

OptiSense™ 1699

Model 1699

Atrial, Bipolar Pacing Lead
1.1 mm Tip-to-Ring Spacing



SPECIFICATIONS

Building on the high standards of its predecessors in the Tendril™ lead family, the OptiSense™ lead (model 1699) features a unique tip-to-ring spacing of 1.1 mm designed to reduce far-field ventricular sensing which may improve atrial sensing.

CONFIDENCE IN THERAPY & DIAGNOSTICS

With innovative far-field signal reduction technology, the OptiSense™ lead effectively reduces inappropriate mode switching thereby maintaining A-V synchrony. Clarified atrial sensing provides accurate atrial diagnostics and therapies.

MORE OPTIONS FOR TARGETED LEAD PLACEMENT

Targeted lead placement is increasingly common as physicians seek ways to pace the heart more physiologically. Placing an atrial lead too close to the ventricle could result in far-field R-wave oversensing and inappropriate therapy and diagnostics. In reducing far-field ventricular signals, OptiSense lead technology allows for more options in atrial lead placement.

HIGH PERFORMANCE

Shorter Tip-to-Ring Spacing

The tip-to-ring electrode spacing for the OptiSense™ lead is 1.1 mm. This exclusive lead technology is designed to reduce ventricular oversensing, while maintaining near-field P-wave sensing. Accurate sensing reduces inappropriate mode switching, maintaining A-V synchrony.

Excellent Fluoroscopic Visibility

The tip design provides easy verification of helix extension/retraction. A main part of the housing material on the tip is constructed of titanium, which is transparent on fluoroscopy. Radiopaque markers underneath the housing make it possible to verify helix extension/retraction.

Silicone Insulation with Fast-Pass™ Coating

The OptiSense lead, like its predecessors, uses silicone insulation with Fast-Pass™ molecular coating on the outside of the lead, facilitating lead insertion through the introducer and the veins.

Multiple Lengths

For atrial placement, OptiSense leads are available in three different lengths (40, 46 and 52 cm), providing the flexibility to choose the best length for each individual patient.

Thin Lead Body Diameter

The OptiSense lead body diameter is only 6.2 F, thus it can be inserted using a 7 F introducer. This small size provides ease of passage, facilitates small venous puncture and preserves venous space.

Lower Thresholds with Steroid Elution

The OptiSense lead is a steroid-eluting lead that uses a monolithic controlled release device (MCRD). The steroid plug is designed to reduce tissue inflammation at the lead/tissue interface. It also promotes low stimulation thresholds.

Reduced Polarisation with Titanium Nitride Fractal Coating

The tip and ring electrodes of the OptiSense leads are coated with titanium nitride (TiN). TiN fractal coating is designed to promote precise sensing and to provide improved contact with the myocardium.

Only From

 ST. JUDE MEDICAL

OptiSense™ 1699 Atrial, Bipolar Pacing Lead, 1.1 Tip-to-Ring Spacing

MODEL NUMBER 1699 TC

SPECIFICATIONS

Minimum Introducer Size	7 F
Type of Lead	Transvenous, screw-in, atrial, bipolar, steroid
Lead Connector	IS-1 Bipolar
Lead Lengths	40, 46 and 52 cm
Fixation Mechanism	Extendable/Retractable helix (3 facet)
External Lead Body Diameter	0.081"/2.1 mm (6.2 F)
Tip-to-Ring Spacing	1.1 mm
Lead Tip Electrode (Cathode)	Active titanium nitride-coated Pt/Ir helix (2 mm extension)
Tip Electrode Surface Area	7 mm ²
Ring Electrode (Anode)	Titanium nitride coated Pt/Ir ring
Ring Electrode Surface Area	17 mm ²
Mapping	Capable with titanium nitride-coated Pt/Ir helix
Steroid	≤ 1 mg dexamethasone sodium phosphate
Inner Conductor	MP35N™ coil
Inner Insulation	Silicone rubber
Outer Conductor	MP35N™ coil
Outer Insulation	Silicone rubber

OptiSense lead model 1699 is packaged with:
3 straight (1 soft in the lead, 2 soft)
2 J (soft), 1 clip tool

Accessory Kits Available Separately			
Accessory	Model Number	Compatible Lengths	Description
Stylet Kit	4090 with appropriate length designation for use with T model Tendril™ and Tendril™ ST leads	46, 52 and 58 cm	4 straight stylets (1 x-soft, 1 soft, 1 firm, 1 x-firm), 1 J and 1 clip tool
	4091 with appropriate length designation for use with (TC) model Tendril and Tendril ST leads	40, 46, 52 and 58 cm	4 straight stylets (1 x-soft, 1 soft, 1 firm, 1 x-firm), 1 J and 1 clip tool
Locator™ Steerable Stylet	4036 with appropriate length designation	46, 52 and 58 cm	Disposable implant tool which facilitates precise lead positioning and allows manipulation with one hand.
Locator™ Plus Steerable Stylet	1281 with appropriate length designation	46, 52 and 58 cm	Disposable implant tool which facilitates precise lead positioning and allows manipulation with one hand.
	1292 with appropriate length designation	46, 52 and 58 cm	



**Cardiac Rhythm
Management Division**
 15900 Valley View Court
 Sylmar, CA 91342 USA
 818 362-6822
 818 362-7182 Fax
www.sjm.com

St. Jude Medical AB
 Veddestavägen 19
 SE-175 84 Järfälla
 SWEDEN
 +46 8 474 4000
 +46 8 760 9542 Fax

Ordering No. E1649 Printed in Brussels 040715

Consult the User's Manual for information on indications, contraindications, warnings and precautions.
 Unless otherwise noted, ™ indicates that the name is a trademark of, or licensed to, St. Jude Medical, or one of its subsidiaries.
 MP35N is a trademark of SPS Technologies, Inc.
 © 2007 St. Jude Medical Cardiac Rhythm Management Division. All rights reserved.