

DATA SHEET

ELECTRODE SET classic

Universal kit of removable Ag/AgCl sintered MCScap-E electrodes with TouchProof 1.5 mm connectors and textile caps with rings labeled by system 10-20.

REF	Size	Textile caps
654228202	Universal	L (54-60 cm), M (48-54 cm), S (42-48 cm)
976740383	Adult	XL/L (57-63 cm), L (54-60 cm), L/M (51-57 cm)
617216625	Children	M (48-54 cm), M/S (45-51 cm), S (42-48 cm)



INTENDED USE

For registration of electrical potentials of the cerebral cortex (EEG).

SET

- MCScap 10-20 textile caps with fixing rings 3 pcs.,
- MCScap-E electrodes with TouchProof 1.5 mm connectors 24 pcs.,
- Labels for electrodes,
- Ear fixators MCScap-A 2 pcs.,
- User Manual,
- Bag.

DESCRIPTION

ELECTRODE SET is a universal kit of removable Ag/AgCl sintered MCScap-E electrodes with TouchProof 1.5 mm (DIN 42 802-ST) common connector and MCScap® textile cap with fixing rings. ELECTRODE SET can be used for routine EEG, scientific EEG. The electrode cap is designed for use with electroencephalographs and biological signal amplifiers.

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. The caps are marked according to the 10-10 system. Size identification is carried out by the color of the seam. Rings in the cap are designed to install point MCScap-E electrodes.

MCScap-E is a point Ag/AgCl sintered electrode for EEG recording. MCScap-E is designed for research that requires frequent installation and quick removal of electrodes for cleaning and disinfection. Used with MCScap textile caps with retaining rings. The Ag / AgCl sintered electrode material guarantees minimum polarization and long-term signal stability, as well as an increased electrode life.

The set of electrodes with TouchProof 1.5 mm connectors is universal and fits most EEG amplifiers.

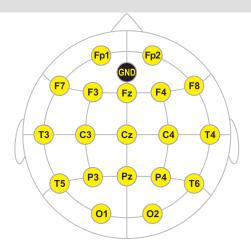


(1) It is allowed to change the specification by prior agreement. Please contact the manufacturer for information on available options.

