AUDITORY EVOKED POTENTIALS

vivosonic

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
- ❑ Calibration errors
- ❑ Lengthy test times and artifact rejected sweeps
- ❑ Difficulty with Bone Conduction testing
- ❑ Inability to test in ICU and O.R.
- ❑ Poor waveform morphology
- ❑ Lack of portability

With advanced **noise-reduction technology** and **wireless convenience,**

integrity™ V500

Auditory Diagnostic System

- **Provides clear, reliable assessments** (even in the NICU/O.R.)
- **Reduces the need for sedation**

Innovation for Better Outcomes

ABR SCREENING and DIAGNOSTIC ASSESSMENTS

www.vivosonic.com

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, without the need for traditional artifact rejection.
- Unique, **VivoLink™ wireless** recording technology provides freedom of movement and enables caregivers to comfort, hold and stroll with infants during testing.
- Time-saving technology:
  - Simultaneous display/tools of two statistically independent waveforms quickly evaluate **waveform repeatability** and residual noise.
  - **Calibration files stored in transducers** provides easy interchangeability.

REDUCES THE NEED FOR SEDATION BY 66-92% [1,2]

REDUCES HEALTHCARE COSTS BY UP TO $5,000 USD PER PATIENT [3,4]

AVERAGE TIME FOR ABR ASSESSMENT REDUCED TO 1 HR. 20 MIN. INSTEAD OF 3 HR. [5]

Video: *Introduction to Vivosonic Integrity™ ABR*

Scan code to view our video or contact us for a demonstration:

sales@vivosonic.com
+1 (416) 231-9997
Toll Free (USA/Canada): 1 (877) 255-7685

1. Hall JW III, Sauter T (2010). Clinical Experience with New Technology For Recording Un-Sedated ABRs.
2. Sebzda JM (2010). Pediatric ABR testing without sedation? Is it possible?
3. Cone B, Norrix LW. University of Arizona. "Measuring the Advantage of Kalman-Weighted Averaging for Auditory Brainstem Response Hearing Evaluation in Infants". American Journal of Audiology, May 22, 2015. doi:10.1044/2015_AJA-14-0021, 2015.
4. Cone B, Dean J, Norrix L, Velenovsky D (2013). Innovations in the Electrophysiologic Assessment of Infant Hearing: Cost Model.
5. Walker B (2012).Clinical Significance of Advanced ABR Technology for Newborn Hearing Screening Programs.

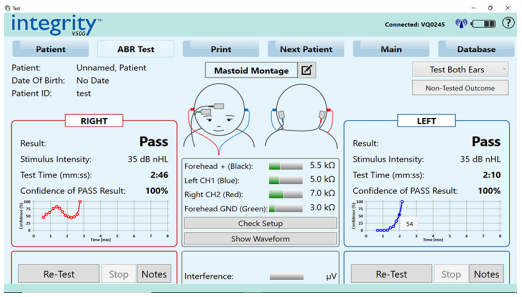
RECENTLY ADDED FEATURES

integrity™ V500
Auditory Diagnostic System

UPDATED ASSR

- **New, More Convenient User Interface**
- **Time-Saving Confidence Options**
- **Manual Detect**
- **Ability to have Frequency Test as Single/Bundled/Off**
- **Up to 4 Tests in a Test Session Record**

ABR SCREENER



- **Moving Average Confidence Display**
- **Montage Confirmation of Electrode Setup**
- **Display Waveform**
  - Show waveform with norms, as if collected with Diagnostic ABR

PLUS

- **DPOAE Improvements:**
  - Minimum stimulus level of 30 dB and improved handling of probe errors
  - New OAE Probe with foam disposables and replaceable nose
- **Help Button (?):** Access to User Manuals and Learning Library Videos from any screen
- **Troubleshooting Guide in Learning Library**
- **B81 Bone Conductor:** Higher output with lower distortion

NEW FEATURES FROM EARLIER RELEASES:

- **Convenient Patient Data Entry**
- **Improved Noise Handling**
- **Fsp and SNR** (In addition to Correlation Coefficient)
- **Waveform Smoothing** (Choice of 4 levels)
- **Up to 50 traces and Complete Assessment on a Single Record**
- **Table of Interaural Differences** (For ABR, MLR and LLR)
- **Cortical Mid-Latency and Late-Latency Response with CV-Amp**
- **Two-Channel System, with One-Channel Mode to Deal with Extra Noise**
- **Frequency Specific VF Chirp** (Conforming to IEC 60645-3: 2020 Standard)
- **6 and 8 kHz ABR Testing** (Using ER-2 Insert Earphones and TDH-39 (H-801) Headphones)

Check out the latest features!

https://bit.ly/integrity-latest-features

integrity Latest Features

vivosonic
The Benefits of Sound Technology

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CUSTOMIZABLE SYSTEM

Perform Screening and Diagnostic ABR, ECochG, Cortical AEP, ASSR, VEMP*, DPOAE and TEOAE Testing

The Integrity™ V500 ABR System is well suited for infant and special needs patients, and also works well for adult diagnostics in less than perfect test conditions. Our unique technology provides excellent performance in electrically noisy environments, even with awake but calm and quiet patients. The wireless patient module sends test data to the clinician's PC up to 30 ft. away and provides safe physical distancing or patient mobility when necessary. The Integrity™ is portable and well suited for teleaudiology applications.

STANDARD COMPONENTS

All Integrity™ V500 (ABR, OAE, Automated ABR) Systems include:

VivoLink™ Wireless Interface Module with Pediatric Shoulder Strap, Laptop Computer, Carrying Case, Battery Charger, 2 sets of custom battery packs, Integrity™ V500 User's Manual, Database Software Module, and Learning Library.

Also included in all Integrity™ Systems with

ABR / ECochG / ASSR

- VivoAmp™ with Snap-Clip Electrodes for G2 System
- ER3-C Insert Earphones
- B81 Bone Conductor
- ECochG Lead Cable for VivoAmp™
- Starter set of disposables including Ear Tips and Electrodes

Also included in all Integrity™ Systems with

OAE

- Vivosonic General-use OAE Probe
- Probe Holder
- Probe Cleaning Tool Set
- Ear Tip Set

Also included in all Integrity™ Systems with

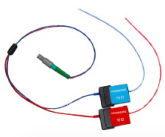
Automated ABR (Screening)

- Automated ABR Screening License
- Alligator Clip Lead Set and Snap-Clip Lead Set for VivoAmp™
- VivoTab™ Electrodes

Base ABR / ECochG Integrity™ V500 System

OPTIONAL ACCESSORIES

TDH-39 headphones are an alternative to the ER-3C earphone inserts, plus provide high-sensitivity, low distortion and a wide, smooth frequency response up to 8,000 Hz.



ER-2 Insert Earphones for high-frequency ABR testing at 6 and 8 kHz to identify 1) hearing loss from ototoxicity in infants and young children, and 2) high-frequency hearing loss in older children and adults.

The CV-Amp is for Cortical MLR/ LLR and VEMP* testing, and is supplied with a set of leads with reusable gold cup electrodes.

* VEMP For Clinical Research – Not an indicated use

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