

# ENERGY PRODUCT CATALOGUE



**Valleylab™ Energy  
stands for confidence**

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**The Medtronic Energy division, a world leader in radiofrequency (RF) energy-based systems, is committed to providing you with a complete line of products that contribute to the safest possible surgical environment.**

**We manufacture a full range of RF energy products – electrosurgical and tissue fusion generators, pencils, patient return electrodes and an entire line of accessories. Our fully integrated systems set the industry standard in patient care and purchasing efficiency.**

#### **Abbreviation legend**

- ASP = Aspiration holes
- B = Safety Sleeve™
- DA = Needle electrode
- DB = 15 ft cord
- FR = French
- H = Holster
- R = Retractable
- S = Smoke attachment



Generators

VLFT10GEN

1 EACH

Valleylab™ FT10 Energy Platform

The Valleylab™ FT10 energy platform not only drives our full portfolio of energy-based devices, it makes them better than ever. The Valleylab™ FT10 energy platform delivers precise amounts of energy.



- Improved and enhanced LigaSure™ vessel sealing performance\*
- TissueFect™ tissue sensing technology has improved on the Valleylab™ FT10 energy platform with closed-loop control at 434,000 data points per second, which is over a 100x more than the ForceTriad™ energy platform.<sup>5</sup> This creates a more consistent tissue effect
- Automatic instrument recognition
- Utilizes most current and all new LigaSure™ instruments
- Single, simplified touch screen
- Exclusive Valleylab™ exchange software update system
- Unique Valleylab™ mode
- Adaptive REM™ system
- Automatic power settings require minimal setup and minimize need for further handling during surgery
- Bipolar cable compensation reads cable length and width for consistent electrosurgical output
- Autobipolar capability
- Soft coag settings
- Weight (kg): 10,1  
Width (cm): 36,8  
Height (cm): 17,8  
Depth (cm): 46,2

\* As compared to the ForceTriad™ energy platform

VLFX8GEN

1 EACH

Valleylab™ FX8 Energy Platform

The newest addition to Valleylab™ energy is made to enhance the performance of your electrosurgical handpieces.<sup>1,2,†</sup> The Valleylab™ FX8 energy platform is driven by our intelligent tissue-sensing technology. As you use your energy-powered tools, it reads tissue composition to monitor and adjust to impedance.<sup>3,4</sup>



- TissueFect™ sensing technology monitors changes in tissue impedance 434,000 times a second
- Automatic instrument recognition
- Single, simplified touch screen
- Exclusive Valleylab™ exchange software update system
- Unique Valleylab™ mode
- Adaptive REM™ system
- Automatic power settings require minimal setup and minimize need for further handling during surgery
- Bipolar cable compensation reads cable length and width for consistent electrosurgical output
- Autobipolar capability
- Soft coag settings
- Weight (kg): 8,8  
Width (cm): 33,5  
Height (cm): 14,6  
Depth (cm): 43,6

† Compared to the ForceTriad™ energy platform

1. 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.  
 2. Based on internal report #RE00105221, Comparison testing of the Valleylab™ FT10 and ForceTriad™ generators. The Valleylab™ FT10 energy platform has identical power curves and equivalent power delivery for shared modes to the Valleylab™ FX8 energy platform. July 2017.  
 3. Valleylab™ FX8 energy platform part #PT00053621 [user guide]. Boulder, CO: Medtronic. June 2017.  
 4. Based on report #RE00034263 Rev F, Product requirements document for project Kirin. July 2017.  
 5. Based on the Valleylab™ FT10 Service Manual: part number 1079477, REV 01/2015.

# Generators

VLLS10GEN

1 EACH

## Valleylab™ LS10 Vessel Sealing Generator

A simple, portable, 'plug and play' generator, designed to give you control, confidence and consistency in the OR.



- Single power on/off button
- Single instrument plug in port, compatible with all LigaSure™ devices
- Weighs only 5,5 kg for ease of transportation
- Automatic instrument recognition
- Seals vessels up to and including 7 mm in size, lymphatics and tissue bundles when used with a proper LigaSure™ instrument
- Produces minimal sticking, charring and thermal spread to adjacent tissue when used with a proper LigaSure™ instrument

- 95% certainty that the seals will withstand minimum 3x normal systolic blood pressure when used with a LigaSure™ instrument
- RFID (radio frequency identification) technology for automatic software upgrades<sup>2</sup>
- Depth (cm): 46,2
- Improved and enhanced LigaSure™ vessel sealing performance\*
- TissueFect™ sensing technology monitors changes in tissue impedance 434,000 times a second

*\*As compared to the ForceTriad™ energy platform*

## TissueFect™ Tissue Sensing Technology

The smart TissueFect™ tissue sensing technology in our Valleylab™ LS10 Generator and FT10 energy platform improves the speed and maintains consistency of hand-held devices by reading tissue composition in real time. So you can move through procedures more efficiently, for a better experience.

In the case of the Valleylab™ FT10 and FX8 energy platforms, TissueFect™ technology examines device performance 434,000 times per second, monitoring tissue impedance and allowing effective and efficient energy delivery. This technology is only available on Valleylab™ generators and drives all electro-surgical and advanced bipolar functions.

## Valleylab™ Exchange Software Update System

The Valleylab™ exchange software update system enables you to perform a first-time setup or update software on Medtronic energy-based devices. This ensures that your surgeons and staff have access to the latest performance features as new features and energy delivery profiles become available for your electro-surgical generator. The Valleylab™ exchange software update system is available for the ForceTriad™, Valleylab™ FT10 and FX8 energy platforms, and the Valleylab™ LS10 generator.

## Valleylab™ Mode

Valleylab™ mode provides a unique combination of monopolar hemostasis and dissection.

## Power Efficiency Rating (PER)

Measure of the ability of an electro-surgical generator to accurately deliver the selected power into a wide range of impedances.

## Adaptive REM™ System

Adaptive REM™ combines the feedback circuitry of hardware monitoring with an advanced software-controlled adaptation feature. The adaptive system still maintains the 5-135 ohms limits, but also creates a window of acceptable impedances based on contact conditions of the individual patient.

