

Medtronic

# Access granted.

Enhance access and visualization<sup>1-5</sup> throughout **thoracoscopic** procedures



## Advanced energy optimized for VATS procedures



**LigaSure™ Maryland jaw thoracic device**

Get the benefits of reliable LigaSure™ vessel sealing technology – in a design optimized for thoracoscopic and VATS procedures.<sup>6-10</sup> In your hand, it can deliver:

- A curved profile that improves access<sup>1,2,‡,§</sup> and tip visualization<sup>3,4,Ω</sup>
- The ability to seal pulmonary vasculature up to and including 7 mm<sup>6-10</sup>
- The added functionality of a Maryland dissector, grasper, and cold scissors
- The benefits of nonstick nano-coated jaws

## Stapling for improved access<sup>5,†</sup>



**Signia™ small diameter reload**

With **true 8 mm access**,<sup>5,11,††</sup> the Signia™ small diameter reload:

- Delivers superior hemostasis compared to the Echelon Flex™ PVS<sup>12,‡‡,§§</sup>
- Produces 10 times less tension on vessels during clamping compared to Echelon Flex™ PVS<sup>13,§§,ΩΩ</sup>
- Aids in dissection around delicate tissue structures<sup>5,†</sup>

# Big innovations for small spaces

Get the access you need from mobilization through division of critical structures<sup>†††</sup>

## Ordering information

Code	Description	Cartridge color	Units/box
LF1930T	LigaSure™ Maryland jaw thoracic sealer/divider	–	6
SIGSDS30CTV	30 mm Signia™ small diameter reload	Gray	6
SIGSDS30CTVT	30 mm Signia™ small diameter reload	White	6
SIGSDL45CTVT	45 mm Signia™ small diameter reload	White	6



Improve access in your thoracic procedures.<sup>1-5,†,‡</sup>

Contact your sales representative or visit  
[medtronic.com/covidien/uk](https://www.medtronic.com/covidien/uk)

† 15 out of 16 surgeons surveyed after use agreed when compared to larger 12 mm reloads.

‡ Compared to straight jaws.

§ 31 of 33 surgeons surveyed after use agreed.

Ω 30 of 33 surgeons surveyed after use agreed.

†† As of June 2019, when compared to the Echelon Flex™ PVS, which has a 9 mm working shaft diameter and a 12.5 mm articulation joint and jaw assembly diameter.

††† Tested using the Endo GIA™ handle with 30 mm Signia™ small diameter white 2.5 mm reload versus 35 mm Ethicon Echelon Flex™ PVS with white 2.5 mm reload.

§§ Preclinical results may not correlate with clinical performance in humans.

ΩΩ Compared to the 35 mm Echelon Flex™ PVS with white 2.5 mm cartridge reloads.

†††† Critical structures for the LigaSure™ Maryland jaw thoracic sealer/divider includes pulmonary arteries and veins up to and including 7 mm.

1. Based on internal test report #RE00140529 rev A, LigaSure™ Maryland device, nano-coated tissue testing (memo). March 5, 2018.
2. Based on internal test report #RE00071598, Maryland validation labs, Houston and Los Angeles: independent surgeon feedback collected during porcine labs. April 16-18 and April 30-May 3, 2013.
3. Based on internal report #RE00147462, Pulmonary sealing claims for the LigaSure™ LF1930T device (memo). March 29, 2018.

4. Based on internal test report #R0035742, Maryland validation, Houston and Los Angeles: independent surgeon feedback collected during porcine labs. April 16-18 and April 30-May 3, 2013.

5. Based on internal report #RE00014682, Small diameter reload summative usability. June 19-20, 22, 2017.

6. Based on internal report #RE00138840, LIG-45 memo, device length recommendation, thoracic (LF1930T). February 2018.

7. Based on internal test report #RE00125866, Jaw force and gap range burst pressure evaluation of EB4 thoracic Maryland device (LF1930T); conducted on bovine tissue. Nov. 20-21, 2017 and Nov. 27-30, 2017.

8. Based on internal test report #RE00134865, burst pressure verification of pulmonary bovine veins using the LigaSure™ LF1930T device. Jan. 17-18, 2018.

9. Based on internal test report #RE00122515, Verification of the LigaSure™ LF1930T device in a GLP chronic hemostasis canine study on pulmonary vasculature. Jan. 8-10, 2018.

10. Based on internal test report #RE00128442, GLP acute pulmonary vasculature hemostasis verification study of the LigaSure™ LF1930T device in hounds. Dec. 8, 2017.

11. Based on report #RE00142825, Image creation for Signia™ small diameter reload. March 26, 2019.

12. Based on internal report #RE00190239, Signia™ small diameter reload chronic study statistical analysis. March 26, 2019.

13. Based on internal report #RE00209946, Vessel tension analysis: Signia™ small diameter reload versus Echelon Flex™ PVS. 2019.

Important: Please refer to the package insert for complete instructions, contraindications, warnings and precautions.

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