

Electrode cap CLINIC

Printed textile cap with 21 preinstalled Ag/AgCl electrodes MCScap-C with DB-25M common connector

Article	Size	Head circumference
003-1-001	XL	60-66 cm
003-1-002	XL/L	57-63 cm
003-1-003	L	54-60 cm
003-1-004	L/M	51-57 cm
003-1-005	M	48-54 cm
003-1-006	M/S	45-51 cm
003-1-007	S	42-48 cm



AREA OF APPLICATION

Routine EEG

SET

- Electrode cap CLINIC
- EEG starter kit
- User manual

DESCRIPTION

Electrode cap CLINIC is a printed textile cap with 21 preinstalled Ag/AgCl electrodes MCScap-C with DB-25M common connector, cable length 150 cm. 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-C electrode is shaped like a bowl with a wide skirt. This shape of the electrode allows you to achieve a tighter fit to the patient's head and provides comfort during the research, and also does not allow the electrode gel to flow out of the electrode. 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

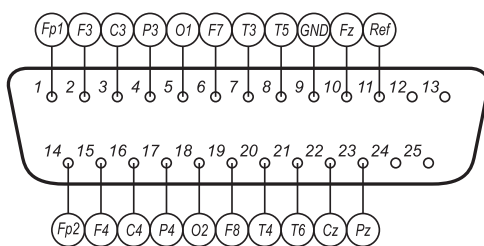


MCScap-C

Material of electrode conductive surface	Ag/AgCl
Electrode body material	polyurethane
Square of electrode conductive surface	26 mm ²
Internal diameter of the electrode at the point of contact of the electrode contact substance with the skin	10 mm
Surface area of contact of the electrode substance with the skin	78.5 mm ²
Outer diameter of the electrode at the point of contact with the skin	15 mm
Distance from the skin to the electrode conductive surface	3.5 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	DB25M
Cable length	150 cm
Location of the output of the electrode cable from cap	Back of the head
Number of electrodes	21
Electrode positions	Fp1, Fp2, F3, F4, C3, C4, P3, P4, O1, O2, F7, F8, T7(T3), T8(T4), P7(T5), P8(T6), Cz, Fz, Pz, GND, Ref
Marking of textile cap	yes
Marking of electrodes	yes
Weight	700 g

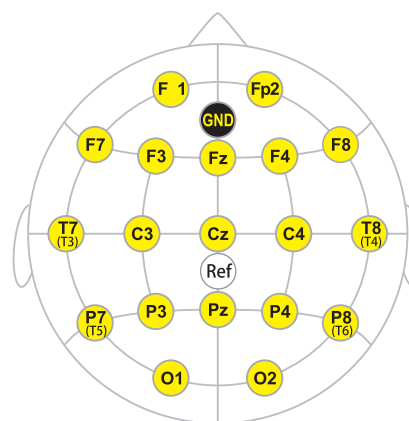
Information for reference only

MAIN PIN LAYOUTS OF COMMON CONNECTOR



R23-01 (21 electrodes)

EEG ELECTRODE ARRAY



R23 (21 electrodes)

For information about other possible pin layouts and EEG electrode arrays, contact the manufacturer



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