

ELECTRODE SET classic

Universal kit of 26 removable Ag/AgCl sintered electrodes MCScap-E with TouchProof 1.5 mm (DIN 42 802-ST) connectors and 2 textile cap MCScap 10-20 with fixing rings

Article

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AREA OF APPLICATION

Routine EEG, research EEG

SET

- Textile caps 10-20 with fixing rings - 2 pcs.
- Electrodes MCScap-E - 26 pcs.
- Labels for marking electrodes
- Ear fixators MCScap-A
- EEG starter kit
- User manual
- Bag



DESCRIPTION

ELECTRODE SET classic is a universal kit of 26 removable Ag/AgCl sintered electrodes MCScap-E with TouchProof 1.5 mm (DIN 42 802-ST) connectors and 2 textile cap MCScap 10-20 with fixing rings. The electrode cap is designed for non-invasive registration EEG and use with electroencephalographs and other amplifiers of biological signals.

Textile cap is made of elastic material, preserving the shape and size. The cap provides the exact position of the electrodes on the head without additional measurements and adjustments. Large holes are provided for ventilation and access to the electrodes and patient's skin. The cap is fixed on the head with the chin or chest belt. Textile cap are made of colored material for simplified identification size and are marked according to system 10-10.

MCScap-E electrode is designed for research that requires frequent installation and quick removal of electrodes for cleaning and disinfection. Used with MCScap textile caps with fixing rings. The Ag/AgCl electrode material guarantees minimum polarization and long-term signal stability. MCScap electrodes are made in a plastic case to reduce artifacts during movement. The conductive surface of the MCScap electrodes is not in direct contact with the skin. Contact is provided by a conductive substance. A hole in the electrodes is provided to add a conductive gel. Electrode have additional labeling what makes easy to rearrange them to new textile base.

TECHNICAL DATA

Electrode



MCScap-E

Material of electrode conductive surface	Ag/AgCl sintered
Electrode body material	polyurethane
Square of electrode conductive surface	4 mm ²
Internal diameter of the electrode at the point of contact of the electrode contact substance with the skin	8 mm
Surface area of contact of the electrode substance with the skin	50.2 mm ²
Outer diameter of the electrode at the point of contact with the skin	15.8 mm
Distance from the skin to the electrode conductive surface	0.7 mm
The diameter of the hole in the electrode to add gel	2.8 mm
Electrode polarization	≤ 50 mV
Resistance of electrodes insulation	≥ 1000 MΩ
Dielectric strength of electrodes insulation	1500 V
The impedance of the electrode	≤ 5 kΩ
Electrode positioning system	10-10
Connector type	TouchProof 1.5 mm (DIN 42 802-ST)
Cable length	120 cm
Location of the output of the electrode cable from cap	Back of the head
Number of electrodes	26
Electrode positions	custom
Marking of textile cap	yes
Marking of electrodes	labels are included
Number of textile caps included	2
Cap sizes available	XL (60-66 cm) XL/L (57-63 cm) L (54-60 cm) L/M (51-57 cm) M (48-54 cm) M/S (45-51 cm) S (42-48 cm) S/XS (39-45 cm) XS (36-42 cm)
Weight	1000 g

Information for reference only

