TECHNICAL SHEET

LigaSure™ exact dissector

Product Information

Code	Description	Ship case QTY
LF2019	LigaSure™ Exact Dissector	6 units/case

Materials of manufacture†

Class	Material	Special disposal conditions
Metallic	Stainless steel	No
Composite	Fibers	No
Polymeric	Polyesters	No
Polymeric	Not applicable	No
Metallic	Aluminum	No

Latex free: Yes

Phthalates free: Yes

Nanomaterial and ionized radiation: No

Animal or biological components: No

† Please refer to the Material Declaration Letter

Specifications

Jaw	
Type	Curved
Features	Fine, textured jaw with ceramic stops
Curvature angle	40 degrees
Jaw length	21.6 mm
Seal plate length	20.6 mm
Cut length	19.8 mm
Proximal seal plate width	4.06 mm
Distal seal plate width	2.03 mm
Opening type	Bilateral
Integrated cutter	Yes
Jaw coating	Nonstick nano-coating of Hexamethyldisiloxane (HMDSO). Applied to the surface by vapor deposition on the jaws.

Instrument	
Length	21 cm
Features	Small, ergonomic and lightweight
Components	• Scissor-type mechanism • Cutting trigger • Inline activation button

Thermal profile

- Average lateral thermal spread <1 mm, allowing sealing near vital structures without damaging them.
- The average temperature recorded on the outside of the jaw after activation in isolated vessels up to 7 mm is below 60 °C.
- Faster cooling times of the jaw.

Mechanism

Sealing	
Activation options	Manual or footswitch
Manual activation type	• One-step activation: • First click for tissue grasping • Second click for sealing • Design allows activation with either hand

Cutting	
Activation options	Trigger on the handle
Type of cutting	Independent from sealing
Features	Cutting blade located in the medial area of the jaws, activated by a trigger on the instrument itself.

Compatibility and connections

Connectors	Incorporates RFID technology for identification by the electrosurgical generator.
Compatible with platforms	• Valleylab™ FT10 Energy Platform – software 1.1 or higher • Valleylab™ LS10 Generator (where available) – software 1.0 or higher

Indications

- The LigaSure™ Sealer/Divider is a bipolar electrosurgical instrument intended for use in open surgical procedures where ligation and division of vessels, tissue bundles, and lymphatics is desired.
- The LigaSure™ Sealer/ Divider can be used on vessels (arteries and veins) up to and including 7 mm. It is indicated for use in general surgery and in such surgical specialties as urologic, thoracic, plastic, and reconstructive. Procedures may include, but are not limited to, bowel resections, gall bladder procedures, Nissen fundoplication, and adhesiolysis.
- The instrument is also indicated for open ENT procedures in adults (thyroidectomy, radical neck dissection, parotidectomy, and tonsillectomy) for ligation and division of vessels, lymphatics and tissue bundles 2-3 mm away from unintended thermally-sensitive structures such as nerves and parathyroid glands.
- The LigaSure™ system has not been shown to be effective for tubal sterilization or tubal coagulation for sterilization procedures. Do not use the LigaSure™ system for these procedures.

Packaging

Packaging level	Description	Material	QTY
Primary packaging	Pouch	1073B Tyvek (Flashspun) to 100gauge Biaxially Oriented nylon/3 mil enhanced PE	6
	Insert card	HDPE	6
Secondary packaging	IFU	Paper	1
Tertiary	Shipper box	Corrugate board	1

Additional information

Single use: Yes

Sterilization method: Ethylene oxide

Shelf Life: 5 Years

GMDN Code:

- 56296, Open-surgery electrosurgical handpiece/electrode, bipolar, single-use.

Certificate: MDR 724712

Conformity Assessment Procedure: Regulation (EU) 93/42/EEC, Annex II

Risk Class: IIb

Classification rule: Rule 9

Notified Body: BSI Group, Nr 2797

Legal Manufacturer: Covidien IIc, 15 Hampshire Street, Mansfield, Massachusetts 02048, USA

Questions?
Call or email your local Medtronic representative.

For detailed information regarding the transition of EU MDD to EU MDR, please contact your designated Medtronic Sales Representative. This material should not be considered the exclusive source of information, it does not replace or supersede information contained in the device manual(s). Please note that the intended use of a product may vary depending on geographical approvals. See the device manual(s) for detailed information regarding the intended use, the (implant) procedure, indications, contraindications, warnings, precautions, and potential adverse events. For a MRI compatible device(s), consult the MRI information in the device manual(s) before performing a MRI. If a device is eligible for eIFU usage, instructions for use can be found at Medtronic's website manuals.medtronic.com. Manuals can be viewed using a current version of any major internet browser. For best results, use Adobe Acrobat® Reader with the browser. Medtronic products placed on European markets bear the CE mark and the UKCA mark (if applicable). For any further information, contact your local Medtronic representative and/or consult Medtronic's websites.

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