

BERA Diagnostic Test (IHS-Duet Evoked Potentials)		
1	Evoked Potentials	: ECochG, ABR, MLR, LLR/CAEP, SN10, Chained Stimuli ABR, eABR, P300, MMN, FFR, cABR, cVEMP, oVEMP, ASSR
2	Gain:	5,000 - 200,000 (adjustable)
3	High Pass Filter:	0.1 - 300 Hz, (adjustable) -6 dB/Oct, -24 dB/Oct @ 70 Hz
4	Low Pass Filter:	30 - 5,000 Hz (adjustable) -6 dB/Oct, -24 dB/Oct @ 500 Hz
5	Artifact Rejection Level	Adjustable: 0-100%, and any region within the analysis time window
6	Input Impedance	> 10 MOhms
7	Electrode Impedance	Measuring frequency: 1,000 Hz Measuring range: 1 - 25 kOhms
8	EP STIMULUS	<p>Stimulus:</p> <p>Clicks, Tones, Broadband iChirp and Narrowband / Octave Band iChirps, Complex, Speech, and user-defined files</p> <p>Stimulus duration:</p> <p>Defined in μsec or cycles</p> <p>Click: 100 μs default (adjustable)</p> <p>Tones and user files:</p> <p>up to 500 ms (adjustable), up to 4 seconds using AARM</p> <p>Stimulus Envelopes:</p> <p>Rectangular, Blackman, Exact Blackman, Cosine, Cosine Squared (Hanning), Cosine Cubed, Extended Cosine (Rise/fall time), Triangular (Bartlett), Trapezoidal (Rise/fall time), Gaussian</p> <p>Stimulus presentation:</p> <p>Continuously or only while acquiring Rarefaction, Condensation, or Alternating polarity</p> <p>Stimulus Rate:</p> <p>0.1 - 200 per second, (dependent on stimulus duration)</p> <p>Rates > 200/s available in CLAD</p> <p>Stimulus Output:</p>
9	P300	<p>Stimulus Presentation Options</p> <p>2-4 stimuli random</p> <p>50/50 sequential or random</p> <p>Reject or accept common after odd</p> <p>Optional stimulus jitter by percentage</p> <p>Trigger-out with custom offset timing</p>
10	Masking	<p>Level: up to 125 dB SPL Frequency Response: Flat to 20kHz (transducer limits determine roll off) Types: Specific or relative to stimulus level.</p> <p>Contralateral or Ipsilateral. White Noise or Notched Noise. SAL</p>

11	TRANSDUCERS	ER-3C Insert Earphones, ER-2 Insert Earphones:, DD45 Headphones:, B81 Bone Conductor,B71 Bone Conductor, ER-10D OAE Probe, High Frequency Transducers: Intensity: up to 100 dB SPL (up to 140 dB SPL at some frequencies)
12	ASSR	Gain: 100,000 High Pass Filter: 30 Hz Low Pass Filter: 300 Hz Stimulus: Clicks, Tones, Broadband iChirp and Octave Band iChirps, and user-defined files Simultaneous testing of both ears Test up to four frequencies per ear Frequencies: 250, 500, 1000, 2000, 4000, and 8000 Hz
13	DPOAE	Modes: DP OAE, DP I/O Function Stimulus: 2 Pure Tones, user defined start, end and F2/F1 ratio 375 - 12,000 Hz, Standard 375 - 16,000 Hz, High Frequency Levels: 65/55 SPL (user defined L1, L2, 0-80 dB SPL) Response Points per Octave: 1-10 (user defined), up to 41 frequencies per DP Gram Frequency Analysis (FFT) points: 4096 FFT Frequency Resolution: 9.8 Hz Standard, 15.6 Hz High Frequency Acquisition Time: 102.24 ms

14	COMPUTER REQUIREMENTS	<p>Operating System: Windows 10 or Windows 11</p> <p>Hardware Required: Minimum 8 GB RAM Minimum 5 GB hard drive space Mouse or other pointing device 1 USB Port</p> <p>Display: 900 pixels minimum vertical resolution, Full HD recommended</p> <p>Power Supply: Grounded, 3-prong power supply, Compliant with IEC 60950</p> <p>External Storage: Removable media, network drive, or secure Internet storage site for data backup (recommended)</p> <p>Printer: Software includes PDF printing capabilities, hardware printer optional</p>
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