

PUTTING THE **POWER OF PRECISION** IN YOUR HANDS.



The Force TriVerse™ Electrosurgical Device
with Valleylab™ Mode

Product Information Kit

Medtronic
Further, Together



WHERE **CONFIDENCE** WAS BORN.

Inspiring confidence in the OR. That's been a driving force behind the Valleylab™ energy portfolio for more than 50 years.

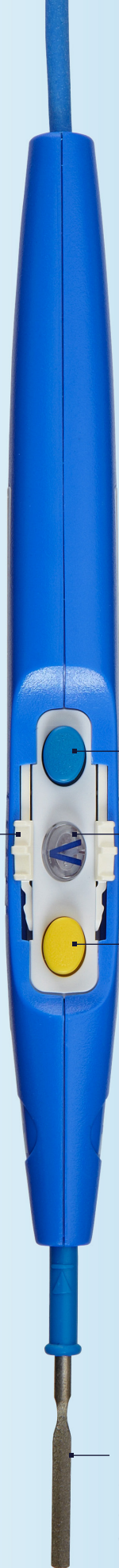
It's why we developed the Force TriVerse™ electro-surgical device. And it's why surgeons have used it in nearly three million procedures worldwide.¹

Taking the standard electro-surgical pencil to the next level.

Like traditional pencils, the Force TriVerse™ device delivers cut and coag modes. But it also enables access to Valleylab™ mode — a unique combination of monopolar hemostasis and dissection. The result is a smoother passage through tissue with less thermal effect than traditional coagulation mode.²⁻⁴

That's three modes for more options. All with the same goal: to advance patient care.

FOR SURGEONS WHO CRAVE CONTROL.



Power Control

Slider allows you to adjust power output in the sterile field⁷

Fingertip Control

Three buttons to offer three unique modes:

Coag

for hemostasis

Valleylab™ mode

to divide tissue with controlled hemostasis

Cut

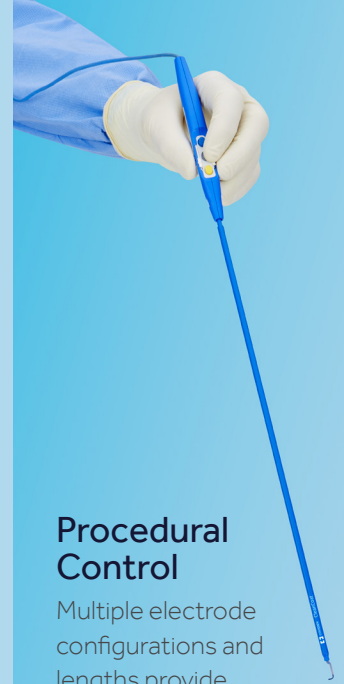
to cut tissue with minimal coagulation/hemostasis

Cleaning Control

Compatible Edge™ electrodes are coated to facilitate cleaning during the procedure

Surgeons say the Force TriVerse™ device may make surgery easier and save time^{5,†} compared to traditional monopolar devices

[†]7 of 8 surgeons surveyed after use agreed.



Procedural Control

Multiple electrode configurations and lengths provide myriad options to suit procedural needs



Comfort Control

A familiar handle design with a gripping surface

Smart Control

A smart connector allows the Valleylab™ FX8 and FT10 energy platforms to immediately verify the device and use default power settings^{8,9}



THE POWER OF THREE.

The Force TriVerse™ device is compatible with Valleylab™ electrosurgical generators. But its performance is optimized when used with the Valleylab™ FT10 and FX8 energy platforms.

That's because Valleylab™ energy platforms enable Valleylab™ mode — a responsive energy mode that provides dissection and thermal effect with the activation of a single button.^{3,5,6}

In Valleylab™ mode, the Force TriVerse™ device delivers:

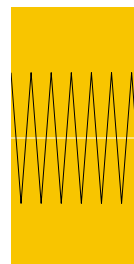
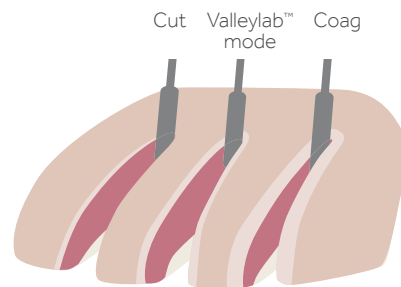
- Smooth passage through tissue^{2,4}
- Less thermal effect than coagulation mode²
- Statistically lower drag values compared to coag mode^{3,4}



Three Benefits of Valleylab™ Mode

Valleylab™ mode is an intermediary mode that combines the advantages of cutting and coagulation modes.³⁻⁶ It's been shown to^{3,4,10,11,†}:

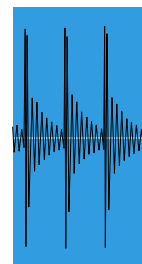
- Reduce lateral thermal spread†
- Reduce electrode drag through tissue
- Reduce peak voltage



Cut



Valleylab™ mode



Coag

†When compared to traditional Coag.

