|
| skin prepare gel | BD-P1 | 4oz/124g Not available | 1 |
| | BD-P2 | 500g | 1 |
| conductive gel | BD-G1 | 500g | 1 |
| | BD-G2 | 1000g | 1 |
| conductive paste | BD-4 | 114g | 1 |
| | BD-8 | 228g | 1 |

# EEG Caps

## FEATURES

- High quality EEG electrode materials: Ag/AgCl coated electrodes for diagnostic use or sintered Ag/AgCl electrodes for advanced research.
- International standard 10-20 electrode placement system.
- 20 channels as standard, with up to 128 channels to customized.
- Ensure fast, comfortable and precise EEG measurement.
- Well-tailored elastic cap.
- 7 different sizes come in seven color, from Neonate to adult.



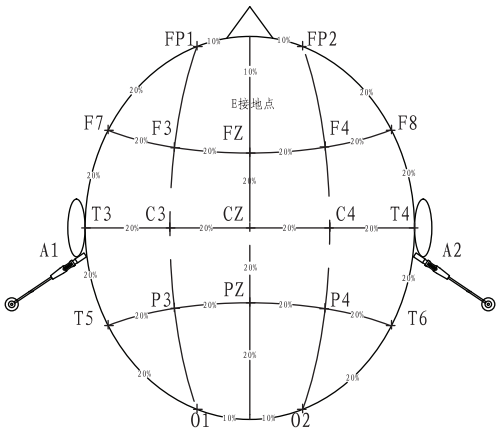
## MATERIALS

Electrodes available in alternative materials: AgAgCl/ Sintered AgAgCl /Pure Silver/ Gold Coated

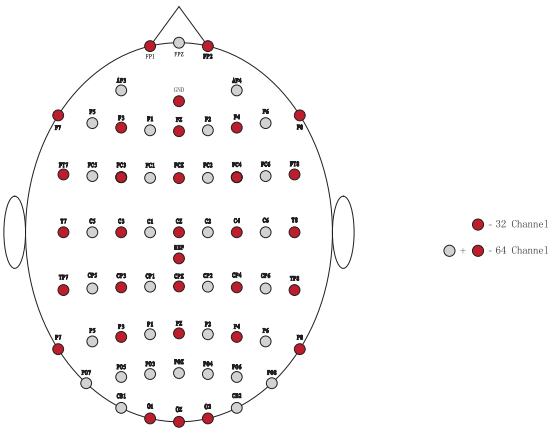
## SYSTEMS

- International standard 10-20 electrode placement system
- Custom size and position available

20 electrodes scheme




64+32channel



## DESIGNATION

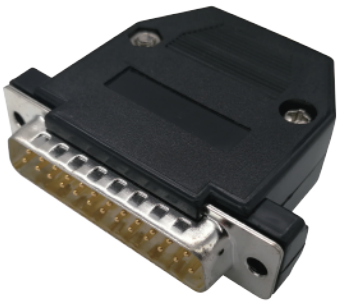
# N - 01 - 020 - 001 - S

| EEG Cap | Electrodes Sensor Material | Electrodes Number | Cap Size | Sleep Type |
|---|---|---|---|---|
| | 01: Sintered Ag/AgCl | 020/ 20channel | 001/size 1 | |
| | 02: AgCl Coated | 032/ 32channel | 002/size 2 | |
| | 03: pure silver | 064/64channel | 003/size 3 | |
| | 04: gold coated | ····· | ··· | |

## CONNECTORS

Besdata ® offer main EEG Caps with direct connector to different EEG instruments, no need adapter cable.

We are flexible to make connector according to customers' requirement. If the EEG system you need is not in the list, contact us.



25PIN DB25



HPDB50



JUMPER WIRE




DIN 42802
CONNECTOR

# EEG Caps for Clinical Application

- Besdata EEG Electrode Cap is made of an elastic comfortable fabric with soft silicon electrode gel holder and economic electrodes attached to the fabric.
- Economic electrodes available in alternative materials: AgAgCl/Sintered AgAgCl/Gold / Pure Silver
- Compatible with any other EEG equipment through adapter cables

