

Science **made** smarter

Sera™

Newborn
hearing
screening
made
efficient

The perfect choice
for any newborn
hearing screening
program




Interacoustics

Audiometry

Tympanometry

ABR
~~~~~

OAE  
~~~~~

Hearing Aid Fitting

Balance



The Sera™ OAE & automated ABR screener is based on many years of clinical experience

Sera™

A powerful combination

Fast and efficient
DPOAE, TEOAE
and automated
ABR

Early identification of hearing loss is vital to ensure normal development of a child's speech, language and social competencies.

Efficient newborn hearing screening
With a powerful combination of DPOAE, TEOAE and automated ABR, Sera™ offers the opportunity to easily and quickly detect a potential hearing loss in newborns, making it the perfect choice for any hearing screening program.

It has never been easier to get started
The Sera™ menu and interface are designed for quick and efficient testing. All main assessment functions are accessible from the touch-enabled 'home' screen. You are ready to begin testing after just three button presses and it has never been easier or faster to enter new patient information. Once you have chosen or entered your patient on the device, preparation instructions are displayed for all test types. This ensures consistent and accurate preparation of your patient - every time.

Complete your test in no time
Following the simple on-screen instructions, you can complete your

automated ABR in less than 30 seconds*. OAE screening can also be completed in just seconds, leaving you more time for patient care. Test results are easy to interpret with a clear pass or refer indication.

Designed for use
Sera™ fits comfortably into your hand and with its bumper case and overlay screen, it is well protected from knocks and bumps during every day use. The resistive touchscreen allows you to easily perform tests and enter patient information even when wearing gloves.

Wireless charging and printing
Sera™ comes with a wireless charging cradle ensuring that it is always ready for testing when you are. You can even print results for later review without being plugged in.

Transfer of data
Sera™ comes with its own software module, HearSIM™, for managing patient data and device settings. HearSIM™ is intuitive to use and data is easily transferred from Sera™. While patient data is managed via HearSIM™ the data is stored in the OtoAccess® database.



* Almeida, M.G., Sena-Yoshinaga, T.A., Côrtes-Andrade, I.F., Sousa, M.N.C., & Lewis, D.R. (2014). Automated auditory brainstem responses with CE-Chirp® at different intensity levels. *Audiol Commun Res*, 19(2), 117-123.

Sera™

automated ABR screening

Sera™ helps
reduce test time
with binaural
testing and
its intuitive
workflow

The Sera™ with ABRIS (automated ABR) provides a reliable and easy to interpret pass or refer result – important in any newborn hearing screening program.

Based on knowledge

The Sera™ automated ABR solution builds on extensive clinical research and our many years of experience in ABR testing.

Unique CE-Chirp® stimulus

The trusted and proven CE-Chirp® stimulus significantly reduces your testing time to typically less than 30 seconds* and gives you more freedom to focus on your patient.

Simultaneously test both ears

By using either insert phones or EarCups you can test both ears simultaneously and reduce your test time.

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The intuitive workflow and the large touchscreen make Sera™ fast and easy to operate when testing newborns, even with minimal training.

Reliable automated ABR

The Sera™ default automated ABR protocol provides a reliable result with an algorithmic sensitivity of more than 99.9%.

Optimized for noisy environments

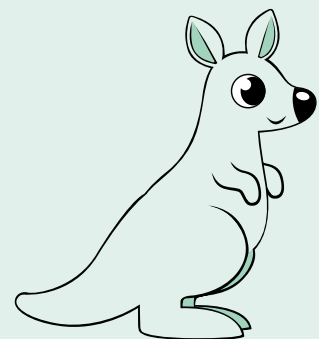
The Sera™ automated ABR algorithm uses weighted averaging technology to combat against noise in the recording. Using the EarCups with Sera™ also helps to reduce noise in challenging testing conditions.

The unique Sera™ pre-amplifier ensures optimum performance in electrically hostile environments.



