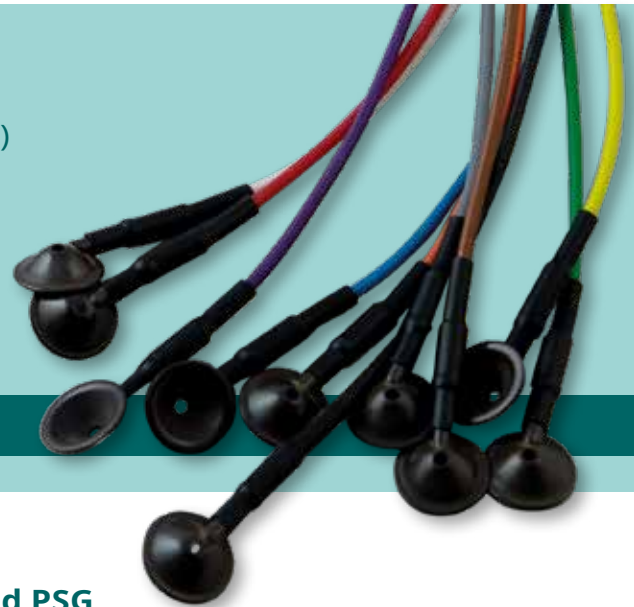


Silver/silver chloride (Ag/AgCl) Cup Electrodes

Instructions for use & data sheet

- 10 mm diameter
- 1.5mm female DIN42802 connector (touchproof)
- Highly flexible wire for easy application, cleaning and disinfection
- Color-coded cables (10 colors)
- Different cable lengths, reusable



Reusable silver/silver chloride (Ag/AgCl) cup electrodes with highly flexible cable for EEG and PSG

The electrodes are mechanically and electrically very demanding and are compatible with all medical devices with a 1.5 mm DIN plug (DIN 42802), such as:

- | | | | |
|---------------|-------------|------------------|---------------|
| • Bio-logic | • Embla | • Nicolet | • SOMNOmedics |
| • Cadwell | • Grass | • Nihon Kohden | • Teca Nervus |
| • Cltek | • Lifelines | • NicoletONE | |
| • Compumedics | • Natus | • Respirationics | |

Instructions for use

Before start measurement, please treat the patient's skin with an abrasive skin preparation gel such as Nuprep (article no.: CR-001) or OneStep® AbrasivPlus (article no.: CR-005). This step will reduce skin impedance and ensure a good signal quality.

Next, fill the Ag/AgCl cup electrode with an adhesive conductive paste such as electrode conductive cream lic2® (Article No.: CR-004) and attached the electrode to the prepared area on the scalp. For better adhesion, a small amount of lic2® cream can be applied to a gauze and carefully pressed onto the electrode. When placed on the face or forehead, the electrode can be additionally fixed using Fixomull® stretch (item no.: DI-048) for additional fixation. At the end of the application, lic2® cream should first be soaked with a damp cloth before removing the EEG cup electrode.

The electrodes can be cleaned with warm water (30 °C to 40 °C) or with a damp cloth or mild detergent. The electrodes can be disinfected using alcoholic (such as Mikrozid AF wipes) or non-alcoholic (such as Mikrozid sensitive wipes) disinfection wipes. The use of disinfectants containing oxidizing or reducing agents (such as hydrogen peroxide, potassium permanganate, phenols and bleaching powder) is not recommended. Please do not use an ultrasonic bath to clean the electrodes.

Silver/silver chloride (Ag/AgCl) Cup Electrodes

Instructions for use & data sheet

Specification Data

Diameter of cup	10 mm
Hight of cup	2.8 mm
Lead-free	✓
Latex-free	✓
BPA-free lead wire	✓
DEHP-free lead wire	✓
RoHS compliant	✓
Lead wire isolation	Biocompatible TPU
Lead wire core	Kevlar
Electrode	Silver plated with silver chloride
Connector	DIN 42802 (1.5 mm DIN)
Connector color	Grey
Connector material	Medical grade PVC
Available variants	75 cm (30"), 100 cm (40"), 150 cm (60"), 200 cm (80") and 250 cm (98")

Electrical Data

AC impedance	$\leq 0.15 \text{ k}\Omega \cdot \text{cm}^2$
DC offset voltage	$\leq 2 \text{ mV}$
Potential drift	$\leq \pm 0.1 \text{ mV}/10 \text{ min}$
Conduction Resistance	$\leq 5 \Omega$

Packaging Data

Pack	Set of 10, assorted colors (red, yellow, green, blue, orange, brown, violet, grey, black, white)
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Storage Condition

Temperature	10 – 50 °C
Humidity	20 – 80 %
Atmospheric Pressure	87 kPa – 108 kPa
Additional conditions	No corrosive gas and well-ventilated

Operating Data

Shelf life	3 years
Period of use	6 months in average, but more than 1 year lifetime can be achieved in case of correct and expert application
Connector plugging times:	5000 times

Cable lengths & part numbers

cable lengths	part number
75 cm	CE-150
100 cm	CE-151
150 cm	CE-152
200 cm	CE-153
250 cm	CE-154

