vivosonic

integrity™ V500

Auditory Diagnostic System

Check out the exciting new features in our latest software release!

View video: https://bit.ly/Version_89

UNIQUE, WIRELESS, NOISE-REDUCTION TECHNOLOGY

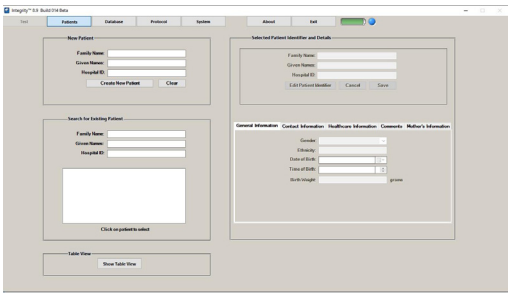
AWAKE / NON-SEDATED ABR

CLINICAL TOOLS & SUPPORT

FLEXIBLE CONFIGURATION

NEW!
Software Version 8.9

Enhancing Your Convenience Even More



Convenient Patient Data Entry Screen

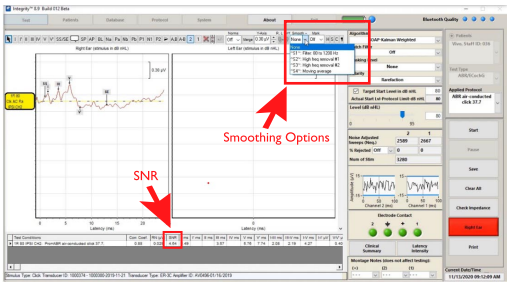
- Convenient data entry format
- Quickly enter new patient information or call up existing patient from database
- Switch to classic Table View any time

Waveform Smoothing Options

- Option to apply one of 4 levels of smoothing filters after signal processing according to user preference
- Smoothing level indicated in waveform handle

Signal-to-Noise Ratio

- Assess signal quality with the Signal-to-Noise ratio display
- Calculated based on waveform as seen on screen; changes with smoothing level applied



Improved Noise Handling

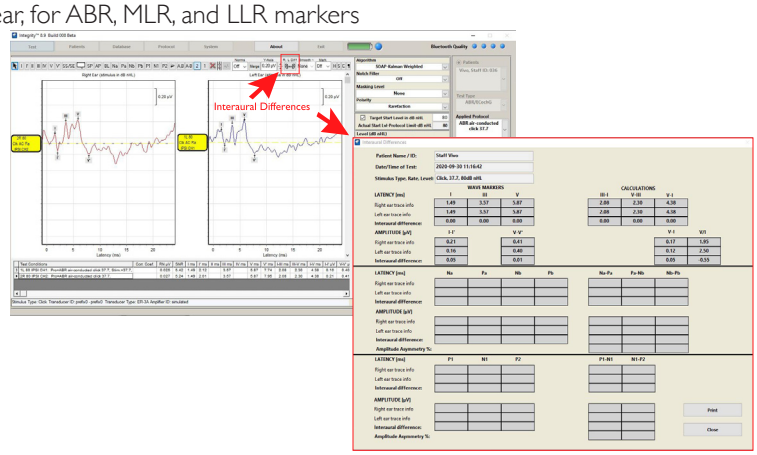
- Enhanced noise handling ability to ensure reliable results in high noise environments

Artifact Rejection levels on Test Screen

- Conveniently select Artifact Rejection levels from Test Screen and apply to any algorithm used

Interaural Differences

- Table of amplitude and latency differences between right and left ear, for ABR, MLR, and LLR markers
- Aids clinical diagnosis



ABR Impedance Values

- ABR Impedance values included in test record

Choice of Waveform Nomenclature

- Option to choose standard or UK / NHSP Nomenclature
- Cortical MLR markers (Na, Pa, Nb, Pb)

Export ABR Waveforms

- Export ABR waveforms in addition to the test results

OTHER NEW FEATURES FROM RECENT RELEASES:

- Frequency Specific "VF Chirp"
- Cortical Mid-Latency and Late-Latency Response with CV-Amp
- Addition/Subtraction of Waveforms
- Waveform Sorting
- 6 and 8 kHz ABR Testing using ER2 Insert Earphones

integrity™ V500
Auditory Diagnostic System

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.

IMPROVED CLINICAL EFFICIENCY

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]

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. 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.

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vivosonic
The Benefits of Sound Technology

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