

**stryker®**  
**INTERVENTIONAL PAIN**

**N50** *Lesion Generator*



*A minimally invasive pain treatment device  
providing long-lasting, targeted pain relief*

## Sterilization

All reusable TC electrodes and the connecting cables can be sterilized as follows:

Steam Sterilization up to 134°C

Gas Sterilization up to 70°C

Plasma Sterilization up to 45°C



**Sterilization case**



**Patient Plates**



**Patient Plate Connecting Cables**

## HF Lesion

High Frequency Coagulation can be carried out with **Power** or **Temperature Control**

**Timer**- accurately times the duration of lesioning.

**Temperature Control** precisely measures lesion temperature.



**A minimally invasive  
pain treatment device...**

## Electrodes

Available in both Lightweight and Heavy Duty lengths of 50, 100, and 150mm

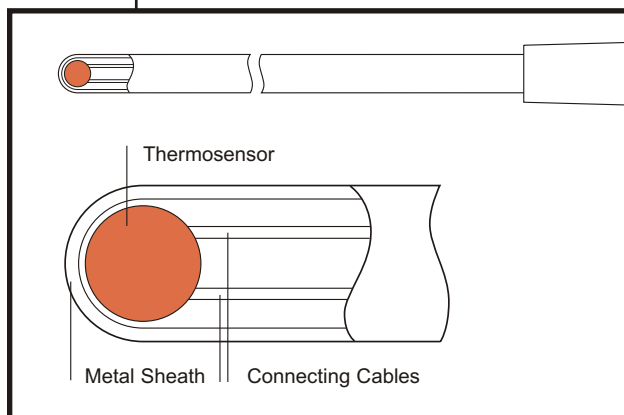


## Construction

TC electrodes consist of a metal sheath, which is equipped with a non-abrasive insulating layer. A thermosensor is built into the electrode tip, which measures the temperature in the surrounding tissue and transmits it to the **N50**.

