



Radiofrequency Electrodes

Key Features

- Embedded thermocouple for real-time temperature readings and reliable temperature control
- Reuseable electrodes available in stainless steel and kink-resistant nitinol
- Stainless steel disposable option available
- Color coded to easily identify length

Compatibility^{1,2}

Each electrode model is designed to function with a corresponding length of cannula (e.g., 10 cm electrode with 10 cm cannula). (Refer to the Radiofrequency Cannulas section.)

These electrodes are designed for use with all Abbott radiofrequency generators.

Note: Disposable electrodes require the use of an adapter cable. (Refer to the Adapter Cables section.)

TECHNICAL SPECIFICATIONS

DESCRIPTION	MATERIAL	LENGTH	COLOR	DIAMETER
Disposable Radiofrequency Electrode	Stainless Steel	Available in the following lengths (cm): 5, 10, 15, 20	5 cm: Green 10 cm: Blue 15 cm: Yellow 20 cm: Orange	0.44 mm (all lengths)
Reuseable Radiofrequency Electrode	Nitinol	Available in the following lengths (cm): 5, 10, 15, 20	5 cm: Green 10 cm: Blue 15 cm: Yellow 20 cm: Orange	0.41 mm (all lengths)
Reuseable Radiofrequency Electrode	Stainless Steel	Available in the following lengths (cm): 5, 10, 15, 20	5 cm: Green 10 cm: Blue 15 cm: Yellow 20 cm: Orange	5 or 10 cm length: 0.41 mm 15 or 20 cm length: 0.46 mm

Simplicity™ Probe



Key Features

- A customized solution for sacroiliac joint denervation
- Three independent electrodes create a strip lesion with a single insertion point providing greater anatomical coverage in less time³

Compatibility^{1,4}

The Simplicity™ Probe is compatible with the following Abbott radiofrequency generator models: IonicRF™ Generator, NT2000iX™ Pain Management RF Generator and NT1100™ Pain Management RF Generator.

A reuseable adapter cable is required (Model Number: AC-SI-III).

TECHNICAL SPECIFICATIONS

DESCRIPTION	MATERIAL	LENGTH	DIAMETER
Simplicity™ III Disposable Radiofrequency Electrode	Stainless Steel, 90% Platinum/10% Iridium, Hysol Epoxy, Polyester Heat Shrink	16.31 cm (electrode not including handle)	0.18 cm



Radiofrequency Cannulas

Key Features

- Comprehensive gauge and active tip offering to service a variety of procedure types
- Color coded to easily identify gauge
- Offered in SMK™, Classic and Select Line (SL). Premium SL cannulas have a spray-applied white polyester insulation to create a smooth transition between the active tip and insulation. Additionally, the SL cannulas are silicone treated to substantially reduce penetration and running forces.⁵

Compatibility⁶

Use the corresponding radiofrequency electrode with the radiofrequency cannula. Using the wrong electrode/cannula combination may result in inaccurate temperature readings.

TECHNICAL SPECIFICATIONS

DESCRIPTION	MATERIAL	CANNULA LENGTH (CM)	ACTIVE TIP LENGTH (MM)	GAUGE	HUB COLOR
Select Line (SL) Radiofrequency Cannula – Curved and Straight	Spray-applied white polyester insulation MDX/hexane (silicone wipe)	5, 10, 15	5, 10	18, 20, 22	22 GA: Black 20 GA: Yellow 18 GA: Pink
Classic Radiofrequency Cannula – Curved and Straight	Standard shrink-wrapped insulation	5, 10, 15, 20	5, 10, 15	16, 18, 20, 22	22 GA: Black 20 GA: Yellow 18 GA: Pink 16 GA: Purple
SMK™ RF Needle – Curved and Straight	Spray-applied white polyester insulation	5, 10, 15	2, 5, 10	18, 20, 22	22 GA: Black 20 GA: Yellow 18 GA: Pink

Adapter Cables

DESCRIPTION	MODEL NUMBER
Adapter Cable – Simplicity™ III Disposable Radiofrequency Electrode (reuseable)	AC-SI-III
Adapter Cable – NT Generator to NT Disposable Electrode, UK	DACUK-NT

1. Abbott. IonicRF™ Generator Clinician's Manual. Plano, TX. 2020.
2. Abbott. Disposable Radiofrequency Electrode Clinician's Manual. Plymouth, MN. 2019.
3. Schmidt PC, Pino CA, Vorenkamp KE. Sacroiliac Joint Radiofrequency Ablation With a Multilesion Probe: A Case Series of 60 Patients. *Anesth Analg*. August 2014;119(2):460-462.
4. Abbott. Simplicity™ III Disposable Radiofrequency Electrode Clinician's Manual. Plymouth, MN. 2019.
5. NeuroTherm Inc. RF SL/SMK Silicone Concentration Validation. Doc. VR-083. 2012.
6. Abbott. Disposable Radiofrequency Cannula Clinician's Manual. Plymouth, MN. 2019.

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Disposable RF Cannula Rx Only

Indications for Use: Abbott Medical Disposable Radiofrequency Cannulas are intended for use in temperature-controlled radiofrequency lesion procedures for the relief of pain.
Warnings/Precautions: Sharp. Single use only. Not for re-use, not for reprocessing, not for intrathecal use. Do not re-sterilize. Use the corresponding radiofrequency electrode with the radiofrequency cannula. Avoid inserting a radiofrequency cannula to the point where the hub comes in contact with the skin. Refer to warnings in the RF generator manual. User's Guide must be reviewed for detailed disclosure.

Simplicity™ III Disposable Radiofrequency Electrode Rx Only

Indications for Use: The Abbott Medical Simplicity™ III Disposable Radiofrequency Electrode is intended for use in the treatment of chronic pain by the ablation of neural tissue.
Warnings/Precautions: Sharp. Single use only. Not for re-use, not for reprocessing, not for intrathecal use. Do not re-sterilize. Do not use if package is open or damaged. Do not use if electrode damage is

observed. Do not bend or reshape the electrode. Use minimal force and torque when manipulating the electrode. Before starting any thermal treatment with the electrode, ensure no motor nerves are in the vicinity of the electrode. Stop if heat is felt at site of the grounding pad. Do not proceed unless the device reads body temperature when connected and inserted into the patient. Do not move the electrode while it is activated. Always ensure that the electrode does not enter any of the sacral foramen and that the electrode does not proceed inferior to the inferior border of the sacrum. Ensure the most proximal contact on the electrode is not too close to the dermis to prevent skin burn. General Anesthesia not recommended. The electrode should only be used with an Abbott Medical RF generator. User's Guide must be reviewed for detailed disclosure.

Disposable RF Electrode Rx Only

Indications for Use: Abbott Medical Radiofrequency Electrodes are intended for use in temperature-controlled radiofrequency lesion procedures for the relief of pain. These are single-use-only products.
Warnings/Precautions: Sharp. Single use only. Not for re-use, not for reprocessing, not for intrathecal use. Do not re-sterilize. Do not use if package is open or damaged. Do not use if device damage is observed. Always ensure that the correct length RF needle is used. Before starting any thermal treatment with this device, ensure no motor nerves are in the vicinity of the probe. Do not move device while activated. Stop if heat is felt at site of the grounding pad. Do not proceed unless the device reads body temperature when connected and inserted into the patient. User's Guide must be reviewed for detailed disclosure.

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