# Software Applications for ForceTriad™ Energy Platform

## Bipolar Resection

The Bipolar Resection Activation Kit enables activation of the bipolar-resection application on a single ForceTriad™ energy platform with software version 3.30 or greater.

The application is intended for use in the following procedures in a saline environment: Transurethral Resection of the Prostate (TURP), Transurethral Resection of the Bladder (TURB) and hysteroscopic resection.



**FTBRKIT**

1 EACH

### Bipolar Resection Activation Kit for the ForceTriad™ Energy Platform

- Telephone and email contact information for EbD Technical support – to be contacted for activation of this Software application
- RS232 Cable for connecting the ForceTriad™ energy platform to the biomed PC (for Valleylab™ exchange)
- License Key Code to be provided to tech support
- CD-Rom with user guides
- Three labels to be applied to the ForceTriad™ energy platform after activation of the software application



**FT6009**

1 EACH

### Bipolar Resection Footswitch

- Activates the bipolar resection – resection in Saline
- 4,6 m cord
- To be used with the ForceTriad™ energy platform



**FT0021S**

1 EACH

### Storz™ Bipolar Resection Cord

- To be used with Storz™ bipolar resectoscopes
- To be used with the ForceTriad™ energy platform
- Reusable
- 4,6 m cord



**FT0022W**

1 EACH

### Wolf Bipolar Resection Cord

- To be used with Wolf bipolar resectoscopes
- To be used with the ForceTriad™ energy platform
- Reusable
- 4,6 m cord

# Software Applications for ForceTriad™ Energy Platform



**STORZBRSET** 1 EACH

**Starter Kit for use with Storz™ Resectoscopes**

**Contains:**

- FTBRKIT Activation Kit Bipolar Resection 1 each
- FT6009 Bipolar Resection Footswitch 1 each
- FT0021S Bipolar Resection Cord Storz™ 1 each



**WOLFBRSET** 1 EACH

**Starter Kit for use with Wolf Resectoscopes**

**Contains:**

- FTBRKIT Activation Kit Bipolar Resection 1 each
- FT6009 Bipolar Resection Footswitch 1 each
- FT0022W Bipolar Resection Cord Wolf 1 each
- Remote access panel assembly (panel with 2 screws)

**The Remote Control Application**

The Remote Control Application is add-on software that enables communication between a ForceTriad™ energy platform and a third-party remote-control system.

Once the application has been activated, an energy platform can be integrated into a system of multiple hardware components operated from a central location.

Remote-control systems are used in integrated operating rooms to control medical devices and various audio, video, and communication devices from a central communication console.

This application needs Software Version 3.4 or higher.



**FTRCKIT** 1 EACH

**Activation Kit Remote Control for the ForceTriad™ Energy Platform**

- CD with the User's Guide Supplement - remote control application
- License Key (provided on the inner box label and internal packaging)
- RS-232 cable
- Remote access panel assembly (panel with 2 screws)

# Hardware Accessories

## Footswitches



**FT6003** 1 EACH

### ForceTriad™ Energy Platform Three-Pedal Footswitch

Compatible with ForceTriad™ energy platform only

- Enables foot activation of Cut, Valleylab™ mode and Coag
- Activate Valleylab™ mode and Force TriVerse™ electrosurgical device
- Enables foot activation of Cut and Coag on standard electrosurgical pencils
- 4,6 m (15 ft) cord



**FT6009** 1 EACH

### Bipolar Resection Footswitch

Compatible with the Valleylab™ FT10 and ForceTriad™ Energy platforms

- Activates the bipolar resection – resection in saline
- 4,6 m (15 ft) cord

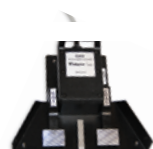


**E6008B** 1 EACH

### Monopolar Footswitch

Compatible with SurgiStat™ II, Valleylab™ FT10 and all Force™ Series generators

- 4,6 m (15 ft) cord



**E6008** 1 EACH

### Monopolar Footswitch

Compatible with SurgiStat™ II, Valleylab™ FT10 and all Force™ Series generators

- 4,6 m (15 ft) cord

All footswitches are water resistant



**E6009** 1 EACH

### Standard Bipolar Footswitch

Compatible with Valleylab™ FT10 and FX8 energy platforms and all Force™ Series generators

- 4,6 m (15 ft) cord



**LS0300 (PURPLE)** 1 EACH

### LigaSure™ Single Pedal Footswitch

- 4,6 m (15 ft) cord



**LF0500 (ORANGE)** 1 EACH

### LigaSure™ Single Pedal Footswitch

Compatible with ForceTriad™ energy platform only

- 4,6 m (15 ft) cord



**E6019** 1 EACH

### Dome Bipolar Footswitch

Compatible with Valleylab™ and FT10 and all Force™ Series generators

- 4,6 m (15 ft) cord



**E6009B** 1 EACH

### Standard Bipolar Footswitch (version B)

Compatible with Valleylab™ FT10 and all Force™ Series generators

- 4,6 m (15 ft) cord

## Hardware Accessories

### Carts and Stand



VLFTCRT

1 EACH

#### Valleylab™ FT10 Cart

The Valleylab™ FT10 cart is compatible with the Valleylab™ FT10 and FX8 energy platforms and the LS10 generator

- Cord management system
- One storage drawer
- Rust resistant
- Conductive casters (2 locking, 2 non-locking)
- Multiple shelves

**Hardware Accessories**  
Carts and Accessories



**UC8009**

1 EACH

**Universal Mounting Cart**

- Rust resistant
- Conductive casters (2 locking, 2 non-locking)
- Supplied with cord management kit



**UC8010**

1 EACH

**Universal Mounting Cart Overshelf**

Compatible with UC8009 universal cart

Ideal for a second electrosurgical generator, LigaSure™ vessel sealing system, RapidVac™ smoke evacuation system or Force Argon II™ system