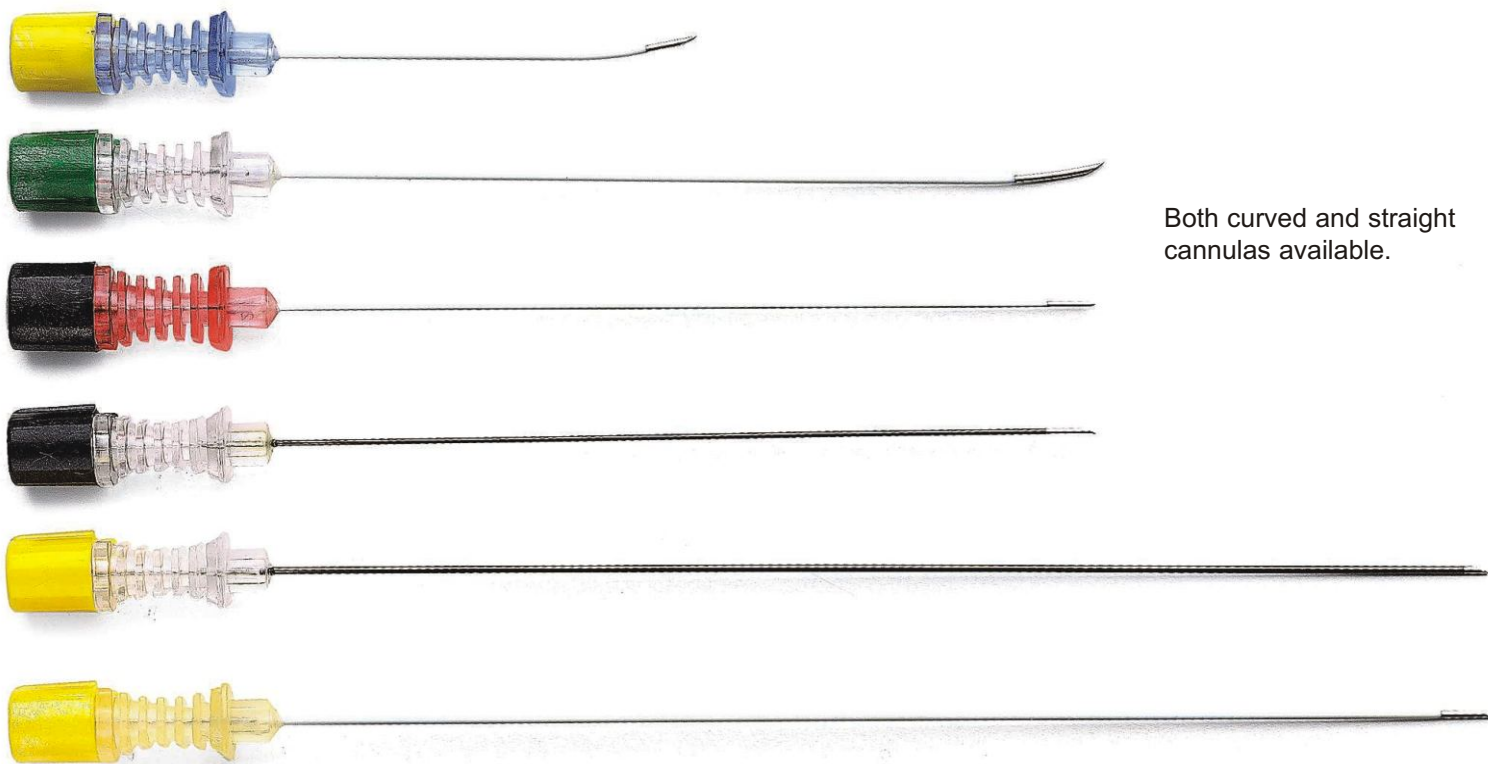
## Function

The desired coagulation temperature is preselected and introduced into the body via a TC electrode. High-frequency energy passes through the surrounding tissue; the preselected temperature is reached and kept constant throughout the coagulation procedure.



Electrode construction

## Cannulas



Both curved and straight cannulas available.



**N50****Radiofrequency Lesion Generator****N50 Device**

PART #	ITEM
0406-600-000	N-50 RF Lesion Generator

**Electrodes**

PART #	ITEM	DESCRIPTION
0406-610-005	Heavy Duty Electrode	TCU 405, Heavy Duty
0406-610-010	Heavy Duty Electrode	TCU 410, Heavy Duty
0406-610-015	Heavy Duty Electrode	TCU 415, Heavy Duty
0406-610-105	Lightweight Electrode	TCU 405, Lightweight
0406-610-110	Lightweight Electrode	TCU 410, Lightweight
0406-610-115	Lightweight Electrode	TCU 415, Lightweight

**Straight Cannulas**

PART #	ITEM	DESCRIPTION
0406-620-020	Cannula, 50mm length	TCU 405, 22 Gage, 7.5 mm, active tip, disposable
0406-620-110	Cannula, 100mm length	TCU 410, 22 Gage, 2.5 mm, active tip, disposable
0406-620-115	Cannula, 100mm length	TCU 410, 22 Gage, 5.0 mm, active tip, disposable
0406-620-125	Cannula, 100mm length	TCU 410, 22 Gage, 10 mm, active tip, disposable
0406-620-215	Cannula, 150mm length	TCU 415, 22 Gage, 5.0 mm, active tip, disposable
0406-620-310	Cannula, 150mm length	TCU 415, 20 Gage, 2.5 mm, active tip, disposable
0406-620-315	Cannula, 150mm length	TCU 415, 20 Gage, 5.0 mm, active tip, disposable
0406-620-325	Cannula, 150mm length	TCU 415, 20 Gage, 10 mm, active tip, disposable
0406-620-335	Cannula, 150mm length	TCU 415, 20 Gage, 15 mm, active tip, disposable

