

Textile cap MCScap SHIELD

Textile cap with shielding properties for EEG electrode caps.

REF	Size	Head circumference
033-0-543	XL	60-66 cm
033-0-544	XL/L	57-63 cm
033-0-545	L	54-60 cm
033-0-546	L/M	51-57 cm
033-0-547	M	48-54 cm
033-0-548	M/S	45-51 cm
033-0-549	S	42-48 cm
033-0-550	S/XS	39-45 cm
033-0-551	XS	36-42 cm
033-0-552	Inf I	32-36 cm
033-0-553	Inf II	28-32 cm
033-0-554	Inf III	24-28 cm



INTENDED USE

Textile cap MCScap SHIELD is designed to effectively attenuate common-mode electromagnetic interference induced at EEG electrodes during biomedical research.

SET

- Textile cap MCScap SHIELD.

DESCRIPTION

Textile cap MCScap SHIELD is designed for use in conjunction with dry electrodes MCScap-DrP1 / MCScap-DrA1 (and similar) and wireless amplifiers NeoRec 16, NeoRec 21, NeoRec 21 mini (and similar).

The use of the MCScap SHIELD allows you to reduce the amplitude of external electromagnetic interference to 50 dB, thereby improving the quality of the EEG signal. The degree of common mode rejection will depend on the power of the radiation source, electrode impedance and other external factors.

Fabric properties:

- breathable,
- lightweight,
- antibacterial,
- antistatic.

SPECIFICATION

Material of the cap	80% spandex, 20% silver
Surface conductivity	0.5 Ohm/inch
Common-mode signal attenuation	up to 50 dB
Extensibility	up to 50 %
Weight	< 15 g

RESULTS OF MEASURING THE SPECTRAL DENSITY OF THE RECORDED EEG SIGNAL WITH AND WITHOUT THE USE OF MCSCAP SHIELD