- Supports 75 lbs centered on shelf
- Supplied with cord management kit



**UC8012**

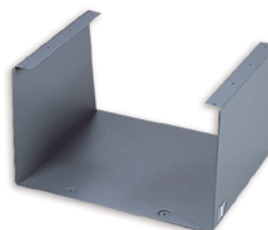
1 EACH

**Universal Mounting Cart Drawer**

Compatible with UC8009 universal cart

Not compatible with UC8013 suspended shelf

Ideal for storing user's manual or extra supplies



**UC8013**

1 EACH

**Universal Mounting Cart Suspended Shelf**

Compatible with UC8009 universal cart

Not compatible with UC8012 drawer

Ideal for the RapidVac™ or OptiMumm™ smoke evacuation system or other smoke evacuation systems

- Supports 75 lbs



**UC8011**

1 EACH

**Universal Mounting Cart Cord Management Kit**

Compatible with UC8009 universal cart

- Two brackets



**UC8015**

1 EACH

**Universal Mounting Cart Argon Gas Tank Kit**

Compatible with UC8009 universal cart

- Holds 2 G-size 42 cubic ft tankss





**LF1823** 6 UNITS/CASE

**LigaSure™ Blunt Tip Open Sealer/Divider 5 mm, nano-coated – 23 cm**

Compatible with ForceTriad™, Valleylab™ FT10 and Valleylab™ LS10 generators

- HMDSO nano-coated nonstick jaws
- Sealer/divider
- 5 mm diameter; 23 cm (9 in.) length
- 180 degree shaft rotation
- Blunt jaw, double-action with contoured tips design
- Textured jaw with ceramic stops
- Hand switching or foot switching



**LF1923** 6 UNITS/CASE

**LigaSure™ Maryland Jaw Open Sealer/Divider 5 mm, nano-coated – 23 cm**

Compatible with ForceTriad™, Valleylab™ FT10 and Valleylab™ LS10 generators

- HMDSO nano-coated nonstick jaws
- Sealer/divider
- 5 mm diameter; 23 cm (9 in.) length
- 350 degree shaft rotation
- Maryland jaws, single-action with contoured tips design
- Textured jaw with ceramic stops
- One step sealing & foot switching

**LF1837** 6 UNITS/CASE

**LigaSure™ Blunt Tip Laparoscopic Sealer/Divider 5 mm, nano-coated – 37 cm**

Compatible with ForceTriad™, Valleylab™ FT10 and Valleylab™ LS10 generators

- HMDSO nano-coated nonstick jaws
- Sealer/divider
- 5 mm diameter; 37 cm (14,6 in.) length
- 180 degree shaft rotation
- Blunt jaw, double-action with contoured tips design
- Textured jaw with ceramic stops
- Hand switching or foot switching

**LF1937** 6 UNITS/CASE

**LigaSure™ Maryland Jaw Laparoscopic Sealer/Divider 5 mm, nano-coated – 37 cm**

Compatible with ForceTriad™, Valleylab™ FT10 and Valleylab™ LS10 generators

- HMDSO nano-coated nonstick jaws
- Sealer/divider
- 5 mm diameter; 37 cm (14,6 in.) length
- 350 degree shaft rotation
- Maryland jaws, single-action with contoured tips design
- Textured jaw with ceramic stops
- One step sealing & foot switching

**LF1844** 6 UNITS/CASE

**LigaSure™ Blunt Tip Laparoscopic Sealer/Divider 5 mm, nano-coated – 44 cm**

Compatible with ForceTriad™, Valleylab™ FT10 and Valleylab™ LS10 generators

- HMDSO nano-coated nonstick jaws
- Sealer/divider
- 5 mm diameter; 44 cm (17,3 in.) length
- 180 degree shaft rotation
- Blunt jaw, double-action with contoured tips design
- Textured jaw with ceramic stops
- Hand switching or foot switching

**LF1944** 6 UNITS/CASE

**LigaSure™ Maryland Jaw Laparoscopic Sealer/Divider 5 mm, nano-coated – 44 cm**

Compatible with ForceTriad™, Valleylab™ FT10 and Valleylab™ LS10 generators

- HMDSO nano-coated nonstick jaws
- Sealer/divider
- 5 mm diameter; 44 cm (17,3 in.) length
- 350 degree shaft rotation
- Maryland jaws, single-action with contoured tips design
- Textured jaw with ceramic stops
- One step sealing & foot switching

All single use instruments and electrodes have a coded connector for instrument recognition

# LigaSure™ Tissue Fusion Instruments, Sterile, Single Use



**LS1020**

6 UNITS/CASE

### LigaSure Atlas™ 20 cm Hand Switching Instrument

Compatible with ForceTriad™, Valleylab™ FT10, Valleylab™ LS10 generators and the LigaSure™-8 vessel sealing system

- Sealer/divider
- 10 mm diameter; 20 cm (7,9 in.) length
- 359 degree shaft rotation
- Straight, blunt jaw
- Hand switching or foot switching



**LS1520**

6 UNITS/CASE

### LigaSure™ V 20 cm Instrument

Compatible with ForceTriad™ energy platform and LigaSure™-8 vessel sealing system

- Sealer/divider
- 5 mm diameter; 20 cm (7,9 in.) length
- 159 degree shaft rotation
- Dolphin-nose jaw design
- Hand switching or foot switching



**LS1037**

6 UNITS/CASE

### LigaSure Atlas™ Hand Switching Laparoscopic Instrument

Compatible with ForceTriad™, Valleylab™ FT10, Valleylab™ LS10 generators and the LigaSure™-8 vessel sealing system

- Sealer/divider
- 10 mm diameter; 37 cm (14,6 in.) length
- 359 degree shaft rotation
- Straight, blunt jaw
- Hand switching or foot switching



**LS1500**

6 UNITS/CASE

### LigaSure™ V Laparoscopic Instrument

Compatible with ForceTriad™ energy platform and LigaSure™-8 vessel sealing system

- Sealer/divider
- 5 mm diameter; 37 cm (14,6 in.) length
- 159 degree shaft rotation
- Dolphin-nose jaw design
- Hand switching or foot switching

All single use instruments and electrodes have a coded connector for instrument recognition

# LigaSure™ Tissue Fusion Instruments, Sterile, Single Use



**LF5637**

6 UNITS/CASE

### LigaSure™ 37 cm Retractable L-Hook Laparoscopic Device

Compatible with ForceTriad™ and Valleylab™ FT10 generators

- Sealer/divider
- 5 mm diameter; 37 cm (14,6 in.) length
- 315 degree shaft rotation
- Maryland-style jaws
- Retractable monopolar L-hook
- Hand switching

