

Medtronic

The LigaSure™ Exact dissector

Operating at the cutting edge



Exact precision for a balanced performance

Medtronic LigaSure™ Exact dissector

Together we can achieve a great performance



The LigaSure™ Exact dissector is powered by the Valleylab™ FT10 and LS10 (where available) energy platforms. Its fine, curved jaw profile is engineered to¹:

- Deliver precise blunt dissection^{1,†} with a cool thermal profile²
- Optimize your ability to work in tight spaces^{1,‡}
- Enable a more efficient procedure^{1,2,§}

The LigaSure™ Exact dissector also:

- Cools in 10 seconds after 5 activations²
- Makes cutting and sealing simple and intuitive^{1,Ω}
- Reduces the need for instrument exchanges^{6,††}
- Enables secure and atraumatic grasping of tissue^{1,††}



- 2 mm distal jaw width³
- 3 mm average jaw width³
- The device cuts sealed tissue to within 2 mm of the tip of the jaw³
- The device has a working length of 75 mm³
- The jaw has a curve angle of 21 degrees³ and a length of 21.6 mm

The **maximum temperature** and **cooling times** of the **LigaSure™ Exact** compared to other devices...

63.5°C

Maximum jaw temperature of the **LigaSure™ Exact** after **a single activation**⁴

83.9°C

Maximum jaw temperature of the **LigaSure™ Exact** after **five activations**⁴

260.9°C

Maximum jaw temperature of the **Harmonic Focus™+** after **five activations**⁴

262.6°C

Maximum jaw temperature of the **Thunderbeat Fine Jaw™**** after **five activations**⁴

120.1°C

Maximum jaw temperature of the **Voyant™ Fine Fusion** after **five activations**⁴

	Harmonic Focus™+	Thunderbeat Fine Jaw™**	Voyant™** Fine Fusion
Faster average cool down time (to 60°C) for a single activation , when paired with the FT10 ²	LigaSure™ Exact is 32.6s faster	LigaSure™ Exact is 34.7s faster	LigaSure™ Exact is 19.2s faster
Faster average cool down time (to 60°C) after 5 activations , when paired with the FT10 ²	LigaSure™ Exact is 22.4s faster	LigaSure™ Exact is 20.1s faster	LigaSure™ Exact is 26.3s faster

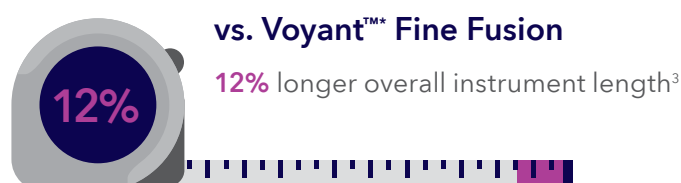
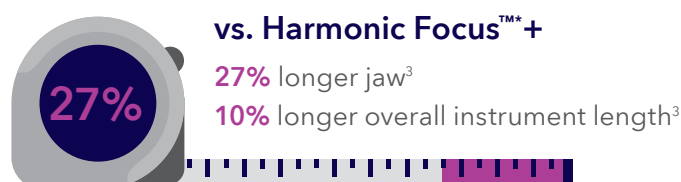
1 mm

Mean lateral thermal spread⁵

The jaws have a low temperature profile^{2,5§} and are designed to help reduce thermal spread to surrounding critical structures.^{5,Ω}

The **size** and **instrument length** of the **LigaSure™ Exact** compared to other devices...

The LigaSure™ Exact has a working length of 75 mm³



The **activation time** of the **LigaSure™ Exact** when paired with the FT10 is...



56%

Shorter than the **Harmonic Focus™+⁵**



39%

Shorter than the **Thunderbeat Fine Jaw™⁵**



37%

Shorter than the **Voyant™ Fine Fusion⁵**

References

- † 22 out of 23 surgeons surveyed agreed.
- ‡ 21 out of 22 surgeons surveyed agreed.
- \$ Compared to the Harmonic Focus™+; 11 out of 12 surgeons surveyed agreed). & LigaSure™ small jaw 16 out of 16 surgeons surveyed agreed.
- Ω 23 out of 23 surgeons surveyed agreed.
- †† 19 out of 21 surgeons surveyed agreed.
- ‡‡ Compared to the Harmonic Focus™+; 10 out of 12 surgeons surveyed agreed.
- §§ The external jaw temperature of the LigaSure™ exact dissector does not exceed 60 degrees C after a single activation.
- ΩΩ The mean lateral thermal spread of the device is 1mm when paired with the FT10.
1. Based on internal report #RE00114823, Validation labs: surgeon evaluation of LigaSure™ exact dissector, nano-coated. July 18 to 26, 2017.
2. Based on internal report #RE00107711 Rev A, Market research: Thermal profile comparison testing cooldown to below 60 C for the LigaSure™ exact dissector and the Ethicon Harmonic Focus™+ (conducted on porcine tissue). Aug. 29, 2017.
3. Based on internal test report #RE00113990_A, LigaSure™ Exact Dissector Physical Comparisons September 13, 2017
4. Based on internal test report #RE00153868_B, Thermal Profile Comparison of the Harmonic™ Focus+ Shears, ThunderBeat Open Fine Jaw, Voyant Fine Fusion, and LigaSure LF1212 vs. LigaSure™ LF2019 on the Valleylab™ FT10 and Valleylab™ LS10 Generators and the 13 cm Sonicision™ Curved Jaw
5. Based on internal test report #RE00153866 Comparison of the Harmonic® Focus+ Shears, ThunderBeat Open Fine Jaw, Voyant Fine Fusion, and LigaSure LF1212 vs. LigaSure™ LF2019 on the Valleylab™ FT10 and Valleylab™ LS10 Generators and the 13 cm Sonicision™ Curved Jaw in an Acute Porcine Study
6. Based on internal test report #RE00071598, Maryland validation labs: Independent surgeon feedback collected during porcine labs in Houston and Los Angeles. April 16 to 18 and April 30 to May 3, 2013.

Photo credit: Shutterstock

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

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