

Equipment Requirements for Level 1 Providers of Infant Audiologic (Diagnostic) Assessment

Audiologists who provide pediatric services at a Level I Audiology Facility must have access and use as appropriate the following specialized equipment:

1. **Auditory Brainstem Response (ABR):** test equipment capable of various stimulus levels and types including (a) clicks, (b) frequency specific stimuli such as tone bursts at audiometric frequencies and (c) transducers including air conduction insert earphones and bone conduction oscillator;
2. **Evoked Otoacoustic Emissions (OAE):** test equipment, either transient-evoked OAE (TEOAE) and/or distortion-product OAE (DPOAE);
3. **Middle ear acoustic immittance analyzer for tympanometry with high frequency probe tones** and middle ear muscle reflex (MEMR) threshold measurement.

Additional equipment needed for on-going assessment via behavioral audiometry includes:

- Sound-treated audiometric test booth
- Audiometer with insert earphones
- Sound-field testing capabilities
- Visual reinforcement audiometry (VRA)

Optional Equipment:

Auditory steady-state response (ASSR) may be used in conjunction with the above test battery to help estimate frequency-specific hearing sensitivity. Although ASSR may help confirm test results, it should not replace traditional ABR.

In addition to the proper equipment the practitioner's qualifications are outlined:

- Audiologist who provide pediatric assessment:
- Must hold a current Indiana license in Audiology
- Should have pediatric experience and expertise
- Should have and routinely use recommended equipment listed above

Completion of audiologic assessment at one site and during one visit is preferable when possible.