

ABRIST™

- Fast ABR Infant Screening



ABR Screening *precision*

The ABRIST™ auto ABR screening software module runs on the Interacoustics Eclipse platform.

The ABRIST™ software module offers an extremely short test time of typically 20 seconds.

With the ABRIST™ you can enjoy using an extremely fast and reliable ABR screening system, and you can have an immediate and comprehensive OAE or ABR follow up within minutes on babies failing the initial screen, if you also have the EP15/EP25 ABR system or the TEOAE25/DPOAE20 installed on your Eclipse platform.

Gold Standard – without reservation

ABR screening has a reputation as the Gold Standard for neonatal hearing screening. This is because of the typical lower referral rates of ABR compared to OAE and also the advantage of detecting the presence of Auditory Neuropathy. Therefore, ABR has always been very popular for neonatal screening.

The main drawback of ABR screening compared to OAE is test time but Interacoustics has effectively addressed this problem with the ABRIST™ system.

leading diagnostic solutions



Fast Test Time, High Sensitivity and Low Risk

Due to a patented and extremely effective algorithm, a typical test time is approx. 20 seconds per ear. Even more impressive is the fact that this has been achieved practically without running any risk of passing hearing impaired ears - the sensitivity of the system is such, that it can be statistically calculated that thousands of hearing impaired ears will be correctly identified, for each hearing impaired ear that accidentally passes the test.

3 or 4 Electrodes

The ABRIS can be used with either a 3 electrode montage or a 4 electrode montage.

Using the standard supplied EPA4 Preamplifier, a 4 electrode montage must be used, which will allow continued clinical testing with EP15/25 clinical ABR systems when needed, without having to reapply electrodes.

The alternatively available EPA3 uses a three electrode montage.

Database Storage

OtoAccess™ is an easy to use database platform that was developed by Interacoustics. OtoAccess™ comes standard with the ABRIS™.

The database software will retain all records in a secure system that will time stamp the records in the patient file and permit the generation of professional reports and letters. Additional audiometric data like OAE can also be stored in the same database.

General Technical Specifications

System Platform:

The same as EP15/25 ABR system and TEOAE25 screening and diagnostic OAE.

Hardware Platform:

Interacoustics Eclipse platform with USB connection to laptop.

DataBase:

OtoAccess™.

Stimulus:

Click.
93Hz stimulus rate.

Level:

30dBHL, 35dBHL or 40dBHL.

Security:

Password protection of test parameters.

Test time:

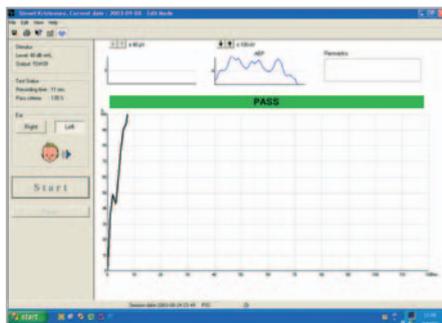
Typically 20 seconds per ear.

Algorithmical Sensitivity:

99.99%.

Specificity:

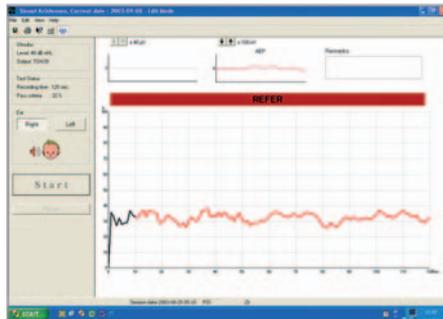
Typically 97%.



A typical Pass



The Eclipse black box.



A typical Refer

Included Parts:

ABRIS™ Software
OtoAccess™ Database Software
Preamplifier EPA4
EARTone ABR Insert Earphones
Eclipse black box
USB and power cables
Operation and CE Manual

Included Parts Kit:

ABRIS™ Software
Operation and CE Manual

Optional Parts:

EPA4 Preamplifier
EPA3 Preamplifier for 3 electrode mounting
EARTone ABR Insert Earphones

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