

## Which issues impact your clinic the most?

- Electromagnetic interference and myogenic artifacts
- Restricted patient movement and positioning
- Costs, inconvenience and risks of sedation
- Multiple appointments - Delayed diagnoses
- Difficulty with Bone Conduction Testing
- Inability to test in ICU and O.R.
- Poor waveform morphology
- Lack of portability
- Lengthy test times



**integrity**<sup>™</sup>  
V500

Auditory Diagnostic System

**Helps Solve  
Common  
Challenges**

**NEW! AUTOMATED ABR *plus*  
DIAGNOSTIC ASSESSMENTS  
together on one platform**

With advanced noise-reduction technology, Integrity<sup>™</sup>V500 provides fast, reliable ABR screening plus diagnostic assessments without the need for sedation, even in challenging environments. Unique, wireless convenience allows newborns to be comforted and carried during testing, if needed.

### NEWBORN HEARING SCREENING

- ▶ Easy, quick, reliable automated ABR results (Pass, Refer, Incomplete)
- ▶ Portable and can be used unplugged at bedside or in NICU
- ▶ Clear, accurate readings reduce false positives and rate of referrals

IF "REFER"

### FOLLOW-UP RE-SCREENING & DIAGNOSTIC TESTING

- ▶ Reliable, timely diagnostics with same system, even as an inpatient
- ▶ Reduces multiple visits, loss to follow-up and time to intervention
- ▶ Can be used in electrically "noisy" environments, e.g. NICU, O.R.
- ▶ Advanced signal processing reduces test time
- ▶ Fewer sedations required
- ▶ Easier Bone Conduction Testing
- ▶ Portability enables teleaudiology in remote locations



UNIQUE  
TECHNOLOGY



FEWER  
SEDATIONS



STATISTICAL  
TOOLS



FLEXIBLE  
CONFIGURATION

Early Hearing Detection  
and Intervention (EHDI)

I-3-6 PROTOCOL  
Easy as 1-2-3

Newborn hearing screening programs confirm the important benefits of incorporating Integrity™ V500 in their standard procedures to meet the early hearing detection and intervention “I-3-6 EHDI Plan”.

These benefits include significant reductions in the need for sedation (and related parent anxiety), improved efficiencies in scheduling, timelier completion of ABR assessments, reduced wait time for outpatient assessments, and the ability to assess more infants prior to discharge leading to immediate intervention.<sup>1</sup>

## UNIQUE ADVANTAGES OF INTEGRITY™ V500

- Based on patented Amplitrode® technology, the **VivoAmp™** provides the latest advances in amplification and prefiltering, which reduce negative contributions from EOG, ECG, EEG and RF in order to provide maximum noise reduction.
- SOAP™** Adaptive Processing, a patented noise-reducing algorithm, based on Kalman Weighted Averaging, cleans electrophysiological signals and ensures exceptional response detection.
- Unique, **VivoLink™ wireless** recording technology, provides freedom of movement and enables caregivers to comfort, hold and stroll with infants during testing.
- Time-saving, simultaneous display of two statistically independent waveforms and built-in statistical tools help to quickly evaluate **waveform repeatability** and residual noise.

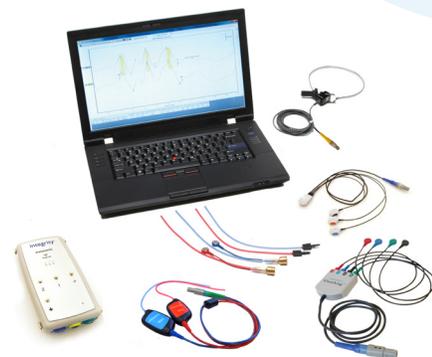
**“Problems previously encountered using traditional ABR systems were largely solved by the wireless technology and superior noise reduction technology. Data collected were cleaner and obtained much faster than with other ABR systems.”**

Dr. J. Sullivan, AuD, MS, CCC-A  
Director, Newborn Hearing Screening Program

## INTEGRITY™ V500

Advanced Technology...Better Outcomes

Scan code to view our video:  
**Introduction to Vivosonic Integrity™ ABR**  
or contact us for a live demonstration.



1. Walker B (2012). Clinical Significance of Advanced ABR Technology for Newborn Hearing Screening Programs.