**LF5644**

6 UNITS/CASE

### LigaSure™ 44 cm Retractable L-Hook Laparoscopic Device

Compatible with ForceTriad™ and Valleylab™ FT10 generators

- Sealer/divider
- 5 mm diameter; 44 cm (17,3 in.) length
- 315 degree shaft rotation
- Maryland-style jaws
- Retractable monopolar L-hook
- Hand switching



**LF1930T**

6 UNITS/CASE

### LigaSure™ Maryland Jaw Thoracic Laparoscopic Sealer/Divider 5 mm, nano-coated – 30 cm

Compatible with Valleylab™ FT10 generator version 1.1 or higher version

- HMDSO nano-coated nonstick jaws
- Sealer/divider
- 5 mm diameter; 30cm length
- 350 degree shaft rotation
- Maryland jaws, single-action with contoured tips design  
Textured jaw with ceramic stops
- One step sealing & foot switching

## LIGASURE™ TISSUE FUSION

# LigaSure™ Tissue Fusion Instruments, Sterile, Single Use For Open Procedures



**LF4418**

6 UNITS/CASE

### LigaSure™ Impact Instrument, nano-coated

Compatible with ForceTriad™, Valleylab™ FT10 and Valleylab™ LS10 generators

- HMDSO nano-coated nonstick jaws
- Sealer/divider
- Rectangular shaft; 18 cm (7,1 in.) length
- 180 degree shaft rotation
- 14 degree curved jaw
- Hand switching or foot switching



**LF2019**

6 UNITS/CASE

### LigaSure™ Exact Dissector, nano-coated

Compatible with Valleylab™ FT10 energy platform and Valleylab™ LS10 vessel sealing generator

- HMDSO nano-coated nonstick jaws
- Sealer/divider
- 21 cm instrument length
- Fine tapered jaws
- Hand or foot activation



**LF1212**

6 UNITS/CASE

### LigaSure™ Small Jaw Instrument

Compatible with ForceTriad™, Valleylab™ FT10 and Valleylab™ LS10 generators

- 16,5 mm electrode length
- 18,8 cm instrument length
- 28-degree curved jaw
- Contoured tips for blunt dissection
- Sealer/divider
- Hand or foot activation

*All single use instruments and electrodes have a coded connector for instrument recognition*

# LigaSure™ Tissue Fusion Instruments For Open Procedures



**LF3225**

3 UNITS/CASE

### LigaSure™ Curved Jaw Open Sealer/Divider Electrode Instrument

Compatible with ForceTriad™ energy platform, Valleylab™ LS10 vessel sealing generator, Valleylab™ FT10 energy platform

- Sealer/divider for open procedures Hand or foot switch activated
- 25 mm electrode length
- 25 cm instrument length
- 34 degree curved jaw
- Contoured tips for blunt dissection



**LF3225C**

1 UNITS/CASE

### LigaSure™ Curved Jaw Open Sealer/Divider Clamp Instrument

Requires LF3225 electrode

Electrode is compatible with ForceTriad™ energy platform, Valleylab™ LS10 vessel sealing generator, Valleylab™ FT10 energy platform

- Non-sterile, reusable
- 25 cm length
- 34 degree curved jaw
- Requires LF3225 electrode

*All single use instruments and electrodes have a coded connector for instrument recognition*

## ULTRASONIC DISSECTION

# Sonicision™ Curved Jaw Cordless Ultrasonic Dissection System

**Cordless ultrasonic vessel sealing and dissection — now with a tapered, curved jaw and streamlined cleaning and sterilization.<sup>1</sup> These dissectors are designed for single use.**



**SCDA13**

6 UNITS/CASE

**Sonicision™ 13 cm Curved Jaw  
Cordless Ultrasonic Dissector**



**SCDA39**

6 UNITS/CASE

**Sonicision™ 39 cm Curved Jaw  
Cordless Ultrasonic Dissector**



**SCDA26**

6 UNITS/CASE

**Sonicision™ 26 cm Curved Jaw  
Cordless Ultrasonic Dissector**



**SCDA48**

6 UNITS/CASE

**Sonicision™ 48 cm Curved Jaw  
Cordless Ultrasonic Dissector**

## ULTRASONIC DISSECTION

# Sonicision™ Curved Jaw Cordless Ultrasonic Dissection System



**SCBA**

1 EACH

### Sonicision™ Reusable Battery Pack

- It can be reused 200×



**CBCA**

1 EACH

### Sonicision™ Battery Charger



**SCGAA**

1 EACH

### Sonicision™ Reusable Generator

- It can be reused 150×
- Autowashable and autoclavable



**SCSTA**

1 EACH

### Sonicision™ Reusable Sterilization Tray

- It can be reused 150×
- Autowashable and autoclavable



**SCBIGA**

2 UNITS/CASE

### Sonicision™ Reusable Battery Insertion Guide

- It can be reused 150×
- Autowashable and autoclavable



## BiZact™ Tonsillectomy Device

**BZ4212**

6 UNITS/CASE

### BiZact™ Tonsillectomy Device

Compatible with ForceTriad™, Valleylab™ FT10 and Valleylab™ LS10 generators

- Sealer/divider
- For vessels and lymphatics up to 3 mm
- 12 cm shaft
- Curved jaws
- Contoured tips for blunt dissection
- Hand switching



# Valleylab™ Mode Products, Sterile, Single Use

## Valleylab™ Mode



**FT3000**

25 UNITS/CASE

### Force TriVerse™ Electrocautery Device

Compatible with the Valleylab™ FT10, FX8 and ForceTriad™ Energy platforms

- Allows access to Valleylab™ mode
- EDGE™ coated hex-locking blade electrode
- Cut, Coag and Valleylab™ mode
- Accepts all standard 2,4 mm (3/32 in.) shaft electrodes.
- Holster
- 3 m (10 ft) cord
- Sterile-field power control
- Instrument recognition cord connector