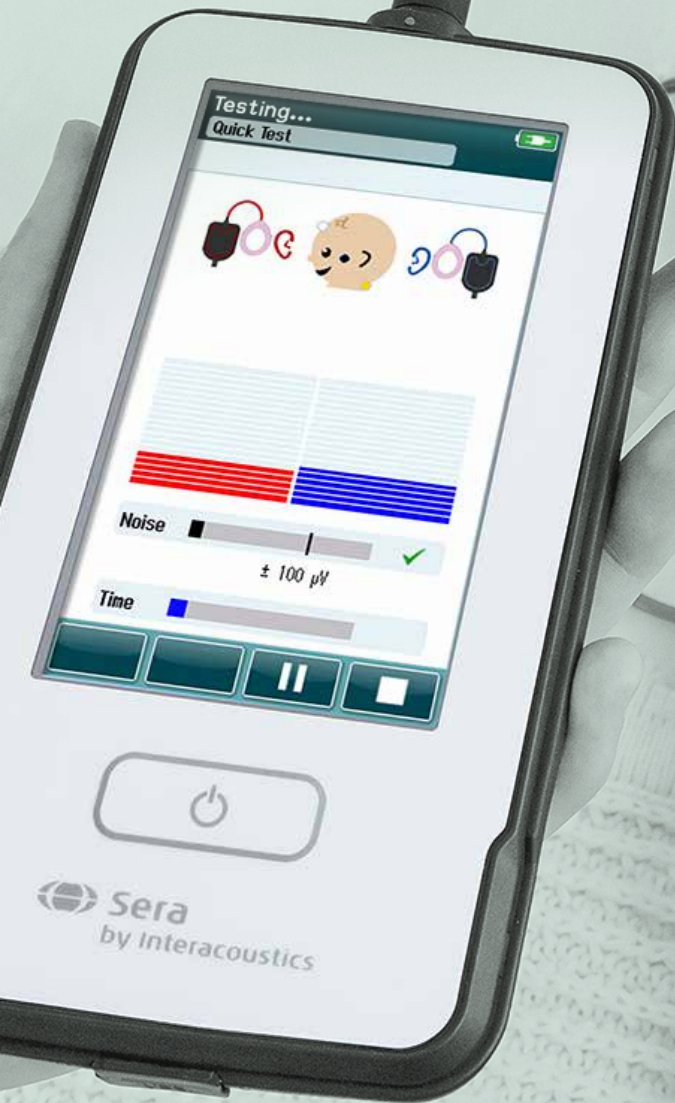
CE-Chirp®

Stimulus compensates for cochlear travel time. The result is a response amplitude up to twice the size compared to a standard click.



* Almeida, M.G., Sena-Yoshinaga, T.A., Côrtes-Andrade, I.F., Sousa, M.N.C., & Lewis, D.R. (2014). Automated auditory brainstem responses with CE-Chirp® at different intensity levels. *Audiol Commun Res*, 19(2), 117-123.

Sera™ ABRIS
- Automated ABR
in typically
less than
30 seconds*





Sera™

OAE screening in seconds



Sera™ offers fast DPOAE and TEOAE screening of newborn babies in an easy to use, handheld device. Place the probe in the baby's ear and a few seconds later clear test results will be displayed.

Designed with care for small ears
Both the SnapPROBE™ for Sera™ as well as the eartips are specifically designed to fit into an infant's ears. Stability of the probe in the ear during measurement is improved, and the filters that protect the transducer against debris are very easy to replace.

Less noise ensures reliable results
A group of dedicated engineers at Interacoustics have perfected the OAE detection algorithms, offering unprecedented reliability in their resistance to noise and other artifacts.

Together with its sleek design and special on-screen user guidance, Sera™ makes sure that you always obtain a proper probe seal.



Feedback

Probe fitting feedback for a proper seal

Probe

SnapPROBE™ designed specifically for infant ears

Noise monitor

Noise monitoring during testing

Intelligence

Intelligent detection algorithm for a PASS or REFER result

Advanced in ear detection ensures a reliable OAE result every time!



Science made smarter

Interacoustics is more than state-of-the-art solutions

Our mission is clear. We want to lead the way in audiology and balance by translating complexity into clarity:

- Challenges made into clear solutions
- Knowledge made practical
- Invisible medical conditions made tangible and treatable

Our advanced technology and sophisticated solutions ease the lives of healthcare professionals.

We will continue to set the standard for an entire industry. Not for the sake of science. But for the sake of enabling professionals to provide excellent treatment for their millions of patients across the globe.

Interacoustics.com

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Go online to
explore our
full product
range

Related products



Eclipse

One platform for AEP, ASSR, VEMP and OAE.



Titan

Tympanometry, OAE, ABRIS and WBT



OtoRead

Handheld DPOAE & TEOAE

Product specifications

All technical and hardware specifications concerning all products can be downloaded from our website.



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