SPECIFICATION

Electrode MCScap-E Material of electrode conductive surface Ag/AgCI sintered The need to use an electrode contact substance required Square of electrode conductive surface 4 mm² 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 mm² 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 1500 V Dielectric strength of electrodes insulation 1500 V The impedance of the electrode \$ 5 kΩ Connector type TouchProof 1.5 mm (DIN 42 802-ST) Electrode able length 1.2 m Number of EEG electrodes 24 Electrode positions arbitrary installation Ear fixators yes Marking of the electrodes labels are included Number of textile caps included 3 Weight of EEG 4500g <t< th=""><th>Types of EEG examinations</th><th>general EEG practice, scientific EEG</th></t<>	Types of EEG examinations	general EEG practice, scientific EEG
Material of electrode conductive surface Ag/AgCl sintered The need to use an electrode contact substance Fequired Square of electrode conductive surface Internal diameter of the electrode at the point of contact of the electrode contact substance with the skin Surface area of contact of the electrode substance with the skin Surface area of contact of the electrode substance with the skin Outer diameter of the electrode at the point of contact with the skin Distance from the skin to the electrode conductive surface 0.7 mm The diameter of the hole in the electrode to add gel Electrode polarization S 50 mV Resistance of electrodes insulation Dielectric strength of electrodes insulation Dielectric strength of electrode S 5 k\O Connector type TouchProof 1.5 mm (DIN 42 802-ST) Electrode cable length 1.2 m Number of EEG electrodes 24 Electrode positions arbitrary installation Ear fixators yes Marking of the electrodes labels are included Number of textile cap Newight of EEG cap < 350 g Net weight Net weight	Recommended body position during examination	sitting position
The need to use an electrode contact substance Square of electrode conductive surface Internal diameter of the electrode at the point of contact of the electrode contact substance with the skin Surface area of contact of the electrode substance with the skin Surface area of contact of the electrode substance with the skin Distance from the electrode at the point of contact with the skin Distance from the skin to the electrode conductive surface O.7 mm The diameter of the hole in the electrode to add gel 2.8 mm Electrode polarization S≤0 mV Resistance of electrodes insulation Dielectric strength of electrodes insulation Dielectric strength of electrodes insulation The impedance of the electrode Connector type TouchProof 1.5 mm (DIN 42 802-ST) Electrode cable length 1.2 m Number of EEG electrodes 24 Electrode positions arbitrary installation Ear fixators yes Marking of the electrodes labels are included Number of textile caps included Net weight of EEG cap <a href<="" td=""><td>Electrode</td><td>MCScap-E</td>	Electrode	MCScap-E
Square of electrode conductive surface 4 mm² 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 mm² 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 1500 V The impedance of the electrode ≤ 5 kΩ Connector type TouchProof 1.5 mm (DIN 42 802-ST) Electrode cable length 1.2 m Number of EEG electrodes 24 Electrode positions arbitrary installation Ear fixators yes Marking of the textile cap yes Marking of the electrodes labels are included Number of textile caps included 3 Weight of EEG cap <350 g	Material of electrode conductive surface	Ag/AgCl sintered
Internal diameter of the electrode at the point of contact of the electrode contact substance with the skin Surface area of contact of the electrode substance with the skin 50.2 mm² Outer diameter of the electrode at the point of contact with the skin Distance from the skin to the electrode conductive surface 0.7 mm The diameter of the hole in the electrode to add gel Electrode polarization ≤ 50 mV Resistance of electrodes insulation Dielectric strength of electrodes insulation 1500 V The impedance of the electrode ≤ 5 kΩ Connector type Touch Proof 1.5 mm (DIN 42 802-ST) Electrode cable length 1.2 m Number of EEG electrodes Electrode positions arbitrary installation Ear fixators yes Marking of the textile cap Murber of textile caps included Number of textile caps included Net weight of EEG cap Net weight	The need to use an electrode contact substance	required
electrode contact substance with the skin 8 mm Surface area of contact of the electrode substance with the skin 50.2 mm² 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 1500 V Dielectric strength of electrode insulation 1500 V The impedance of the electrode ≤5 kΩ Connector type TouchProof 1.5 mm (DIN 42 802-ST) Electrode cable length 1.2 m Number of EEG electrodes 24 Electrode positions arbitrary installation Ear fixators yes Marking of the textile cap yes Marking of the electrodes labels are included Number of textile caps included 3 Weight of EEG cap <350 g	Square of electrode conductive surface	4 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 Connector type TouchProof 1.5 mm (DIN 42 802-ST) Electrode cable length 1.2 m Number of EEG electrodes 24 Electrode positions arbitrary installation Ear fixators yes Marking of the textile cap yes Marking of the electrodes labels are included Number of textile caps included 3 Weight of EEG cap <350 g		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 Connector type TouchProof 1.5 mm (DIN 42 802-ST) Electrode cable length 1.2 m Number of EEG electrodes 24 Electrode positions arbitrary installation Ear fixators yes Marking of the textile cap yes Marking of the electrodes labels are included Number of textile caps included 3 Weight of EEG cap <350 g	Surface area of contact of the electrode substance with the skin	50.2 mm ²
