

disposable EEG cap for newborns



DEC12 is a disposable EEG cap with 12 Ag/AgCl scalp electrodes.

Cap is intended for use with encephalographs and amplifiers of biomedical signals by special adapter.

APPLICATION AREA:

- Neonatal EEG
- Neurology
- Neurophysiology
- Functional diagnostic

ADVANTAGES:

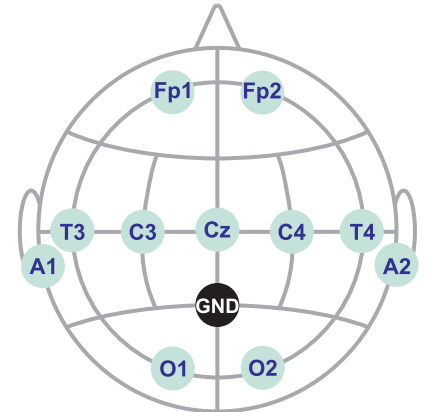
- 100% solution of cross-infection problem
- Safe and comfortable
- Quick installation ~ 3 min.
- Simple design – not need special skills

ADDITIONAL ACCESSORIES:

- DEC12-DB25 adapter for EEG amplifiers with common connector
- DB25-TouchProof 1.5 mm adapter for connection to any EEG amplifier

TECHNICAL SPECIFICATIONS

Application	neonatal EEG
Cable exit	vertex
Number of electrodes	12
Sizes (head circumference)	XS (36 – 47 cm), Inf I (32 – 36 cm), Inf III (24 – 32 cm)
Electrode material	Ag/AgCl
Electrode polarization	< 15 mV
Electrode noise	< 1 μ V peak-to-peak (0.16 rms) @ 0.1-70 Hz
Electrode impedance	< 1 kOhm @ 0.1 ÷ 70 Hz
Electrode condition	Dry, need apply conductive paste
Recommended type of conductive paste	Ten20, Unipaste
Time installation	~ 3 min
Storage life	24 month
Number of Caps per box	5 pcs.



System of electrode placement

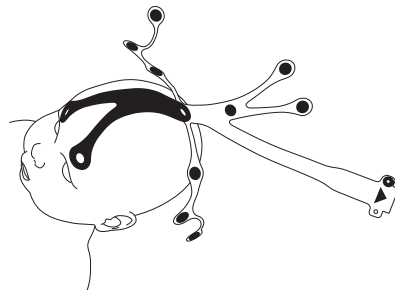
RECOMMENDATIONS FOR USE

1 Place the cap on the head for define of electrode position. Prepare the skin by abrasive gel. Remove gel residue.

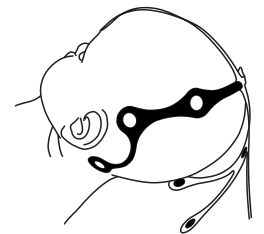
2 Apply conductive paste at electrodes.

3 Fix the cap on the head, carefully pressing the electrodes tightly to the skin by the following steps:

3.1 Forehead strip:
Fix electrodes FP1 and FP2 center of forehead over the brow ridges.



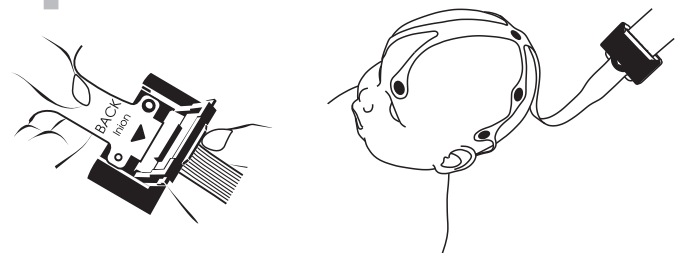
3.2 Right and left strips:
Fix electrodes C3 and T3 away toward the ear, A1(M1) behind the ear. Similarly, on the other side of the head, place the electrodes C4, T4, A2(M2).



3.3 Nape strip:
Fix electrodes GND, O1, O2.



4 Connect plug to adapter.



Additional fixation:

If necessary, use disposable adhesive medical tape for additional fixation of electrodes.

Do not use adhesives based on collodion!