Careful electrode site preparation is the most important part of getting an accurate screening test. Low electrode impedance is essential to reduce noise in ABR recordings.

- **Be sure the baby is quiet**; sleeping is ideal.
- **Prepare the skin** for electrode (sensor) placement. Lotions can cause higher impedance levels—use a small alcohol wipe to clean the area prior to placing the electrodes if necessary.
- **To help reduce impedance**, electrode gel, water or saline, or a tiny amount of Ten20 paste can be used when placing the electrodes.
- **As you place the electrodes** on the baby’s skin, use firm pressure, pressing down for a few seconds on each electrode to give it a chance to stick.
- **Orient the electrode wires** so they are all facing the same direction—away from the top of the baby’s head usually works best.
- **Make sure the wires are not crossed** – this can cause interference.
- **After the electrodes are placed**, put the probe or insert earphone in the baby’s ear, or place ear couplers over the ears. Ear couplers need to be positioned on the ear so they completely cover the external ear and the cables are to the front of the baby.
- **Position the baby to minimize neck artifact**. Swaddling the baby also helps make sure he or she will not interfere with the probe position or ear couplers during testing.
- **Monitors and other electrical equipment** in the room can sometimes cause electrical interference. May need to ask medical staff if it is possible to temporarily unplug medical equipment and use battery power instead during the screening.
- **When the screen is complete**, take the electrodes and ear couplers, if used, off the baby. (If the couplers seem stuck, support the underlying skin with your fingers and gently lift the edge of the coupler.) Using water on a gauze or paper towel to saturate and soften the sensor will make it slippery and easy to remove.
- **Please fill out a pink (for an initial hearing screen) or blue (for a re-screen) card and send it to:** Washington State Department of Health – EHDDI Program 1610 NE 150th Street, PO Box 55279, Shoreline, WA 98155.
Has your equipment been calibrated within the last year? 
This is necessary, in addition to the annual electrical safety 
checks done by your biomedical department.

For most OAE equipment, and Biologic OAE and ABR 
equipment, contact:
MSR Northwest
6520 212th St SW, Ste 208, Lynnwood, WA 98036
Phone: 360-282-4170 or 800-950-3277
Fax: 360-282-4175
http://msrwest.com

For Natus equipment, contact:
Natus Medical
Toll-free Phone: 800-303-0306
Hours: Monday–Friday, 6:00 a.m. – 5:00 p.m. Pacific Time
www.natus.com

Do you have spare supplies on hand? This would include probe tips in different 
 sizes for OAE and/or ABR, electrodes/sensors and ear couplers for ABR, and
 any other supplies you use regularly. Supplies can be ordered through the above 
companies.

Does someone regularly perform a listening check and/or probe check according 
 to manufacturer’s instructions? For technical assistance, contact the above 
companies.

Do you know how to order more pink and blue cards for reporting data 
 to the state?
Washington State Department of Health – EHDDI Program
1610 NE 150th Street, PO Box 55279, Shoreline, WA 98155
Phone: 206-418-5613  Fax: 206-364-0074
E-mail: NBS.Prog@doh.wa.gov
www.doh.wa.gov/earlyhearingloss

For persons with disabilities, this document is available on request in other formats. 
To submit a request, please call 1-800-525-0127 (TTY/TDD 711).