NeuroNexus Probe Usage Tips

- If you want to reuse the probe after withdrawal from tissue following an experiment, it's important to follow a protocol to ensure that the probe is properly cleaned and sterilized. Here are some steps you can follow:
    a. After withdrawal from tissue after an experiment, immediately rinse in a beaker of distilled water to remove any excess tissue or debris from the probe.
    b. Soak the probe (only the shank; avoid soaking the PCB) in a protein-dissolving detergent (Tergazyme) or enzyme such as contact lens solution or diluted surgical instrument detergent for up to 4 hours to remove any residual biological material.
    c. Rinse the probe in deionized water and then repeatedly immerse and extract or gently stir it inside the beaker to remove any detergent residue.
    d. use, isopropyl alcohol (e.g. 70% IPA) for cleaning AFTER the protein dissolving procedure. **CAUTION:** Without first dissolving the residual tissue from the probe, alcohol could cause protein to stick to the electrode sites.
    e. Store probes in their shipping box. Keep the record that came with the probes. This will help you identify the probe designs in the future.
- **DO NOT** use ultrasonic cleaners on NeuroNexus probes as this may cause damage.
- **DO NOT** autoclave either NeuroNexus probes as this may cause damage.
- Use connector covers to protect the exposed connectors on chronic packages (CM, H, etc.)
- We would like to emphasize that the ground and reference wires attached to the probe are delicate and vulnerable to damage. These wires are flexible and thin, and excessive force or manipulation can result in permanent damage to their connections. Such damage can lead to noisy recordings due to faulty referencing, which can significantly compromise the accuracy and reliability of your data.

If you have any questions or concerns about your probe usage, please contact us at +1.734.913.8858 or support@neuronexus.com.