

Audiology Research Diagnostics Core



Housed in Lyles-Porter Hall, the Audiology Research Diagnostics Core (ARDC) at Purdue has been created as a collaborative effort to reduce the entry barrier to auditory neuroscience for new and cross-disciplinary investigators. In addition to the listed services our facility offers, we are developing a solution for harmonization and analysis of human and animal subject data across multiple laboratories, as well as large-scale web-based data collection, to investigate trends and comprehensively study hearing pathologies.

Our Standard Evaluation:

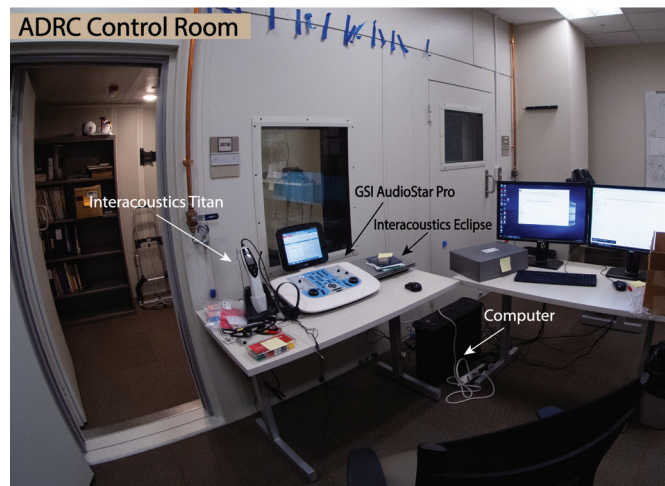
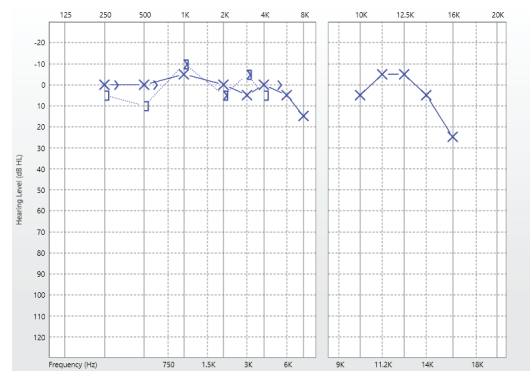
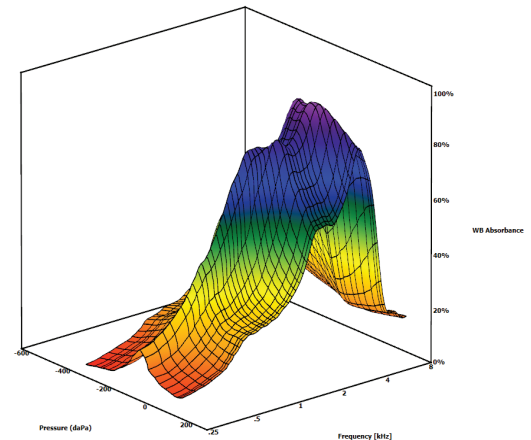
- Wideband Tympanometry
- Acoustic Reflexes
- Pure Tone/Bone Conduction Audiometry (with Extended High Freq.)
- Distortion Product Otoacoustic Emissions

Additional Capabilities:

- Other Otoacoustic Emissions (TEOAEs, SFOAEs, swept-tone)
- Auditory Brainstem Responses (ABRs)
- Frequency-Following Responses (FFRs)
- Word-Recognition Testing
- Quick Speech in Noise Test (QuickSIN)
- Most Comfortable/Acceptable/Uncomfortable Level Hearing
- Customized Protocols Upon Request

Equipment:

- GSI AudioStar Pro
- Interacoustics Titan Clinical Testing Device
- Interacoustics Eclipse Pre-Amp for ABRs
- Isolation Soundbooth



If your study could benefit from our audiometry measures or large-scale data approach, please contact us (haked@purdue.edu)!