**FT3000DB**

25 UNITS/CASE

### Force TriVerse™ Electrocautery Device

Compatible with the Valleylab™ FT10, FX8 and ForceTriad™ Energy platforms

- Allows access to Valleylab™ mode
- EDGE™ coated hex-locking blade electrode
- Cut, Coag and Valleylab™ mode
- Accepts all standard 2,4 mm (3/32 in.) shaft electrodes.
- Holster
- 4,6 m (15 ft) cord
- Sterile-field power control
- Instrument recognition cord connector



**FT0510**

25 UNITS/CASE

### Foot Switching Monopolar Cord Valleylab™ Mode

Compatible with the ForceTriad™ Energy platform

- Connects any surgical instrument with a 4 mm connector to the ForceTriad™ energy platform
- Delivers Valleylab™ mode
- Works with EndoShears, EndoDissectors, Roticulators, reusable lap handles
- 3 m (10 ft)

## ELECTROSURGERY

# Electrosurgical Pencils, Sterile, Single Use With EDGE™ Coated Electrode



**E2350H**

50 UNITS/CASE

### Rocker Switch Pencil

- EDGE™ coated hex-locking blade electrode
- Holster
- 3 m (10 ft) cord



**E2450H**

50 UNITS/CASE

### Button Switch Pencil

- EDGE™ coated hex-locking blade electrode
- Holster
- 3 m (10 ft) cord



**E2350H-DB**

50 UNITS/CASE

### Rocker Switch Pencil

- EDGE™ coated hex-locking blade electrode
- Holster
- 4,6 m (15 ft) cord



**E2450HS**

50 UNITS/CASE

### Button Switch Pencil

- EDGE™ coated hex-locking blade electrode
- AccuVac™ smoke evacuation attachment
- Holster
- 3 m (10 ft) cord



**E2350HS**

25 UNITS/CASE

### Rocker Switch Pencil

- EDGE™ coated hex-locking blade electrode
- AccuVac™ smoke evacuation attachment
- Holster
- 3 m (10 ft) cord



**E2250H**

50 UNITS/CASE

### Foot Switching Pencil

**Not compatible with Safety Sleeve™ electrodes or AccuVac™ smoke evacuation attachment**

**Requires E0502-1 monopolar adapter**

- EDGE™ coated hex-locking blade electrode
- Holster
- 3 m (10 ft) cord

Accepts all standard 2,4 mm (3/32 in.) shaft electrodes. See Quick Reference Index on page 68

# Electrosurgical Pencils, Sterile, Single Use With Stainless Steel Electrode



**E2515** 50 UNITS/CASE

**Rocker Switch Pencil**

- Stainless steel hex-locking blade electrode
- 3 m (10 ft) cord



**E2516** 50 UNITS/CASE

**Button Switch Pencil**

- Stainless steel hex-locking blade electrode
- 3 m (10 ft) cord



**E2515H** 50 UNITS/CASE

**Rocker Switch Pencil**

- Stainless steel hex-locking blade electrode
- Holster
- 3 m (10 ft) cord



**E2516H** 50 UNITS/CASE

**Button Switch Pencil**

- Stainless steel hex-locking blade electrode
- Holster
- 3 m (10 ft) cord



**E2515H-DA** 50 UNITS/CASE

**Rocker Switch Pencil**

- Stainless steel needle electrode
- Holster
- 3 m (10 ft) cord



**E2516H-DA** 50 UNITS/CASE

**Button Switch Pencil**

- Stainless steel needle electrode
- Holster
- 3 m (10 ft) cord



**E2515HDB** 50 UNITS/CASE

**Rocker Switch Pencil**

- Stainless steel hex-locking blade electrode
- Holster
- 4,6 m (15 ft) cord

Accepts all standard 2,4 mm (3/32 in.) shaft electrodes. See Quick Reference Index on page 68

## ELECTROSURGERY

# Electrosurgical Pencils, Sterile, Single Use With Stainless Steel Electrode



**E2515HS**

25 UNITS/CASE

### Rocker Switch Pencil

- Stainless steel hex-locking blade electrode
- AccuVac™ smoke evacuation attachment
- Holster
- 3 m (10 ft) cord
- 3/8" x 1' tubing with 3/8" tubing connector



**E2504**

50 UNITS/CASE

### Foot Switching Pencil

Not compatible with Safety Sleeve™ electrodes or AccuVac™ smoke evacuation attachment

Requires E0502-1 monopolar adapter

- Stainless steel hex-locking blade electrode
- 3 m (10 ft) cord



**E2516HS**

25 UNITS/CASE

### Button Switch Pencil

- Stainless steel hex-locking blade electrode
- AccuVac™ smoke evacuation attachment
- Holster
- 3 m (10 ft) cord



**E2504H**

50 UNITS/CASE

### Foot Switching Pencil

Not compatible with Safety Sleeve™ electrodes or AccuVac™ smoke evacuation attachment

Requires E0502-1 monopolar adapter

- Stainless steel hex-locking blade electrode
- Holster
- 3 m (10 ft) cord



**VL2610**

50 UNITS/CASE

### Button Switch Pencil

- Stainless steel blade electrode
- Holster
- 3 m (10 ft) cord
- 3 pin connection

**VL2610DB**

50 UNITS/CASE

### Button Switch Pencil

- Stainless steel blade electrode
- Holster
- 4,50 m (15 ft) cord
- 3 pin connection

**VL2610E**

50 UNITS/CASE

### Button Switch Pencil

- Stainless steel blade electrode
- Holster
- 4,50 m (15 ft)
- For Erbe ACC/ICC generators



**VL2615**

50 UNITS/CASE

### Button Switch Pencil

- Ceramic coated blade electrode
- Holster
- 3 m (10 ft) cord
- 3 pin connection

**VL2615DB**

50 UNITS/CASE

### Button Switch Pencil

- Ceramic coated blade electrode
- Holster
- 4,50 m (15 ft) cord
- 3 pin connection

**VL2615E**

50 UNITS/CASE

### Button Switch Pencil

- Ceramic coated blade electrode
- Holster
- 4,50 m (15 ft)
- 1 pin connection

See Quick Reference Index on page 68

# Electrosurgical Pencils, Sterile, Single Use With Arthroscopic Electrode



**E2510H**

10 UNITS/CASE

## **Rocker Switch Pencil**

- Insulated
- Arthroscopic right-angle hook electrode
- Stainless steel
- Total length: 21,6 cm (8,5 in)
- Active length: 0,19 cm (0,075 in)
- Holster
- 3 m (10 ft) cord

