

Noninvasive EEG Electrodes and Caps

Instruction for use

1. Product name: Noninvasive EEG electrodes
2. Model: CX, SX, CM, SM
C: Coated AgCl
S: Sintered Ag/AgCl
X: Electrodes
M: Caps
3. Application: Connect with EEG system or EEG diagnosis device, receive and transmit signal from brain, to do clinical disease diagnosis or research.
4. Properties and structure:
Main structure: Mainly consist of electrode, lead wire, connector.

Performance index	Model B (Coated AgCl)	Model C (Ag/AgCl sintered)
Ac impedance, 10Hz	$\leq 2.5 \text{ k}\Omega \cdot \text{cm}^2$	$\leq 0.15 \text{ k}\Omega \cdot \text{cm}^2$
Dc offset voltage	$\leq 30\text{mV}$	$\leq 2\text{mV}$
Potential drift	$\leq \pm 5 \text{ mV}/10\text{min}$	$\leq \pm 0.1\text{mV}/10\text{min}$
Resistance	$\leq 5\Omega$;	$\leq 5\Omega$

5. Label, Packaging tag:



Away from rain



Away from bask



Fragile

6. Installation instruction: Not applicable.
7. Matters need attention:
 - (1) The operation need professional staff; Allergies and special populations should be used with caution.
 - (2) Do not use if there is any visible damage, Pls check the product mark and expired date before using.
 - (3) Suggest using the ear clip electrodes which has the same material to test and record.
 - (4) Suggest using the matched EEG conductive gel from Unicare or any similar products.
8. Contraindication: None.

9. Instruction:

CX, SX (Electrodes) instruction:

- (1) Clean the head skin(if washing the head, use alcohol or scrub cream to clean partly).
- (2) Use the electrode plate to take proper conductive paste and put to the preset location.
- (3) Connect the pin of the lead to device.
- (4) Start recording.
- (5) After finishing the record, help patient to clean their head skin.
- (6) Clean the electrode with clean water or warm water (around 40°C) and immerse for max 30mins, Do not immerse for a long time, Do not immerse into any disinfectant or hot water.
- (7) Air-dry and standby.

CM, SM (Caps) instruction:

- (1) Clean the head skin(if washing the head, use alcohol or scrub cream to clean partly), the newborn need to remove the fetal scalp grease.
- (2) Locate the Cz、Fp1、Fp2、T3、T4、O1、O2 electrode's location one by one according to the international standard 10/20 system, Or locate the electrodes to the desired location according to personal positional system.
- (3) Choose appropriate head circumference of the EEG cap size, fixed the cap.
- (4) Flat the EEG cap, Make sure that each electrode connecting with the scalp is in a vertical position.
- (5) Use syringe to inject proper conductive paste. And use the needle end to put aside the hair under the electrodes, make sure the eeg gel contact with the scalp tightly.
- (6) Connect with lead, take impedance test, adjust the high impedance electrodes or add little more gel.
- (7) Start recording.
- (8) After finishing the record, take off the caps, and help patient to clean their head skin.
- (9) Clean the EEG caps with clean water or warm water (around 40°C) and immerse for max 30mins, Do not immerse for a long time, Do not immerse into any disinfectant or hot water.
- (10) Air-dry and standby.