The diameter of the hole in the electrode to add gel Electrode polarization Resistance of electrodes insulation Dielectric strength of electrodes insulation The impedance of the electrode ≤5 kΩ Connector type TouchProof 1.5 mm (DIN 42 802-ST) Electrode cable length 1.2 m Number of EEG electrodes 24 Electrode positions arbitrary installation Ear fixators yes Marking of the electrodes Marking of the electrodes Iabels are included Number of textile caps included Number of textile caps included Number of EEG cap × 350 g Net weight × 950 g	Outer diameter of the electrode at the point of contact with the skin	15.8 mm
Electrode polarization ≤50 mV Resistance of electrodes insulation ≥1000 MΩ Dielectric strength of electrode insulation 1500 V The impedance of the electrode ≤5 kΩ Connector type TouchProof 1.5 mm (DIN 42 802-ST) Electrode cable length 1.2 m Number of EEG electrodes 24 Electrode positions arbitrary installation Ear fixators yes Marking of the textile cap yes Marking of the electrodes labels are included Number of textile caps included 3 Weight of EEG cap <350 g Net weight <350 mV 150 mV 15	Distance from the skin to the electrode conductive surface	0.7 mm
Resistance of electrodes insulation ≥ 1000 MΩ Dielectric strength of electrodes insulation 1500 V The impedance of the electrode ≤5 kΩ Connector type TouchProof 1.5 mm (DIN 42 802-ST) Electrode cable length 1.2 m Number of EEG electrodes 24 Electrode positions arbitrary installation Ear fixators yes Marking of the textile cap yes Marking of the electrodes labels are included Number of textile caps included 3 Weight of EEG cap < 350 g	The diameter of the hole in the electrode to add gel	2.8 mm
Dielectric strength of electrodes insulation1500 VThe impedance of the electrode≤5 kΩConnector typeTouchProof 1.5 mm (DIN 42 802-ST)Electrode cable length1.2 mNumber of EEG electrodes24Electrode positionsarbitrary installationEar fixatorsyesMarking of the textile capyesMarking of the electrodeslabels are includedNumber of textile caps included3Weight of EEG cap<350 g	Electrode polarization	≤50 mV
The impedance of the electrode ≤5 kΩ Connector type TouchProof 1.5 mm (DIN 42 802-ST) Electrode cable length 1.2 m Number of EEG electrodes 24 Electrode positions arbitrary installation Ear fixators yes Marking of the textile cap yes Marking of the electrodes labels are included Number of textile caps included 3 Weight of EEG cap <350 g Net weight <950 g	Resistance of electrodes insulation	≥ 1000 MΩ
Connector type Electrode cable length 1.2 m Number of EEG electrodes Electrode positions Ear fixators Marking of the textile cap Marking of the electrodes Number of textile caps included Number of textile cap Weight of EEG cap Net weight TouchProof 1.5 mm (DIN 42 802-ST) 1.2 m 24 Electrode positions arbitrary installation yes yes labels are included 3 Weight of EEG cap <350 g Net weight	Dielectric strength of electrodes insulation	1500 V
Electrode cable length Number of EEG electrodes Electrode positions Ear fixators Marking of the textile cap Marking of the electrodes Number of textile caps included Number of textile caps included Neight of EEG cap Net weight 1.2 m 1.2 m 1.2 m 1.2 m 1.2 m 1.2 m 24 4 4 4 4 4 4 5 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8	The impedance of the electrode	≤5 kΩ
Number of EEG electrodes Electrode positions Ear fixators yes Marking of the textile cap Marking of the electrodes Number of textile caps included Number of textile caps included Weight of EEG cap Net weight Substitute 124 Arbitrary installation yes Jesu 124 Jes	Connector type	TouchProof 1.5 mm (DIN 42 802-ST)
Electrode positions arbitrary installation Ear fixators yes Marking of the textile cap yes Marking of the electrodes labels are included Number of textile caps included 3 Weight of EEG cap <350 g Net weight <950 g	Electrode cable length	1.2 m
Ear fixators yes Marking of the textile cap yes Marking of the electrodes labels are included Number of textile caps included 3 Weight of EEG cap <350 g Net weight <950 g	Number of EEG electrodes	24
Marking of the textile cap yes Marking of the electrodes labels are included Number of textile caps included 3 Weight of EEG cap <350 g Net weight <950 g	Electrode positions	arbitrary installation
Marking of the electrodes labels are included Number of textile caps included 3 Weight of EEG cap <350 g Net weight <950 g	Ear fixators	yes
Number of textile caps included3Weight of EEG cap<350 g	Marking of the textile cap	yes
Weight of EEG cap< 350 gNet weight< 950 g	Marking of the electrodes	labels are included
Net weight <950 g	Number of textile caps included	3
	Weight of EEG cap	< 350 g
Gross weight <1000 g	Net weight	< 950 g
	Gross weight	< 1000 g

RINGS LAYOUT



Manufacturer's code: 10M20 (20 electrodes)

For information about other possible EEG electrode arrays, contact the manufacturer.