*Accepts all standard 2,4 mm (3/32 in.) shaft electrodes. See Quick Reference Index on page 68*

# Electrosurgical Pencil and Accessories



**E2100** 10 UNITS/CASE

**Rocker Switch Pencil, Reusable**

Accepts all standard 2,4 mm (3/32 in.) shaft electrodes

- Reusable stainless steel blade electrode
- Non-sterile
- 4,6 m (15 ft) silicone cord
- 50 uses
- Steam or EtO sterilizable
- 3 pin connector (Valleylab generators)



**E2100E** 10 UNITS/CASE

**Rocker Switch Pencil, Reusable**

Accepts all standard 2,4 mm (3/32 in.) shaft electrodes

- Reusable stainless steel blade electrode
- Non-sterile
- 4,6 m (15 ft) silicone cord
- 50 uses
- Steam or EtO sterilizable
- For Erbe ACC/ICC generator



**E2400** 50 UNITS/CASE

**Electrosurgery Accessory Holster**

- Sterile, single use



**E2401** 100 UNITS/CASE

**LectroBasive™ Tip Cleaner**

For use with stainless steel electrodes

- Sterile, single use
- 5,08 cm × 5,08 cm (2 in. × 2 in.)
- Adhesive backing
- X-ray detectable



# Suction Coagulators, Sterile, Single Use



**E2608-6** 25 UNITS/CASE **8 Fr** ○

### Hand Switching Suction Coagulator

- 8 Fr (2,7 mm; 0,105 in. diameter)
- 15,24 cm (6 in.) shaft length



**E2505-10FR** 25 UNITS/CASE **10 Fr** ○

### Foot Switching Suction Coagulator

Requires E0502-1 monopolar adapter

- 10 Fr (3,3 mm; 0,131 in. diameter)
- 15,24 cm (6 in.) shaft length



**E3305** 25 UNITS/CASE **12 Fr** ○

### Foot Switching Suction Coagulator

Requires E0502-1 monopolar adapter

- 12 Fr (4 mm inner diameter)
- 6 inch shaft length
- Extra insulation layers
- Hand and foot switching



**E3310** 25 UNITS/CASE **10 Fr** ○

### Foot Switching Suction Coagulator

Requires E0502-1 monopolar adapter

- 10 Fr (3,3 mm inner diameter)
- 6 inch shaft length
- Extra insulation layers
- Hand and foot switching

# Electrosurgical Electrodes, Sterile, Single Use

## EDGE™ Coated Electrodes

### Coated Electrode Technology...

Coated electrodes provide a wide range of benefits to the surgeon, including improved surgical performance and easier cleaning as compared to traditional stainless steel electrodes. There are several types of coated electrodes, all of which perform differently during surgical procedures.

EDGE™ coated electrodes are manufactured using high-quality surgical steel and a durable, proprietary, elastomeric polymer coating. EDGE™ electrodes provide a more consistent surgical effect with lower power settings.

### Easy to Clean

Saves you time. With Valleylab's proprietary coating, no scraping is required. Just wipe clean with a wet sponge and continue.

### Durable and Bendable

Without compromising the integrity of the coating. EDGE™ coated electrodes are bendable up to 45 degrees without the coating degradation or flaking that can occur with PTFE electrodes.

### Improved Safety

With the NEW Safety Sleeve™ insulated electrodes. These electrodes provide an increased level of safety especially in procedures when the pencil tip can come in contact with unintended target tissue. There is no need to insulate these electrodes with rubber catheters or electrode tip protectors.

### Choice of Styles

EDGE™ coated electrodes are available in a wide variety of styles, including blades, needles, three electrode lengths, and insulated electrodes for increased safety when used in close proximity to non-targeted tissue.

EDGE™ electrodes are available in your choice of rocker or button switch pencil for greater convenience and cost savings.

**... To save surgeons and hospitals both time and money.**



**E1450G**

50 UNITS/CASE

#### EDGE™ Coated Blade Electrode

- Total length: 7,62 cm (3 in.)
- Active length: 2,8 cm (1,1 in.)



**E1450X**

50 UNITS/CASE

#### EDGE™ Coated Blade Electrode

- Hex locking
- Total length: 6,35 cm (2,5 in.)
- Active length: 2,8 cm (1,1 in.)



**E1450-4**

50 UNITS/CASE

#### EDGE™ Coated Blade Extended Electrode

- Total length: 10,16 cm (4 in.)
- Active length: 2,54 cm (1 in.)



**E1450-6**

50 UNITS/CASE

#### EDGE™ Coated Blade Extended Electrode

- Total length: 16,51 cm (6,5 in.)
- Active length: 2,54 cm (1 in.)



**E1475X**

50 UNITS/CASE

#### EDGE™ Coated Blade Extended Electrode

**For use when AccuVac™ smoke evacuation attachment is used**

- Hex-locking
- Total length: 6,99 cm (2,75 in.)
- Active length: 2,8 cm (1,1 in.)

Standard 2,4 mm (3/32 in.) shaft is designed to fit most electrosurgical pencils

## ELECTROSURGERY

# Electrosurgical Electrodes, Sterile, Single Use

## EDGE™ Coated Electrodes



**E1452**

50 UNITS/CASE

### EDGE™ Coated Needle Electrode

- Total length: 7,2 cm (2,84 in.)
- Active length: 2,8 cm (1,1 in.)
- Tip radius: 0,864 mm (0,034 in.)



**E1452-6**

50 UNITS/CASE

### EDGE™ Coated Needle Extended Electrode

- Total length: 16,51 cm (6,5 in.)
- Active length: 2,54 cm (1 in.)
- Tip radius: 0,864 mm (0,034 in.)



**E1455**

50 UNITS/CASE

### EDGE™ Coated Blade Electrode

- Insulated
- Hex locking
- Total length: 6,99 cm (2,75 in.)
- Active length: 5,1 mm (0,2 in.)



**E1455-4**

50 UNITS/CASE

### EDGE™ Coated Blade Extended Electrode

- Insulated
- Total length: 10,16 cm (4 in.)
- Active length: 5,1 mm (0,2 in.)

