Advanced Bionics, LLC

Founded in 1993, Advanced Bionics is a global leader in implantable, high-technology neurostimulation devices for the treatment of deafness. AB is dedicated to improving the quality of life for hearing-impaired individuals through the application of advanced technology and the delivery of high-quality products and services. As the only American cochlear implant manufacturer, AB is committed to offering lifetime services and support for our recipients.
# Table of Contents

- HiRes 90K® Surgical Products .................................................. 4–5
- HiFocus® 1j Electrode ................................................................. 6–7
- HiFocus Helix® Electrode ............................................................. 8–9
- MRI Materials ............................................................................. 10
- Educational Materials ................................................................. 11
HiRes 90K Surgical Kit
Product No. CI-8160
This kit includes a template for the HiRes 90K implant, the Surgeon’s Manual as well as a surgical DVD, the BTE marking template, the recess gauge, the recess marking template, and the coil gauge.

HiRes 90K Surgeon’s Tool Kit
Product No. CI-4500
The kit contains all the reusable surgical templates required for the HiRes 90K implant. It includes 2 BTE marking templates, 2 recess marking templates, 2 recess gauges, and 2 coil gauges.

HiRes 90K BTE Marking Template
Product No. CI-4420
This reusable template helps determine placement of the BTE sound processor on the patient’s ear, which enables the surgeon to determine the location for the incision and implant placement.

HiRes 90K Recess Marking Template
Product No. CI-4430
This reusable template is used to verify that the bone bed placement is a minimum of 3.5 cm away from the posterior canal wall to avoid implant interference with the use of the BTE sound processor.
HiRes 90K Coil Gauge  
Product No. CI-4340  
This reusable metal gauge is used for sizing of the bone bed and/or skin flap or pocket for the HiRes 90K implant.

HiRes 90K Recess Gauge  
Product No. CI-4330  
This reusable gauge is used to size the bone bed for proper diameter and depth of the HiRes 90K implant.

HiRes 90K Mock-up  
Product No. CI-4425  
The single-use silicone mock-up, provided sterile in a peel pack, is used to determine the proper fit and placement of the HiRes 90K implant and electrode fantail before opening the sterile tray that contains the actual implant. (Please note: This item is provided in the implant box.)

HiResolution Bionic Ear System Sterilization Tray  
Product No. CI-4502  
The Surgical Tool Tray is designed to house reusable Advanced Bionics surgical tools and templates needed for surgery.

Explant Return Kit  
Product No. 5093145  
The Explant Return Kit is to be used when returning an explanted device to Advanced Bionics. It includes a sample container, instructions on how to package the device, packaging material and a prepaid airbill.
HiRes 90K® Cochlear Implant with HiFocus 1j Electrode
Product No. CI-1400-01

The HiRes 90K implant with HiFocus 1j Electrode preloaded in a plastic insertion tube and an optional metal insertion tube are provided in a sterile tray. In addition, a sterile HiRes 90K implant silicone mock-up, device registration and operative report form, and device labels are enclosed in the implant box.

HiFocus 1j Electrode Instrument Kit
Product No. CI-4504

This kit is used for the insertion of the HiFocus 1j Electrode. It includes 2 HiFocus 1j Electrode insertion tools, 2 cochleostomy sizing gauges, and 2 metal insertion tubes.

HiFocus 1j Electrode Insertion Tools
Product No. MMT-6111

This reusable tool is used to insert the HiFocus 1j Electrode into the cochlea. It must be used with either the Plastic Insertion Tube (MMT-6135) or the Metal Insertion Tube (AB-6135) to advance the electrode array into the cochlea.

Cochleostomy Sizing Gauge
“Plastic Tube Gauge”
Product No. AB-7120

This reusable gauge is used to size the cochleostomy when using a plastic electrode insertion tube for the HiFocus 1j Electrode.

Electrode Claw Tool
Product No. CI-4252

The reusable Claw Tool is used after electrode insertion to stabilize the electrode array in place while removing the insertion tool.
Explant Return Kit  
Model No. 5093145

The Explant Return Kit is to be used when returning an explanted device to Advanced Bionics. It includes a sample container, instructions on how to package the device, packaging material and a prepaid airbill.

Plastic Insertion Tube (3 each)  
Product No. MMT-6135

The single-use plastic tube is used for the insertion of the HiFocus 1j Electrode once mounted onto the Electrode Insertion Tool. This item is not provided in a sterile pack when purchased separately. (Please note: The HiFocus 1j Electrode is preloaded in a plastic insertion tube and provided in the sterile tray with the implant.)

