The NEW GSI Corti™ is a portable, battery-operated diagnostic and screening instrument that measures Otoacoustic Emissions (OAE) for the assessment of cochlear function in infants, children and adults. Offering the ability to rapidly screen newborns, the Corti meets world-wide recommended screening protocols and provides full diagnostic OAE testing. Maximum flexibility and speed is the Corti standard with pre-defined and user-defined protocols for Distortion Product Otoacoustic Emissions (DPOAEs) and Transient Evoked Otoacoustic Emissions (TEOAEs).

Product Features

**Fast**
- **Quick Testing**: Test an ear as quick as 8-16 seconds\(^1\)
- **Unique Ear Tip Tubes**: Eliminates the need to clean the probe and minimizes the negative effects of debris and venix in the ear canal

**Easy**
- **User Interface**: Four button operation and color coded text ensures fast testing with minimal training
- **Test Results**: Easy to interpret graphic and tabular results
- **Bluetooth Printing**: Simplifies operation and eliminates unsightly and confusing cables

**Accurate**
- **Background Noise**: The unique noise management technology increases test accuracy in noisy conditions reducing false referrals
- **Auto Start**: Pretest evaluation insures testing conditions are ready, improving test accuracy

**Reliable**
- **Long Battery Life**: 15 hours of run time, with as little as 4 hours charging time
- **Serviceability**: Designed for durability, required for portable systems used in demanding clinical environments
- **Non-Volatile Memory**: Data is protected and saves the last test results even when the battery is fully discharged

**Flexible**
- **Flexible Protocols**: Standard protocols can be modified to meet multiple clinical requirements
- **Powerful Database**: Easy data transfer for review and reporting, compatible with EMR, Oz and HiTrack requirements, infant name/ID download to Corti
- **Reimbursement**: DP Protocols meet current US CPT code reimbursement requirements
- **PE Tube Testing**: Patients with PE tubes can be evaluated by OAE
- **Multi-Patient Testing**: Capable of storing 250 test results

---

1: Assumes DPOAE screening with 2-4 second averaging
Technical Specifications

**Measurement Types**

**Screening and Diagnostic Testing**

- **DPOAE:** 1.5 to 12 kHz, 40 to 70 dB SPL
- **TEOAE:** 0.7 to 4 kHz, 83 dB SPL

**Handheld Unit**

- **Display:** Color OLED display
- **User Input:** 4-button operation
- **Connectors:**
  - Micro-USB for charging and communication
  - HDMI for probe
- **Communication to PC:** Micro-USB
- **Languages:** English, German, Spanish, French, Polish, Russian, Italian, Turkish, Portuguese, Chinese

**Probe**

- **Connector:** HDMI
- **Probe design:**
  - Integrated microphone and receivers in probe head
  - Calibration data stored on probe
- **Cable length:** Minimum 40”
- **Microphone Noise:** -13 dB SPL @ 1 kHz (1 Hz bandwidth)
- **Ear tips:** Single use disposable ear tips

**Cradle (Optional)**

- **Operation:** Provides PC Database communication and charging

**Data**

- **Test memory:** 250 tests on unit
- **Patient names:** 100 names or medical ID# on unit
- **Database:** Microsoft® Access. Export to PDF, RTF, XLS, XLSX, Image files

**Printer (Optional)**

- **Type:** Thermal Dot Matrix
- **Power:** 7.4 V lithium battery or mains power, 100 -240V, 50/60 Hz
- **Paper width:** 2.25”
- **Communication:** Bluetooth
- **Print Modes:** Full print out, print graph only, print data only, print Pass/Refer only

**Power**

- **Battery:** 3.6 V rechargeable lithium ion
- **Battery Life:** 15 hours on time
- **Charge Time:** 4 hours to 100%

**Accessories**

- **Standard:** Hand-held unit, Probe, Micro USB charging cable for charger and database, Database software and micro USB connector, Disposable ear tip kit and tubes, User Manual, Quick Guide, Calibration Certificate
- **Optional:** Cradle, Printer, Carry Case, Ear Tips, Replacement Cables, Replacement Probe

**General Standards**

- **IEC/EN 60601-1** Medical electrical equipment – Part 1: General requirements for basic safety and essential performance - 3rd Edition
- **IEC/EN 60601-1-2** Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral standard: Electromagnetic compatibility
- **UL 60601-1** Medical Electrical Equipment, Part 1: General Requirements for Safety
- **CSA C22.2 # 601-1-M90** Medical Electrical Equipment, Part 1: General Requirements for Safety
- **IEC 60645-6** Electroacoustics - Audiometric equipment - Part 6: Instruments for the measurement of otoacoustic emissions