

MB 11 BERAprone®

Excellence in Newborn Hearing Screening

Fast and Baby-friendly screening

The MAICO MB 11 BERAprone® offers a fast automated ABR screening test for newborns. The patented BERAprone® includes speaker, electronics and measuring electrodes in one unit. The cushioned earpiece and the reusable electrodes allow testing without adhesive disposables, thus making it more comfortable for the baby. If a response at 35 dB nHL is detected and verified, the test result is PASS.

The patented CE-Chirp®

The CE-Chirp® stimulates all regions of the cochlea at the same time and thus generates much higher responses and faster results than a standard click. This leads to very reliable results under normal noisy conditions.

Features at a glance

- Fast and automated ABR-screening, reliable results within seconds
- Unique BERAprone® with integrated electrodes saves costs for disposables
- Automatic impedance check ensuring precise and clear signal conditions
- Export patient details and test data for tracking purposes
- Stimulation level at 35 dB nHL
- USB connection for power supply and data transfer

 CE-Chirp® inside



Technical Data

MB 11 BERAphone®

Dimensions / Weight	120 mm x 93 mm x 30 mm / 142 g
Display	Test result (Pass, Refer or Abort), test diagram with line towards PASS, signal quality or EEG, traffic light for impedance test
Languages	English, German, Spanish, French, Italian, Dutch (Belgium), Turkish, Hungarian, Russian, Chinese, Japanese
PC interface	USB
Power supply	USB-Port 5V DC max. 400 mA

Cradle

Dimensions / Weight	119 mm x 160 mm x 74 mm / 270 g
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BERAphone®

One Channel	3 reusable stainless-steel electrodes
Gain	69.6 dB
CMR Ratio	>110 dB at 80 Hz
Transducer	Integrated dynamic speaker (8 Ω)
Dimensions / Weight	160 mm x 87 mm x 60 mm / 285 g

ABR

Stimuli	CE-Chirp®
Stimulus rate	~90 /s
Stimulus level	35 dB nHL
Test mode	monaural
Impedance test	Automatic pre-test
Test duration	16 s to 180 s
Artifact rejection level	100 µV

Computer Requirements

Type	2 GHz or more
RAM	Minimum 1 GB
Hard Disk	Minimum 10 GB free disk space
Interface	USB 1.1, 2.0 or 3.0
Display	Min. resolution 1280 x 1024 or higher
Graphic card	Direct X9 with WDDM 1.0 or higher
Operating System	Windows 7 32/64-bit Professional Windows 8 32/64-bit Pro Windows 10 32/64-bit Pro

Standards

ABR	IEC 60645-7, Type 2
Safety	IEC 60601-1, Type BF
EMC	IEC 60601-1-2
CE 0123	according to Medical Device Regulation (EU) 2017/745, Class IIa

Standard Components

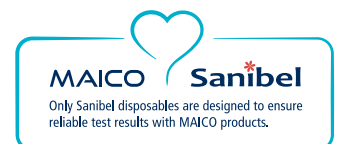
- MB 11 Box with BERAphone®
- Cradle
- Set of replacement electrodes
- Electrode gel
- Carrying case
- PC Software
- USB cable

Optional Components

- Label printer

Sanibel

We highly recommend to use Sanibel disposables in order to guarantee optimal test results.



BERAphone®
with cradle



MB 11 Box



Electrode gel



Carrying case

Specifications are subject to change without notice.

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