



Always follow the most current WHO/CDC guidelines for infection prevention of clients/patients and staff.

1. Skin Preparation:

- Start with a clean skin surface.
- Use protective gloves and/or other protective equipment as guided by basic infection prevention principles.
- Use a cotton swab, preferably with a flexible stick, to apply the skin preparing product. Do not use the tip of the swab but the side of the cotton tip end to prepare the skin surface.
- If a blunt-tipped needle is used, follow all standard skin hygiene recommendations, and never use a blunt-tipped needle more than once. Always dispose in a sharps container.
- When using skin prep (such as NuPrep) use a cotton-tipped applicator, rubbing lightly or rotate the applicator. Avoid rubbing the solution on the skin back and forth in two directions, which can cause friction of the skin and an uncomfortable, burning sensation for the patient.
- Very thin, delicate skin may tolerate the preparation more safely by using clean gauze wrapped around the forefinger with the skin preparing agent and gently massaging the marked area.
- Wipe skin preparing solution off after preparation of the area. This will eliminate irritating material between the electrodes and the skin.

2. Electrode/Cap Application:

- When using re-usable caps, be sure that policies for cleaning are adhered to and infectious disease policies address the use of reusable electrodes.
- Recommend:
 - Scott NK. Infection prevention: 2013 Review and Update for Neurodiagnostic Technologists. [Neurodiagn J., 53:271–288, 2013](#)

3. Step-by-step Cap Cleaning:

- Unsnap and remove the straps; place to one side.
- Fill sink with very warm tap water.
- Add a small amount of Ivory liquid detergent to the water.
- Submerge ONLY the cap portion. DO NOT allow the connector to get wet. Let the cap sit in the water for a few minutes.
- Clean the gel from the electrode mounts with an “orange stick” or cotton swab. Another method is to alternate each mount, in turn, under rapidly running water. The water pressure will force most of the softened gel from the mounts.
- Rinse electro-cap thoroughly.
- Blot the cap gently in a terry cloth towel or hang it up to dry. IMPORTANT: When drying the electro-cap, hang it so the cap portion is lower than the connector. IF the connector is lower than the cap, water will run down the multicolored cable into the connector and corrode the terminals resulting in artifact.
- When the cap is dry, replace the straps.