DRIVE YOUR ELECTRODE WITH **PRECISION**

The Valleylab™ FX8 and FT10 energy platforms make the benefits of Valleylab™ mode a reality



Valleylab™ FX8 Energy Platform

The Valleylab™ FX8 energy platform is an intuitive-to-use, low-energy solution that adapts to tissue variability for precision in electrosurgery.^{4,12} When used with the Force TriVerse™ device, it can deliver:

- Precise energy delivery for consistent tissue effects^{4,12}
- Power control during monopolar energy delivery that's five times better than the Force Triad™ energy platform^{4,12}
- Tissue monitoring that's 2600 times faster than the Force FX™ electrosurgical generator¹³⁻¹⁵



Valleylab™ FT10 Energy Platform

The Valleylab™ FT10 energy platform drives our full portfolio of energy-based devices — and makes them better than ever. It can power bipolar LigaSure™ devices and monopolar instruments. And when used with the Force TriVerse™ monopolar device, it provides:

- More precise electrosurgical performance than the Force Triad™ energy platform¹⁵
- A broad range of tissue effects¹⁶



Making Smart Devices Smarter

The built-in smart TissueFect™ tissue sensing technology in the Valleylab™ FT10 and FX8 energy platforms improves the speed and consistency of hand-held devices by reading tissue composition in real time.¹⁵

TissueFect™ technology examines device performance 434,000 times per second, monitoring tissue impedance and allowing effective and efficient energy delivery.¹⁵ This technology is only available on Valleylab™ energy platforms and powers all electrosurgical and advanced bipolar functions.

PRODUCT REQUEST FORM

I am requesting the following instruments be stocked in our facility so I have consistent access to them for my cases:

- Force TriVerse™ electro-surgical device with 10-foot cord (FT3000)
- Force TriVerse™ electro-surgical device with 15-foot cord (FT3000DB)
- Valleylab™ FT10 Energy Platform (VLFT10GEN)
- Valleylab™ FX8 Energy Platform (VLFX8GEN)

The Force TriVerse™ electro-surgical device with Valleylab™ mode provides:

- Smooth passage through tissue^{1,2}
- Less thermal effect than coagulation mode¹⁻³
- Statistically lower drag values compared to coag mode^{1,3}

I am confident in using an electro-surgical device that has been used in more than 2.8 million procedures worldwide.⁴

Thank you for reviewing this information. Please feel free to contact me if you have any questions.

Sincerely,

Additional Comments:

1. Based on internal test report #RE0068753, A quantitative comparison to conventional monopolar electro-surgery: L- hook monopolar drag force measurements. March 2017.
2. Based on internal memo #RE00105221, Energy equivalence memo for the Valleylab™ FX8 and FT10 energy platforms (VLFX8GEN/ VLFT10GEN). July 2017.
3. Based on internal test report # RE00115057, Monopolar performance of Valleylab™ mode on the Valleylab™ FT10 energy platform. September 2017.
4. Based on internal Force Triverse(tM) device report obtained from Global Cognos (FY2011 to mid FY2020) and Business Objects (mid FY20).

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ORDERING INFORMATION

Code	Description	Quantity
FT3000	Force TriVerse™ electrosurgical device 10-foot cord	25/case
FT3000DB	Force TriVerse™ electrosurgical device 15-foot cord	25/case
VLFT10GEN	Valleylab™ FT10 Energy Platform	
VLFX8GEN	Valleylab™ FX8 Energy Platform	

Please contact your sales representative for more information about the Force TriVerse™ device and our comprehensive portfolio of energy products

Visit us at [medtronic.com/forcetraverse](https://www.medtronic.com/forcetraverse)



1. Based on internal Force TriVerse™ device report obtained from Global Cognos (FY2011 to mid FY2020) and Business Objects (mid FY20).
2. Based on internal test report #RE0068753. A quantitative comparison to conventional monopolar electrosurgery: L- hook monopolar drag force measurements. March 2017.
3. Based on internal test report # RE00115057. Monopolar performance of Valleylab™ mode on the Valleylab™ FT10 energy platform. September 2017.
4. Based on internal memo #RE00105221. Energy equivalence memo for the Valleylab™ FX8 and FT10 energy platforms (VLFX8GEN/VLFT10GEN). July 2017.
5. Based on internal test report #RE00099998 rev A. Product introductions for the Valleylab™ FX8 energy platform. September 2017.
6. Based on internal test report #RE00099997 rev A. Product introductions for the Valleylab™ FX8 energy platform. September 2016.
7. Force TriVerse™ electrosurgical device [instructions for use]. Mansfield, MA: Medtronic; 2011.
8. Based on internal test report #RE00082335. UI software requirements specification for the Valleylab™ FX8 energy platform. February 2018.
9. Based on release test report #R0054643 rev A. Software release 3.4.0 ORION. March 2014.
10. Based on report #RE00076312 rev D. System and product verification for the Valleylab™ FX8 energy platform (VLFX8GEN). September 2017.
11. Based on report #RE00155061 rev A. Valleylab™ mode relative voltage (memo). May 2018.
12. Based on internal test report #RE00005401. Product validation of Valleylab™ FT10 energy platform surgeon and nurse evaluation in simulated use: 32 surgeons interviewed. January 27 to 30, 2015 and Feb. 24 to 27, 2015.
13. Valleylab™ FX8 energy platform part # PT00046835_A [service guide]. Boulder, CO: Medtronic. 2017.
14. Force FX™ electrosurgical generator 8C part # PT00002139 [service manual]. Boulder, CO: Medtronic. 2014.
15. Based on internal memo #RE00256209 rev A. Valleylab™ FT10 memo control system resolution in VLFT10GEN. March 2020.
16. Based on internal report # R0064443 rev A. Ex-vivo monopolar procedural flow evaluation the Valleylab™ FT10 energy platform. November 2014.

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