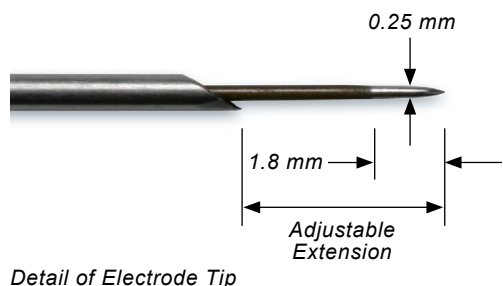
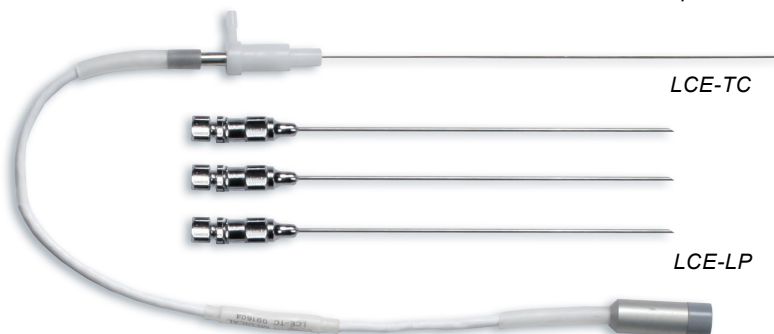


LCE Electrode and Spinal Needle

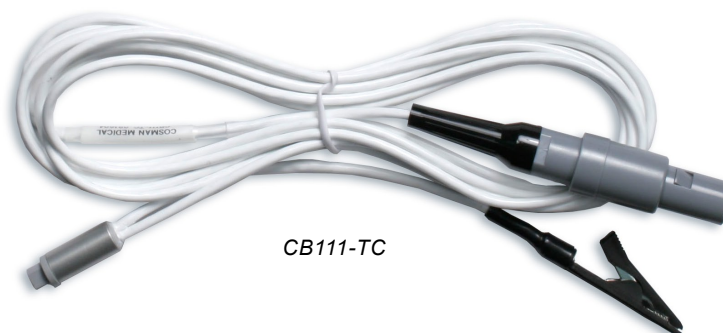


Detail of Electrode Tip



LCE-TC

LCE-LP



CB111-TC

The LCE Kit is used for percutaneous cervical rf cordotomy in the treatment of pain related to cancer. It was designed by Dr. Allan B. Levin, M.D. and Dr. Eric R. Cosman, Ph.D. Its LCE-TC Thermocouple Electrode has a sharpened exposed tip having 0.27 mm tip diameter and 1.8 mm tip length and having a built-in TC thermocouple temperature sensor. The small rf tip can produce a discrete lesion volume in the lateral spino-thalamic tract, and the in-dwelling TC sensor gives added quantitative control of the rf heating process. The LCE-TC Electrode also has the LCE-SC Sizing Clamp on its hub to allow adjustability of the rf tip extension beyond the tip of the introducing LCE-LP Spinal Needle (shown in the figure). The LCE Kit comes with three LCE-LP Spinal Needle and stylet sets, each having a 20 gauge, 3.5 inches long shaft and 30 degree bevel point. The CB111-TC Cable connects the LCE-TC Electrode to the Cosman RFG-1A or RFG-1B RF Lesion Generator, and it has an reference cable with alligator clip for connection to the LCE-LP Needle if desired.

LCE Kit Components

- LCE-TC**, TC Electrode with LCE-SC Sizing Clamp;
- LCE-TC-T**, Tube for LCE-TC;
- LCE-LP**, (three each) Spinal Needle Sets;
- CB111-TC**, TC Cable with alligator clip reference connection;
- LCE-CASE**, Case for storage and sterilization*.

LCE-R Kit Components

Same as the LCE Kit but with the C111-TC Cable for the Radionics RFG-3C Plus RF Lesion Generator (instead of the CB111-TC Cable).



LCE Kit

* The LCE-Kit can be flash autoclaved or ETO sterilized.