Protocol

Make new electrolyte solution every 30 days (120g of powder + 1 liter of pure water)

Make new disinfectant solution every 14 days (1 teacup of disinfectant + 2 quartz of water + 1 drop of baby shampoo)

Before the day of test:

1. Measure subject’s head size

2. Told subject to wash hair without using conditioner

On the day of test:

1. Soak the cap 2 hours in advance (need to measure subject’s head size beforehand)

2. Test the photocell and run the test once to check if data is recording correctly

When subject came:

3. \*Scrape the scalp

4. Check impedance and fix electrodes

Before the start of the recording:

1. Turn on the photo sensors

2.

After the recording:

1. Turn off the photo sensors

2. Save the behavioral data and EEG data

3. Take off the cap

4. Thanks and pay subject

After subject leave:

1. Wash the cap and scraper