

Q: What age groups can be tested with the Corti?

A: This instrument may be used to test people of all ages – from newborn to adult.

Q: Does the Corti automatically start when the probe seal is obtained?

A: Yes. After the probe is placed in the ear canal and the Test button is pressed, the unit automatically runs through a series of self-checks to ensure that a seal is obtained and the noise floor is low, and conducts an in-the-ear signal calibration test. This process happens very quickly and often takes less than a second. The test will then begin automatically.

Q: How much time does it take to test both ears?

A: If the hair cells are normal and background noise is minimal, a screening test could take from 8 to 16 seconds per ear.

Q: When the Corti indicates a “Pass” or “Refer” result, what does that mean?

A: The presence of otoacoustic emissions suggests normal outer hair cell function. However, a Pass result is not an indication that the full auditory system is normal. A full audiologic evaluation should be administered if concerns about hearing sensitivity persist. A Refer test result indicates the outer hair cell function is not normal. A Refer result should not be assumed to be an indicator of a lack of auditory function or the presence of pathology. Refer results should be repeated. If the Refer result persists, full audiologic diagnostic testing and/or medical evaluation should be conducted.

Q: How are reports generated?

A: There are two methods to obtain reports from the Corti. Full color reporting is available via the Corti Data Manager, and the optional wireless thermal printer will produce OAE results both in tabular and graphic formats.

Q: Does the Corti connect to a computer to enter the patient or baby names?

A: Yes. The Corti Data Manager is a clear, easy-to-use patient database software allowing patient names to be transferred into the Corti. Test results may be transferred back to the Data Manager for report generation.

Q: Is the unit data compatible with OZ eSP and HiTrack?

A: Yes the Corti is compatible with both OZ eSP and HiTrack. The data is transferred from the Corti Data Manager directly to the application of choice.

Q: Can the Corti be used in an environment with background noise?

A: It is optimum to use the Corti in a quiet environment. For noisier environments, Corti's unique patented Adaptive Artifact Rejection Algorithm optimizes responses in variable noise. Every sample is categorized and sorted as the data is collected. This method allows data to be collected successfully in higher noise environments, reducing false referrals.

Q: Some testing locations will have many technicians that will use the Corti. How easy is it to use?

A: The four-button operation and color graphic display allows for quick training and fast interpretation. Only three button presses are required to complete testing on two ears, making the Corti one of the easiest OAE instruments on the market.

Q: Can the Corti perform screening evaluations on children with PE tubes?

A: Yes. The Corti can easily test patients with PE Tubes by passing the auto-start function of the instrument. When the auto-start function is bypassed, the instrument will perform the probe calibration and start the evaluation.

Q: Can the screening protocols of the Corti be modified?

A: No. The Corti screener includes two screening protocols offering different averaging times. The remaining screening protocol criteria are fixed.

Q: Can the diagnostic protocols of the Corti be modified?

A: Yes. The existing protocols can be modified to fit individual testing needs. Note that the screening protocols are also provided in the diagnostic Corti unit.

Q: What is the battery life of the Corti?

A: The battery life is 15 hours of continuous on-time. The charge time for a fully depleted battery is 4 hours. For convenience, the optional cradle will charge the unit battery whenever the unit is placed in the optional cradle.

Q: What are the 3 benefits of using of the Corti cradle?

A: When placed in the cradle, the Corti battery will charge the battery and data can be transferred to the PC. In addition, the cradle serves as a convenient storage place for the Corti when not in use. Note that the cradle is optional; charging and data transfer is possible without the cradle.