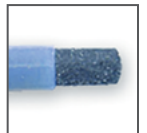


**E1455-6**

50 UNITS/CASE

### EDGE™ Coated Blade Extended Electrode

- Insulated
- Total length: 16,51 cm (6,5 in.)
- Active length: 5,1 mm (0,2 in.)



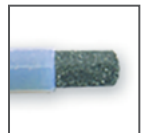
**E1455B**

25 UNITS/CASE

### EDGE™ Coated Blade Electrode

**Not compatible with foot switching pencils or AccuVac™ smoke evacuation attachment**

- Insulated
- Safety Sleeve™
- Total length: 6,99 cm (2,75 in.)
- Active length: 5,1 mm (0,2 in.)



**E1455B-4**

25 UNITS/CASE

### EDGE™ Coated Blade Extended Electrode

**Not compatible with foot switching pencils or AccuVac™ smoke evacuation attachment**

- Insulated
- Safety Sleeve™
- Total length: 10,16 cm (4 in.)
- Active length: 5,1 mm (0,2 in.)

Standard 2,4 mm (3/32 in.) shaft is designed to fit most electrosurgical pencils

**Electrosurgical Electrodes, Sterile, Single Use**  
**EDGE™ Coated Electrodes**



**E1465** 50 UNITS/CASE

**EDGE™ Coated Needle Electrode**

- Insulated
- Total length: 7,2 cm (2,84 in.)
- Active length: 5,1 mm (0,2 in.)
- Tip radius: 0,787 mm (0,031 in.)



**E1465-4** 50 UNITS/CASE

**EDGE™ Coated Needle Extended Electrode**

- Insulated
- Total length: 10,16 cm (4 in.)
- Active length: 5,1 mm (0,2 in.)
- Tip radius: 0,787 mm (0,031 in.)



**E1465-6** 50 UNITS/CASE

**EDGE™ Coated Needle Extended Electrode**

- Insulated
- Total length: 16,51 cm (6,5 in.)
- Active length: 5,1 mm (0,2 in.)
- Tip radius: 0,787 mm (0,031 in.)



**E1465B** 25 UNITS/CASE

**EDGE™ Coated Needle Electrode**

**Not compatible with foot switching pencils or AccuVac™ smoke evacuation attachment**

- Insulated
- Safety Sleeve™
- Total length: 7,21 cm (2,84 in.)
- Active length: 5,1 mm (0,2 in.)
- Tip radius: 0,787 mm (0,031 in.)



**E1465B-4** 25 UNITS/CASE

**EDGE™ Coated Needle Extended Electrode**

**Not compatible with foot switching pencils or AccuVac™ smoke evacuation attachment**

- Insulated
- Safety Sleeve™
- Total length: 10,16 cm (4 in.)
- Active length: 5,1 mm (0,2 in.)
- Tip radius: 0,787 mm (0,031 in.)

Standard 2,4 mm (3/32 in.) shaft is designed to fit most electrosurgical pencils

# Electrosurgical Electrodes, Sterile, Single Use

## Tungsten Microsurgical Needle Electrodes



**E1650** 10 UNITS/CASE

### Straight Microsurgical Needle

- Insulated
- Total length: 4,2 cm (1,65 in.)
- Exposed length: 2 cm (0,8 in.)
- Active length: 3,0 mm (0,120 in.)
- Tip radius: 0,06 mm (0,0023 in.)



**E1651** 10 UNITS/CASE

### Straight Microsurgical Needle

- Insulated
- Total length: 5,4 cm (2,13 in.)
- Exposed length: 3 cm (1,2 in.)
- Active length: 3,0 mm (0,120 in.)
- Tip radius: 0,06 mm (0,0023 in.)



**E1652** 10 UNITS/CASE

### Microsurgical Needle

- Insulated
- Total length: 5,4 cm (2,13 in.)
- Exposed length: 3 cm (1,2 in.)
- Active length: 3,0 mm (0,120 in.)
- Tip radius: 0,06 mm (0,0023 in.)
- 45 degree angle, 3,0 mm (0,120 in.) from tip



**E1653** 10 UNITS/CASE

### Microsurgical Needle

- Insulated
- Total length: 5,4 cm (2,13 in.)
- Exposed length: 3 cm (1,2 in.)
- Active length: 3,0 mm (0,120 in.)
- Tip radius: 0,06 mm (0,0023 in.)
- 45 degree angle, 1 cm (0,4 in.) from tip



**E1654B** 10 UNITS/CASE

### Microsurgical Needle With Safety Sleeve™

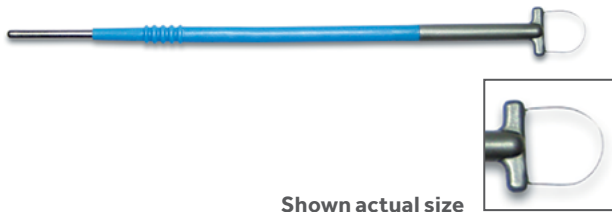
**Not compatible with foot switching pencils or AccuVac™ smoke evacuation attachment**

- Insulated
- Safety Sleeve™
- Total length: 10,16 cm (4 in.)
- Exposed length: 9 cm (3,5 in.)
- Active length: 3,0 mm (0,120 in.)
- Tip radius: 0,06 mm (0,0023 in.)

