

ELECTRODES

In selecting the application site for any style of electrode, care should be taken that:

- 1) Electrode site is dry and free of excessive hair.
- 2) Electrode is not placed over scar tissue or on an area of established erythema or with a lesion of any kind.
- 3) Skin is properly prepared. (Prepare the skin at the electrode site. Use the ELPAD to lightly abrade the skin surface. Use a brisk dry rub to prepare the application site. Avoid excessive abrasion of the skin surface.)

EL650 SERIES REUSABLE SNAP ELECTRODES

EL650 Series reusable snap electrodes incorporate a variety of features which improve biopotential recordings.

- Non-polarizable
- Sintered to increase electrode/electrolyte contact area
- Does not require chloriding
- Reusable via resurfacing
- High stability recordings, to DC, when used with chloride salt gel electrolyte
- Electrolyte gel cavity reduces artifact due to electrolyte/electrode motion and minimizes electrolyte dissipation/drying over long term recordings



EL654 This is a reusable Ag-AgCl snap electrode with a 4 mm diameter.

EL658 This is a reusable Ag-AgCl snap electrode with a 8 mm diameter.

Use with ADD204 adhesive collars and interface with LEAD110S Series snap electrode leads or BioNomadix electrode lead sets.

EL654/658 SPECIFICATIONS

Sensor diameter: 4 mm Ag-AgCl (EL654,) 8 mm Ag-AgCl (EL658)

Housing diameter: 13 mm

Overall height: 6 mm (EL654,) 8 mm (EL658)

Gel cavity: 2 mm deep

Snap: 1 mm thick Ag-AgCl sintered sensor element mounted in an epoxy housing; all parts are firmly encapsulated with epoxy, resulting in a tough, durable waterproof assembly

How to Clean Reusable Electrodes

1. Do not leave GEL in the cavity after use. If GEL is left in cavity, the Ag-AgCl electrode disk could degrade quickly with time because the electrode surface is somewhat porous to promote good conductivity to the GEL.
2. To clean the reusable electrode, use a cotton swab or toothbrush with tap water.
3. Use any lab cleaner with pumice (such as Ajax) with cotton swab or toothbrush to remove any dark residue from electrode surface.
4. Use Hydrogen Peroxide solution (2-3%) to brighten electrode surface (optional) or to sterilize electrode. Do not place the electrode in solution, but simply clean the electrode surface using a cotton swab.
5. Dry electrode off completely before storage.

Warning! Use of a Waterpik® or similar jet will drastically shorten the life of electrodes and is not recommended.