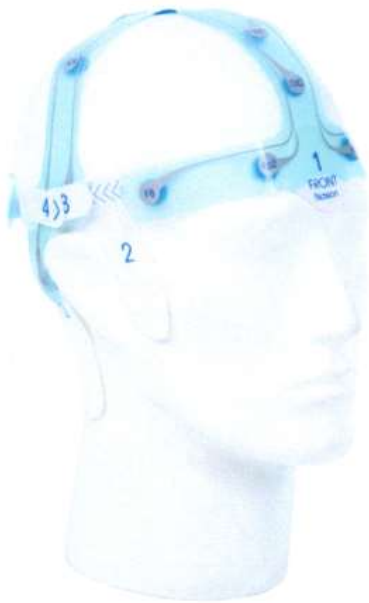


# disposable EEG cap **DEC 22**

製造販売届出番号：17B2X10003000003



## SPECIFICATION

### Description:

DEC22 is a disposable system of 22 electrode EEG cap with pre-gelled passive Ag/AgCl scalp electrodes. DEC22 is intended for use with encephalographs and amplifiers of medical signals by special adapter.

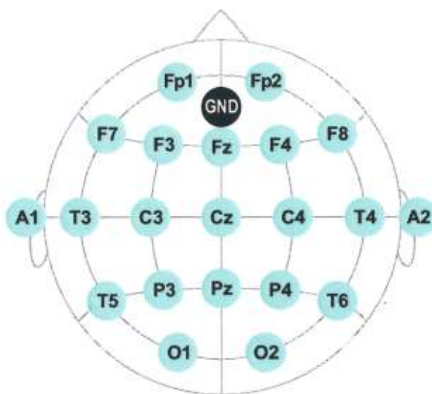
**Application area:** neuroscience, neurophysiology, functional diagnostics.

### Advantages:

- ✓ 100% solution to the problem of disinfection;
- ✓ Ready to use pre-gelled electrode system;
- ✓ Fast installation ~ 3.5 min.;
- ✓ DEC22 has more channels than DEC18 covering the full 10-20 system.

### Additional accessories:

- ✓ DEC22-DB25 adapter for EEG amplifiers with common connector;
- ✓ DB25-TouchProof adapter for connection to any EEG amplifier.



Number of EEG electrodes	22
Electrode labels	Fp1, Fp2, F3, F4, F7, F8, Fz, Cz, C3, C4, Pz, T3, T4, P3, P4, A1, A2, T5, T6, O1, O2, GND
Size	L (54 – 62 cm), M (48 - 54 cm), S (42 - 48 cm)
Electrode material	Ag/AgCl
Electrode polarization	< 15 mV
Electrode noise	< 1 uV p-p (0.16 rms) @ 0.1-70Hz
Electrode impedance	< 1 kOhm @ 0.1 ÷ 70Hz
Electrode condition	Pre-gelled
Installation time	~3.5 minutes
Work duration after the package opening	5 hours
Storage life	24 months
Storage temperature	-30..50 C°
Size of package (LxWxH)	less 490x460x15, mm
Weight of cap in the package	less 200 grams
Number of caps per box	12



## CAUTIONS

- ✓ Prior to opening pouch, measure head circumference under hair to ensure you are using the correct size. Head size measure around the fullest part of the head just above the ears and one inch above the eyebrows using a flexible tape measure.
- ✓ Peel pouch to open. Do not use scissors as this may damage headpiece.
- ✓ Use immediately after opening. Discard if not used within 5 hours. Do not use if electrodes are dry.
- ✓ If skin irritation is noted, stop use and remove product.
- ✓ Not for use on neonatal or pediatric patients.
- ✓ Discard liners and use headpiece in an appropriate receptacle.

Skin areas of adhesion (forehead and ear sides) should be previously treated by alcohol to degrease, clean and dry the skin.



### Fix forehead

Place the cap on head. **Cz** electrode should be at the top of the head.

Remove protective film from the **FRONT (Area 1)**.

Adhere **FRONT (Area 1)** centred across forehead as shown.

Part hair in the midline to bare scalp.

Make sure that the central strip (Front - GND - Fz - Cz - Pz - Back) is centered across the head as shown.

Pulling headpiece, place the **GND**, **Fz** and **Cz** electrodes in series toward top of the head by parting hair away and pressing down each one. Be sure adhesive and electrode sponges touch scalp.



### Fix ear area

Part hair away toward the ear meatus.

Holding **Cz** electrode, place the **C3**, **T3** and **A1** (or **C4**, **T4** and **A2**) electrodes by parting hair away and pressing down each one.

Remove protective film from the ear area and adhere **Area 2** on the sides of ear as shown.

Repeat for the rest sideline.



### Fix along forehead

Pulling headpiece, place the **Fp1** and **F7** (or **Fp2** and **F8**) electrodes pressing down each one.

Remove protective film and adhere **Area 3** to the corresponding one at the sideline.

Repeat for the rest **Strip 3**.



### Fix along nape

Part hair in the midline toward neck.

Pulling headpiece to **BACK**, place **Pz** electrode and press down.

Holding the **BACK** strip, place the **O1** and **T5** (or **O2** and **T6**) electrodes by parting hair away and pressing down each one.

Remove protective film and adhere **Area 4** to the corresponding one at the sideline.

Repeat for the rest **Strip 4**.



### Connect plug

Connect rear line of headpiece **BACK** to the plug.

Inspect adhesion to head. If headpiece is not fully adhered press along areas and strips to secure. Replace headpiece after 5 hours.

Do not dispose of this product with the normal household waste at the end of its life cycle. Dispose this product through your local waste facility.

製造元：Medical Computer Systems Ltd. (Russia)

国内総代理店：イーストメディック株式会社

**EMC**  
East Medic Corporation