

1 ABOUT THIS QUICK GUIDE



This Quick Guide is not meant to replace the operation manual. Reading the entire operation manual prior to operating the device is mandatory!
Some of the following functions may vary by the individual settings made.

2 PREPARATION FOR TESTING

A quiet room is best for hearing screening.

- ✓ Close the door to outside noise.
- ✓ Ask others to stop talking.
- ✓ Turn off audio on TV, radio, etc.
- ✓ Move away from acoustic noise sources (e.g., air conditioners, crying babies).

Electromagnetic Interference Can Cause Problems During ABR Measurement.

- ✓ Turn off nearby cell phones, tablets, computers, and monitors.
- ✓ Be aware of sources of electrical interference and avoid them if possible.

Is the Timing Right?

- ✓ The longer you can wait to screen a newborn, the higher the likelihood of a **PASS** result. Avoid testing before 12 hours after birth.
- ✓ Screening is most successful when the baby has just been fed and is sleeping comfortably.

Connect Electrodes to the Lead Wires



- ✓ Connect each of the 3 electrode lead wires to one of the disposable electrodes.

Install the EarCup or EARturtle



- ✓ Connect the black adapter at the end of the red and blue insert earphone tubes into the hole in the EarCup foam until they are fully inserted.



- ✓ To use EARturtle, replace the black adapter at the end of the red and blue insert earphone tubes with the EARturtle adapter.
- ✓ Insert the EARturtle adapter into the opening at the top of the EARturtle and attach the clip of the adapters to keep them in place.

Prepare the Baby

- ✓ Use NuPrep to clean the baby's skin at the electrode sites (**forehead, cheek, nape of neck**) rubbing it into the skin 10-15 times.
- ✓ Wipe the NuPrep off the skin and dry the areas.

Apply Electrodes



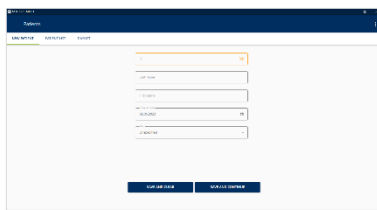
- ✓ Place the electrodes on the skin following the graphic shown on the preamplifier:
 - **Yellow** electrode wire – **forehead**
 - **Black** electrode wire – **cheek**
 - **White** electrode wire – **nape**
- ✓ Press around the entire surface of each electrode to achieve good adhesion.

Apply EarCups



- ✓ Place the EarCup or EARturtle around the baby's ears. Follow this scheme:
 - The **Red** insert earphone must be placed on the **Right** ear.
 - The **Blue** insert earphone must be placed on the **Left** ear.
- ✓ Press around the entire edge of foam to achieve good adhesion all around.

3 BEGIN THE SCREENING



Add Patient

- ✓ Create a **NEW PATIENT** or select a patient from the **PATIENT LIST** or the **DAYLIST**.

Is the Patient Ready?

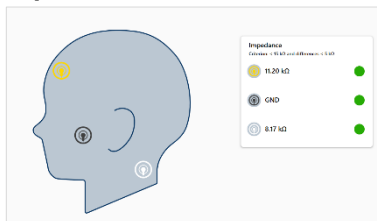
- ✓ Wait to begin the test until the patient is settled and quiet.

Begin the Screening

- ✓ Press **SAVE AND CONTINUE** or **CONTINUE** to start the screening.
- ✓ Select **LEFT EAR**, **RIGHT EAR** or **BINAURAL**.
- ✓ Press **START TEST** to start the screening.

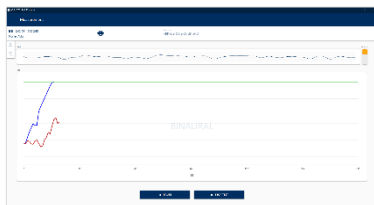
4 THE SCREENING PROCESS

Impedance Check



- ✓ The contact of the electrodes to the skin (impedance) is checked.
- ✓ The status of each electrode is indicated by the colors:
 - **Green** = good impedance
 - **Orange** = impedance criteria not met
- ✓ If any circles are yellow, you must improve the impedance.
 - Check the electrode is contacting the skin at the prepared site and again press around the entire surface of the electrode.
 - Remove the electrode and re-prepare the skin at that location; reapply the electrode, use a new electrode if needed.
- ✓ When the impedance is acceptable for all electrodes, the test starts automatically.

ABR Measurement



- ✓ During the test, a measurement diagram is displayed with progress line(s):
 - **Red** = right ear, **blue** = left ear.
 - **Green line** on the top of the diagram = Pass Criterion
 - Test time is displayed horizontally from 0 s to 180 s.
- ✓ Artifacts occur in case of electromagnetic interferences or high activity:
 - **Noise bar** = Orange
 - Pause the test to calm down the baby and ensure good test conditions.
- ✓ Possible test results:
 - **PASS** = Pass Criterion was reached within the test time.
 - **REFER** = Pass Criterion was not reached within the test time.
 - **INCOMPLETE** = test was stopped; depending on settings, a reason for stopping may have to be selected.
- ✓ **Reduced test time (option)**: a box is displayed in the diagram. The measurement ends after 120 s, if the test line has not reached more than 60 %.

5 POST TEST OPTIONS

Printing

- ✓ Press and select the measurements to print directly from the MB 11 Software.
- ✓ Printing can also be possible from connected software after transfer.

Manual Tracking Export (Only With MAICO Center)

- ✓ If automatic tracking is enabled in the settings, no further action is needed.
- ✓ Press and **Manual tracking** to open the **Test export** screen.