**Curved Cannulas**

PART #	ITEM	DESCRIPTION
0406-630-015	Curved Cannula, 50mm length	TCU 405, 20 Gage, 5.0 mm, active tip, disposable
0406-630-020	Curved Cannula, 50mm length	TCU 405, 20 Gage, 7.5 mm, active tip, disposable
0406-630-110	Curved Cannula, 100mm length	TCU 410, 20 Gage, 2.5 mm, active tip, disposable
0406-630-115	Curved Cannula, 100mm length	TCU 410, 20 Gage, 5.0 mm, active tip, disposable
0406-630-120	Curved Cannula, 100mm length	TCU 410, 20 Gage, 7.5 mm, active tip, disposable
0406-630-125	Curved Cannula, 100mm length	TCU 410, 20 Gage, 10 mm, active tip, disposable
0406-630-135	Curved Cannula, 100mm length	TCU 410, 20 Gage, 15 mm, active tip, disposable
0406-630-215	Curved Cannula, 150mm length	TCU 415, 20 Gage, 5.0 mm, active tip, disposable
0406-630-220	Curved Cannula, 150mm length	TCU 415, 20 Gage, 7.5 mm, active tip, disposable
0406-630-225	Curved Cannula, 150mm length	TCU 415, 20 Gage, 10 mm, active tip, disposable
0406-630-230	Curved Cannula, 150mm length	TCU 415, 20 Gage, 12.5 mm, active tip, disposable
0406-630-235	Curved Cannula, 150mm length	TCU 415, 20 Gage, 15 mm, active tip, disposable

**Accessories**

PART #	ITEM	DESCRIPTION
0406-650-100	Heavy Duty Connecting Cable	3m, for Heavy Duty electrodes
0406-650-105	Lightweight Connecting Cable	3m, for Lightweight electrodes
0406-650-200	Patient Plate Connecting Cable	3m, for Patient Plate
0406-650-205	Neutral Electrodes	Patient Plate, Self-adhesive
0406-650-300	Footswitch	3 m cable
0406-650-400	Sterilization container	Selective Denervation Set
0406-650-410	Sterilization container	DREZ Lesion and Trigeminal Neuralgia sets

**stryker®**  
**INTERVENTIONAL PAIN**

For more information, contact your  
 local Stryker sales representative.

1000-737-000 Rev. A

4100 East Milham Ave  
 Kalamazoo, MI 49001  
 (269) 323-7700  
 (800) 253-3210

# N50 Lesion Generator

## Summary

*The N50 Lesion Generator is a universal device for all coagulation techniques used for minimally invasive pain treatment and neurosurgery. The programmed temperature control allows controlled lesion making, since the lesion size can be defined and reproduced. All functions are monitored, which assures maximum safety and operating comfort. All adjustments and procedures can be printed out with connected PCs and printers to document each operation.*

*Pain relief is achieved by the controlled heating of the area surrounding the electrode tip. A thermosensor in the probe prevents overheating during coagulation.*

## Procedures

- Stereotaxy
- Dorsal Root Entry Zone (DREZ) Lesions
- Percutaneous Chordotomy
- Peripheral Neuralgia
- Facette Denervation
- Rhizotomy
- General high frequency surgery connected with intra-operative stimulation

## Procedural Benefits

- Easy on patient
- Controlled lesioning
- Ability to utilize the same cannula for different procedures
- Rapid recovery period

## Device Benefits

- Impedance Control
- Ease of Use
- Temperature-controlled coagulation using high-frequency energy
- Minimally invasive pain treatment

## Impedance

Tissue impedance is measured and displayed before, during, and after coagulation.

## Stimulation

Confirms the planned position of the tip in both motor and sensor stimulation frequencies.

**Pulse Mode** provides greater control of lesion generation.



## HF Lesion

High Frequency Coagulation can be carried out with **Power** or **Temperature Control**

**Timer**- accurately times the duration of lesioning.

**Temperature Control** precisely measures lesion temperature.

## Display/Controls

Show settings and operating status.

**Power Control** accurately measures both amperage and voltage.



A minimally invasive  
pain treatment device...

...providing long-lasting,  
targeted pain relief.