

Table 1. Test protocol for measurement of frequency-specific auditory brainstem response elicited with click and tone-burst stimuli (see Hall, 2007 for detailed review and rationale for each parameter in the test protocol).

Stimulus Parameters

Transducer	Insert (ER-3A earphones)
Polarity	Alternating (rarefaction can also be used)
Ramping	Blackman
Duration	
Click	0.1 ms
Tone burst	2 cycles – 0 cycles – 2 cycles
Presentation rate	
Click	21.1/sec
Tone burst	27.7/sec
Intensity	Variable from maximum to 0 dB nHL
Number of stimuli	Variable depending on the size of the response and the amount of electrical and myogenic noise (the signal-to-noise ratio)

Acquisition Parameters

Electrode Sites	
Non-inverting	Fz (high forehead)
Inverting	Ai (earlobe of stimulus ear)
Common	Ground electrode on low forehead
Electrode Types	Re-usable metal or disposable electrodes
Filter settings	30 to 3000 Hz

Notch filter Off

Analysis Time

15 ms (click and 4000 Hz tone burst)

20 ms (lower frequency tone bursts)

Pre-stimulus Time

- 1 ms

Sweeps

Variable depending on the size of the response and the amount of electrical and myogenic noise (the signal-to-noise ratio)