Metal Insertion Tube (2 each)  
Product No. AB-6135

This is an alternative to the plastic insertion tube for the HiFocus 1j Electrode. It allows use of a 1.5 mm cochleostomy and is designed for single use only. This item is not provided in a sterile pack when purchased separately. (Please note: One metal insertion tube is provided in the sterile tray with the implant.)
HiFocus Helix® Electrode

**HiRes 90K® Cochlear Implant with HiFocus Helix Electrode**  
Product No. CI-1400-02H

The HiRes 90K implant with HiFocus Helix Electrode preloaded on the stylet assembly, insertion tool handle, and HiFocus Helix reloading tool are provided in the sterile tray. In addition, a sterile HiRes 90K implant silicone mock-up, device registration and operative report form, and device labels are enclosed in the implant box.

**HiFocus Helix Electrode Instrument Kit**  
Product No. CI-4501

These reusable tools are needed for implanting the HiFocus Helix Electrode. It includes 2 cochleostomy sizing gauges with an oval tip of 1.2 mm x 1.6 mm and 2 electrode claw tools.

**HiFocus Helix Cochleostomy Gauge**  
Product No. CI-4345

The oval tip of the reusable gauge measures 1.2 mm x 1.6 mm and it is used to size the cochleostomy for HiFocus Helix Electrode insertion.

**Electrode Claw Tool**  
Product No. CI-4252

The reusable Claw Tool is used after electrode insertion to stabilize the electrode array in place while removing the HiFocus Helix insertion tool.
HiFocus Helix Electrode Training Kit  
Product No. CI-4503

This kit is designed for practicing HiFocus Helix Electrode insertions. It includes a plastic cochlea model, an insertion tool, a claw tool, 4 blue training electrodes, a reloading tool, a HiRes 90K implant silicone mock-up, and the Surgeon’s Manual and DVD.

HiRes 90K Mock-up  
Product No. CI-4425

The single-use silicone mock-up, provided sterile in a peel pack, is used to determine the proper fit and placement of the HiRes 90K implant and electrode fantail before opening the sterile tray that contains the actual implant. (Please note: This item is provided in the implant box.)

HiFocus Helix Insertion Tool Backup Kit  
Product No. CI-4506

This single-use kit is provided as a sterile backup set of insertion tools for the HiFocus Helix Electrode. The kit contains one stylet assembly with a protective plastic sheath, one insertion tool handle, and one electrode reloading tool with instructions for insertion and reloading.

Note: Check for availability in your country.
Magnetic Resonance Imaging (MRI) for the HiRes 90K® Cochlear Implant  
Product No. 9050050003

This is a guide for MRI use with the HiRes 90K implant, including instructions for magnet removal and replacement.

HiRes 90K Replacement Magnet  
Product No. CI-1412

The Replacement Magnet is provided in a sterile peel pack. It is used when a patient has had the original magnet removed for MRI. The Magnetic Resonance Imaging (MRI) for the HiRes 90K Insert (Document No. 9050050003) is included.

HiRes 90K Magnet Insert Dummy  
Product No. CI-1410

The single-use Insert Dummy is used in cases where the HiRes 90K Magnet is removed for an extended period of time to allow for MRI. The titanium dummy, provided in a sterile peel pack, is used to fill the cavity that houses the Magnet. This prevents fibrous tissue growth in the cavity. The Magnetic Resonance Imaging (MRI) for the HiRes 90K Insert (Document No. 9050050003) is included.
HiRes 90K® Surgeon’s Manual for HiFocus Helix® and HiFocus® 1j Electrodes
Product No. 9055112-002

This surgical manual contains recommended techniques for implanting the HiRes 90K implant with either the HiFocus Helix Electrode or HiFocus 1j Electrode.

HiRes 90K Surgical DVD for HiFocus Helix and HiFocus 1j Electrodes
Product No. CI-8167

The Surgical DVD shows recommended techniques for implanting the HiRes 90K implant with either the HiFocus Helix Electrode or HiFocus 1j Electrode.

HiRes 90K Practice Cochlea Model and Base
Product No. CI-4600

This is a plastic model of a Human Cochlea Scala Typmani used for practicing electrode insertion.

Demo Kit with HiRes 90K Implant and Auria® Harmony® Sound Processor
Product No. CI-6140-004

This HiRes 90K Demo Kit is used for patient counseling. It includes a HiRes 90K demo implant and Auria Harmony BTE Sound Processor demo.