LOCalizer™

Surgical Probe

Instructions for Use

R_x ONLY

Manufactured for:
Health Beacons, Inc.
383 Lowell Rd.
Concord, MA 01742
Phone: (978) 254-6500

ML-0008 Rev 04

COMPLIANCE WITH STANDARDS

When used with the LOCalizer Reader, the Surgical Probe complies with IEC60601-1 requirements for type B applied part and meets electromagnetic compatibility requirements of IEC60601-2.

INTERFERENCE

This device complies with part 15 of the FCC rules.
Operation is subject to the following two conditions:

1 This device may not cause harmful interference, and
2 This device must accept any interference received, including interference that may cause undesired operation.

The user is responsible to maintain FCC compliance.
Any changes or modifications not expressly approved by Health Beacons Inc. could void the user's authority to operate the equipment.

Use the LOCalizer Surgical probe only with a LOCalizer Reader and Tag.

The LOCalizer Reader is MR Unsafe. Keep away from magnetic resonance imaging (MRI) equipment.

SYMBOLS

Symbol	Description
	Use by Date
YYYY-MM-DD	Expiration date is represented by the following: YYYY represents the year MM represents the month DD represents the day
	Manufacture Date
	Caution
	Follow instructions for use
	Do NOT use if package is damaged
	Do NOT resterilize
	Single use only
R_x ONLY	U.S. Federal law restricts this device to sale by or on the order of a physician
STERILE R	Sterilized using irradiation
	Manufacturer
REF	Catalog Number
LOT	Batch Code
	Type B Equipment
MR	The LOCalizer Reader is MR Unsafe. Keep away from magnetic resonance imaging (MRI) equipment.

DESCRIPTION

RFID Localization System

The Tag Applicator, LOCalizer™ Reader and LOCalizer Surgical Probe are components of the RFID Localization System. The Tag is intended to be placed in breast tissue, within 6 cm of the breast surface, using the Tag Applicator. The Tags, when used in conjunction with the LOCalizer Reader and LOCalizer Surgical Probe, can be used as a guide for the surgeon to follow in the excision of tissue.

RFID Localization System (RFLS) components are listed below:

System Component	Description	Part Number
LOCalizer Reader	RFID Reader	HB100
LOCalizer Surgical Probe	Attachment probe for use with LOCalizer RFID reader	HB110
Tag Applicator	Needle applicator with preloaded RFID Tag	HB200-XX* HB300-XX*

* XX indicates the length of the applicator needle in cm. Contact distributor for available sizes in your area.

The LOCalizer Instrument Drape (HB120) is provided separately for use with the LOCalizer Reader in a sterile environment.

LOCalizer Surgical Probe

The LOCalizer Surgical Probe is a sterile, single patient use hand-held attachment that, when used with the LOCalizer Reader, can locate and read embedded Tags up to a depth of 3 cm within a surgical incision. The Surgical Probe is approximately 175 mm long and 8 mm in diameter (***Figure 1***).

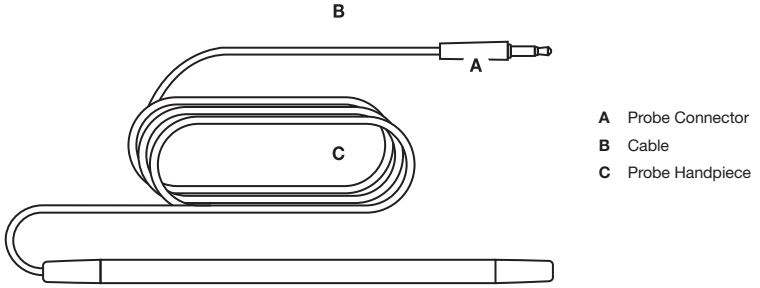


Figure 1. LOCalizer Surgical Probe

INDICATIONS FOR USE

The Tag of the RFLS is intended for percutaneous placement in the breast to mark (>30 days) a lesion intended for surgical removal. Using image guidance (such as ultrasound or radiography) or aided by non-imaging guidance (RFLS), the RFID Tag is located and surgically removed with the target tissue.

The RFLS is intended only for the non-imaging detection and localization of the Tag that has been implanted in a lesion intended for surgical removal.

CONTRAINDICATIONS

The RFID Localization System is not intended for use under conditions where breast lesion localization is contraindicated.

The RFID Localization System is not intended for use in the heart, eyes, brain or spinal cord.

The Tag should not be placed in a tissue site with clinical evidence of infection.

The Tag should not be placed in muscle tissue.

WARNINGS

The Surgical Probe is designed only for use with the LOCalizer Reader and Tags.

If any resistance is felt during advancement of the Surgical Probe, carefully correct the orientation but never apply strong forces in order to overcome the obstacle.

