

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 Recording 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.
- ✓ The skin needs to be clean and free from lotion, cream or oil from the bath.

Prepare the Baby



- ✓ Massage a pea-size drop of electrode gel 10-15 times into the skin at each of the 3 electrode sites.
- ✓ The mastoid electrode is placed below the ear, the ground electrode above the ear, and the vertex electrode is placed on the forehead at the hairline.
- ✓ Make sure that the gel areas remain separate from each other. You can ensure this by massaging the gel in parallel lines at the 3 sites.

Apply Gel to Electrodes

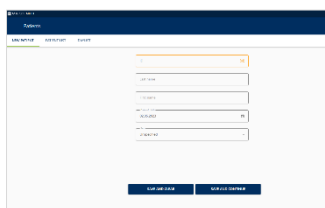
- ✓ Place a small drop of the electrode gel on the top of each of the BERAphone® electrodes.

Place the BERAphone®



- ✓ First position the mastoid electrode below the ear. Then lower the other two electrodes into place making sure to achieve good contact with the prepared skin sites.
- ✓ Depending on the size of the baby's head, the position of the BERAphone®'s vertex electrode can be adjusted by rotating the electrode.
- ✓ Make sure that the ear cushion of the BERAphone® surrounds the ear, touching the skin around the entire circumference with no gaps between the skin and the cushion.
- ✓ Do not apply pressure to the BERAphone® on the baby's head. Support it in place only to maintain the position of the electrodes on the prepared skin.

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?

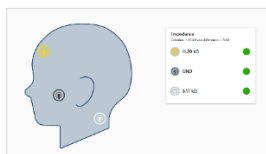
- ✓ Wait to begin the test until the patient is settled and quiet.

Begin the Screening

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

4 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.