

Q: What is delivered with all versions of the GSI Novus™?

A: The Novus comes with the device, transducer, charging cradle with power supply, carrying case, HearSIM™ database software, touch screen cleaning cloth, stylus pen, neck strap, USB cable, user manual, and quick guide.

Q: Are there any additional components if the Novus is licensed for ABR?

A: Yes. ABR versions come with the preamplifier cable, hardware Pass-Checker, and electrode lead wires. Supplies required to perform ABR screenings such as NuPrep and a starter kit of disposable snap electrodes are included.

Q: Which screening test methods are available on the Novus?

A: The Novus can perform DPOAE, TEOAE and automated ABR screening and may be licensed in any combination.

Q: What is the cradle used for?

A: The cradle may be used to charge the Novus. It is also possible to perform screenings when the Novus is in the cradle if the battery charge is too low to support testing.

Q: How long does the Novus battery last?

A: A fully charged battery will last for approximately 50 ABR screens and 150 OAE screens depending on test times.

Q: What are the optional accessories?

A: A wireless label printer is available.

Q: What is the Pass-Checker?

A: The Pass-Checker is an accessory that may be used to perform a quality check of a Novus that has the ABR option to ensure the integrity of the electrode lead wires and transducers.

Q: Can I upgrade the Novus at a later date?

A: Yes. Additional screening modalities may be added to the Novus after purchase.

Q: Which age groups can be tested with the Novus?

A: The auditory evoked response (ABR) measurement is intended for newborns and infants up to six months of age. The otoacoustic emissions (DPOAE and/or TEOAE) measurement is intended for use in patients of all ages.

Q: Is it possible to test both OAE and ABR on the same device with the OAE probe?

A: Yes.

Q: What is the Quick Test?

A: The Quick Test allows the user to immediately perform a test without entry of patient demographics. Quick tests are saved temporarily under the patient name of Quick Test. You may save a Quick Test session at a later date by editing the Patient Information.

Q: How many Quick Tests can be stored in the instrument?

A: One patient with multiple tests.

Q: Can I download a list of patient names into the Novus?

A: Yes. Using HearSIM, daily patient lists may be created and downloaded to the Novus.

Q: How many patient files/tests can be stored on the device?

A: The Novus has the capacity to save 250 patients with 50 tests each.

Q: How can I protect patient information and test results on the Novus?

A: Using the HearSIM software, the Novus can be configured to require a password prior to accessing the Home screen.

Q: Can the Novus results be exported to Hi-Track?

A: Yes. HearSIM data may be exported to Hi-Track and other formats such as XML and CSV.

Q: Can I add a name on the device bedside?

A: Yes.

Q: What stimulus is used for the ABR screening?

A: The CE-Chirp[®] is presented into the patient's ear at 35 dB nHL.

Q: What is the optimal electrode placement?

A: For the fastest test results, the electrodes should be placed at the center of the forehead, shoulder or cheek (either side), and nape of the neck.

Q: How does the ABR test work?

A: The Novus uses fast rate auditory brainstem response (ABR) technology to screen patients for hearing loss. A modified click stimulus, the CE-Chirp, is delivered into the patient's ear at 35 dB nHL while electrodes placed on the patient's head measure EEG activity. The EEG is processed and analyzed automatically using the Novus' powerful response detection algorithm. When a response is detected, the screening stops automatically and a Pass result is assigned to the test ear. When no response is detected after 3 minutes of testing, a Refer result is assigned.

Q: What is simultaneous ABR testing?

A: Simultaneous ABR testing means that both ears are tested at the same time resulting in the fastest test times. Simultaneous ABR screening occurs when using the insert earphones with ear tips or ear cups.

Q: What is the stimulus level and frequency range of the TEOAE protocol?

A: Transient otoacoustic emissions (TEOAE) technology uses a click stimulus delivered at 83 dB peSPL divided into 4 bands with center frequencies of 1400, 2000, 2800, and 4000 Hz. A Pass is obtained when 3 of the 4 bands reach an SNR of 4 dB with a minimum amplitude of -5 dB.

Q: What is the frequency range of the DPOAE protocol?

A: DPOAE technology uses pairs of pure tones presented at 65 and 55 dB SPL with test frequencies of 2000, 3000, 4000, and 5000 Hz. A Pass is obtained when 3 of the 4 frequencies reach an SNR of 6 dB with a minimum amplitude of -5 dB.

Q: How can I print the screening test results?

A: Screening test results may be printed directly from the Novus using the wireless label printer. Test results may be transferred to the PC using the HearSIM software and printed to a full size printer.

Q: Can I view completed tests from the Novus?

A: Yes.