When using the Surgical Probe intraoperatively, avoid touching or moving the Tag with the Surgical Probe.

The Surgical Probe has been designed for SINGLE USE only. Reusing this medical device bears the risk of cross-patient contamination. The residue of biologic material can promote the contamination of the device with pyrogens or microorganisms which may lead to infectious complications.

DO NOT RESTERILIZE. After sterilization, the sterility of the product is not guaranteed because of an indeterminable degree of potential pyrogenic or microbial contamination which may lead to infectious complications. Cleaning, reprocessing and/or re-sterilization of the present medical device increases the probability that the device will malfunction due to potential adverse effects on components that are influenced by thermal and/or mechanical changes.

Do NOT use if the package is open or damaged.

Use the Surgical Probe prior to the expiration date shown on the product label.

The LOCalizer Reader is a non-sterile device. Drape with the sterile LOCalizer Instrument Cover (Product HB120) when using in a sterile environment. Do NOT sterilize the LOCalizer Reader as sterility cannot be guaranteed. Cleaning, reprocessing and sterilization of this LOCalizer Reader could cause the LOCalizer Reader to malfunction due to adverse effects on components.

PRECAUTIONS

This product should only be used by a physician who is completely familiar with the indications, contraindications, limitations, typical findings and possible side effects of using a system for lesion localization that employs a marker at the site of the lesion and a reader for marker retrieval.

Do NOT use the Surgical Probe if it is damaged.

Handle the Surgical Probe in a manner that will prevent accidental contamination.

After use, the Surgical Probe is a biohazard. Dispose in accordance with your facility's biohazardous waste procedures.

Do NOT immerse the Surgical Probe in liquid.

ADVERSE REACTIONS

None known.

HOW SUPPLIED

The LOCalizer Surgical Probe is provided sterile and is intended for single patient use only. The Surgical Probe is not made with natural rubber latex.

STORAGE

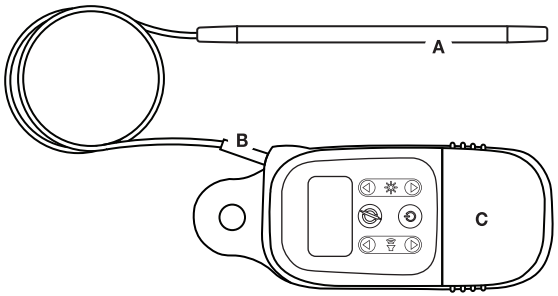
Store at ambient temperature 15˚ to 30˚C (59˚ to 86˚F)

DIRECTIONS FOR USE

NOTE: These instructions are NOT meant to define or suggest any medical or surgical technique. The individual physician is responsible for the proper procedure and techniques to be used with this product.

1. Prepare the LOCalizer Reader for use (see details in Reader / System Manual).
2. Inspect the packaging of the Surgical Probe to ensure that package integrity has not been compromised. The product is sterile unless the seal is broken or the expiration date has passed.
3. Using standard aseptic technique, open the package and remove the Surgical Probe (***Figure 1,*** **A**).
4. Uncoil the cable. Align the Probe Connector with the LOCalizer Reader receptacle (***Figure 1,*** **B**) through the sterile Instrument Cover and insert the connector firmly.

   NOTE: The Probe Icon (***Figure 2***) will illuminate on the LOCalizer Reader screen to verify proper connection.



A Surgical Probe
B Probe Connector
C LOCalizer Reader

Figure 1. LOCalizer Reader with connected Surgical Probe (Instrument Cover not shown)

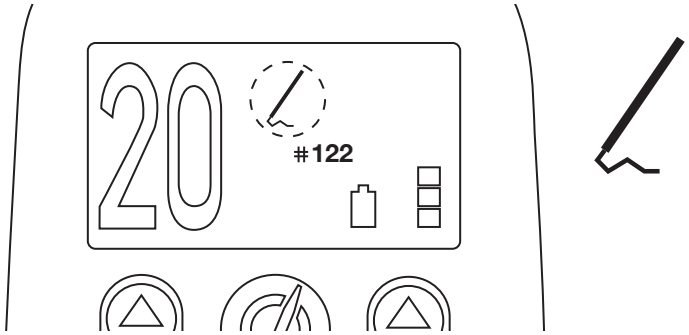


Figure 2. Active Probe Icon

5. Follow the LOCalizer Reader steps in initiation and allow the Surgical Probe to complete a self-test. If the self-test is successful, the Surgical Probe is ready for use.
6. Use the Surgical Probe intraoperatively as frequently as needed to determine the location of and distance from the implanted Tag.

   The Probe produces an audio tone that increases in pitch and volume as it gets closer to the Tag while the distance is displayed on the Reader in millimeters. Refer to LOCalizer Reader instructions for additional device operation.