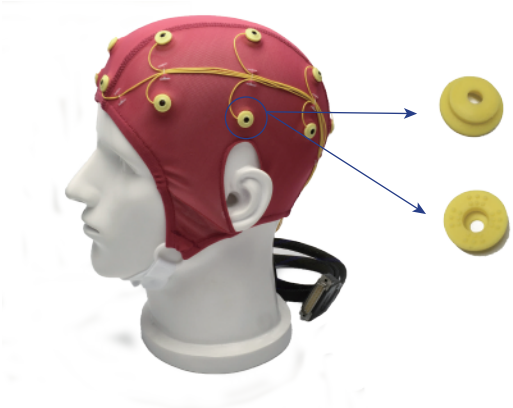




| Order Number | Channel | Size | Color | Sensor Material | Quantity |
|---|---|---|---|---|---|
| N01020001 | 20 | "L" 58---62cm | ● | Sintered Ag/AgCl | 1 |
| N01020002 | 20 | "M" 54--58cm | ● | Sintered Ag/AgCl | 1 |
| N01020003 | 20 | "S" 50--54cm | ● | Sintered Ag/AgCl | 1 |
| N01020004 | 20 | "XS" 46-50cm | ● | Sintered Ag/AgCl | 1 |
| N01020005 | 20 | "infant cap Ⅰ" 42--46cm | ● | Sintered Ag/AgCl | 1 |
| N01010006 | 10 | "infant cap Ⅱ" 38--42cm | ○ | Sintered Ag/AgCl | 1 |
| N01010007 | 10 | "infant cap Ⅲ" 34--38cm | ○ | Sintered Ag/AgCl | 1 |

# EEG Cap For Long Term Sleeping Monitoring

- Electrodes available in alternative materials: AgAgCl/ sintered AgAgCl /Gold /Pure Silver
- Besdata sleep eeg caps embedded with a soft, skin-compatibel silicon holder which is very flat between the electrode and the scalp. Hence the sleeping eeg caps are excellent for long term EEG monitoring as well as standard EEG/ERP investigations.
- Compatible with any other EEG equipment through our adapter cables



| Order Number | Channel | Size | Color | Sensor Material | Quantity |
|---|---|---|---|---|---|
| N01020001S | 20 | "L" 58---62cm | ● | Sintered Ag/AgCl | 1 |
| N01020002S | 20 | "M" 54--58cm | ● | Sintered Ag/AgCl | 1 |
| N01020003S | 20 | "S" 50--54cm | ● | Sintered Ag/AgCl | 1 |
| N01020004S | 20 | "XS" 46-50cm | ● | Sintered Ag/AgCl | 1 |
| N01020005S | 20 | "infant cap Ⅰ" 42--46cm | ● | Sintered Ag/AgCl | 1 |
| N01010006S | 10 | "infant cap Ⅱ" 38--42cm | ○ | Sintered Ag/AgCl | 1 |
| N01010007S | 10 | "infant cap Ⅲ" 34--38cm | ○ | Sintered Ag/AgCl | 1 |

## High Density EEG Caps for Researchers

- Electrodes available in alternative materials: AgAgCl/ sintered AgAgCl /Gold /Pure Silver
- 32 and 64 channel as standard, with 128 channel custom channels to order
- Neuroscan Compatible EEG Caps is fully compatible with all of the Neuroscan amplifiers
- Compatible with any other EEG equipment through our adapter cables



| Order Number | Channel | Size | | Color | Sensor Material | Quantity |
|---|---|---|---|---|---|---|
| N01032001 | 32 | "L" | 58--62cm | ●● | Sintered Ag/AgCl | 1 |
| N01032002 | 32 | "M" | 54--58cm | ●● | Sintered Ag/AgCl | 1 |
| N01032003 | 32 | "S" | 50--54cm | ●● | Sintered Ag/AgCl | 1 |
| N01064001 | 64 | "L" | 58--62cm | ●● | Sintered Ag/AgCl | 1 |
| N01064002 | 64 | "M" | 54--58cm | ●● | Sintered Ag/AgCl | 1 |
| N01064003 | 64 | "S" | 50--54cm | ●● | Sintered Ag/AgCl | 1 |

## Accessories for Prewired Head Caps

| ACCESSORIES FOR PREWIRED HEADCAPS | Order Number |
|---|---|
| 1 Chin strap adult | A2000.001 |
| 1 Chin strap pediatric | A2000.002 |
| 1 Empty eeg caps with hole | A3000.001 |
| 1 Empty eeg caps without hole | A3000.002 |
| 1 No sterile syringe 30 ml | A2001.001 |
| 1 Blunted needle | A2002.001 |









**BESDATA TECHNOLOGY CO.,LTD**

Add:2 / F, Building C, Hongyi Industrial Park,
No.4010 Banxuegang Road, Shenzhen, 518129,China
Tel: + 86-755-84416070 Fax: +86-755-23039200
support@besdatatech.com www.besdatatech.com