Standard 2,4 mm (3/32 in.) shaft is designed to fit most electrosurgical pencils

## ELECTROSURGERY

# Electrosurgical Electrodes, Sterile, Single Use LLETZ Electrodes



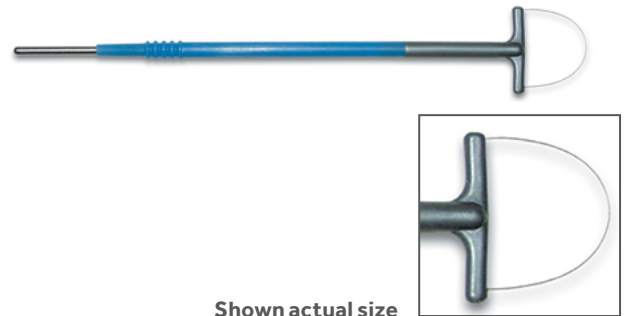
Shown actual size

**E1559**

10 UNITS/CASE

### Tungsten Loop

- 10 mm × 10 mm
- 13 cm (5 in.) shaft length



Shown actual size

**E1561**

10 UNITS/CASE

### Tungsten Loop

- 20 mm × 12 mm
- 13 cm (5 in.) shaft length



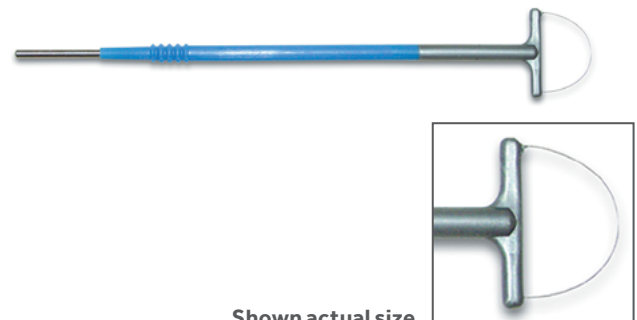
Shown actual size

**E1560**

10 UNITS/CASE

### Tungsten Loop

- 10 mm × 20 mm
- 13 cm (5 in.) shaft length



Shown actual size

**E1562**

10 UNITS/CASE

### Tungsten Loop

- 20 mm × 15 mm
- 13 cm (5 in.) shaft length

Standard 2,4 mm (3/32 in.) shaft is designed to fit most electrosurgical pencils

## ELECTROSURGERY

# Electrosurgical Electrodes, Sterile, Single Use LLETZ Electrodes



Shown actual size

**E1563**

10 UNITS/CASE

### Stainless Steel Ball

- 3 mm diameter
- 13 cm (5 in.) shaft length



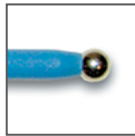
Shown actual size

**E1565**

10 UNITS/CASE

### Tungsten Square Loop

- 5 mm × 5 mm
- 13 cm (5 in.) shaft length



Shown actual size

**E1564**

10 UNITS/CASE

### Stainless Steel Ball

- 5 mm diameter
- 13 cm (5 in.) shaft length



Shown actual size

**E1567**

10 UNITS/CASE

### Tungsten Square Loop

- 10 mm × 8 mm
- 13 cm (5 in.) shaft length

*Standard 2,4 mm (3/32 in.) shaft is designed to fit most electrosurgical pencils*



## ELECTROSURGERY

# Electrosurgical Electrodes, Sterile, Single Use Stainless Steel Electrodes



**E1550**

150 UNITS/CASE

### Stainless Steel Ball Electrode

- Total length: 5,33 cm (2,1 in.)
- Active length: 1 cm (0,4 in.)
- Diameter: 5 mm (3/16 in.)



**E1552**

150 UNITS/CASE

### Stainless Steel Needle Electrode

- Total length: 7,2 cm (2,84 in.)
- Active length: 2,8 cm (1,1 in.)
- Tip radius: 0,762 mm (0,030 in.)



**E1551G**

150 UNITS/CASE

### Stainless Steel Blade Electrode

- Total length: 6,2 cm (2,44 in.)
- Active length: 2,8 cm (1,1 in.)



**E1552-6**

50 UNITS/CASE

### Stainless Steel Extended Needle Electrode

- Total length: 16,51 cm (6,5 in.)
- Active length: 2,54 cm (1 in.)
- Tip radius: 0,762 mm (0,030 in.)



**E1551X**

150 UNITS/CASE

### Stainless Steel Blade Electrode

- Hex locking
- Total length: 6,2 cm (2,44 in.)
- Active length: 2,54 cm (1 in.)



**E2401**

100 UNITS/CASE

### LectroBasive™ Tip Cleaner

For use with stainless steel electrodes

- Sterile, single use
- 5,08 cm × 5,08 cm (2 in. × 2 in.)
- Adhesive backing
- X-ray detectable



**E1551-6**

50 UNITS/CASE

### Stainless Steel Extended Blade Electrode

- Total length: 16,51 cm (6,5 in.)
- Active length: 2,54 cm (1 in.)

Standard 2,4 mm (3/32 in.) shaft is designed to fit most electrosurgical pencils

## ELECTROSURGERY

# CleanCoat™ Laparoscopic Electrodes, Sterile, Single Use

## Solid Laparoscopic Electrodes



**E3770-36C** 10 UNITS/CASE

### CleanCoat™ Laparoscopic Straight Spatula Electrode 36 cm, coated

- Fits 5 mm cannulas
- Total length: 36 cm (14 in.)



**E3773-36C** 10 UNITS/CASE

### CleanCoat™ Laparoscopic Wire L-Hook Electrode 36 cm, coated

- Fits 5 mm cannulas
- Total length: 36 cm (14 in.)



**E3771-36C** 10 UNITS/CASE

### CleanCoat™ Laparoscopic Curved Spatula Electrode 36 cm, coated

- Fits 5 mm cannulas
- Total length: 36 cm (14 in.)



**E3773-45C** 10 UNITS/CASE

### CleanCoat™ Laparoscopic Wire L-Hook Electrode 45 cm, coated

- Fits 5 mm cannulas
- Total length: 45 cm (17,7 in.)



**E3771-45C** 10 UNITS/CASE

### CleanCoat™ Laparoscopic Curved Spatula Electrode 45 cm, coated

- Fits 5 mm cannulas
- Total length: 45 cm (17,7 in.)



**E3774-36C** 10 UNITS/CASE

### CleanCoat™ Laparoscopic Flat L-Hook Electrode 36 cm, coated

- Fits 5 mm cannulas
- Total length: 36 cm (14 in.)



**E3772-36C** 10 UNITS/CASE

### CleanCoat™ Laparoscopic Wire J-Hook Electrode 36 cm, coated

- Fits 5 mm cannulas
- Total length: 36 cm (14 in.)



**E3774-45C** 10 UNITS/CASE

### CleanCoat™ Laparoscopic Flat L-Hook Electrode 45 cm, coated

- Fits 5 mm cannulas
- Total length: 45 cm (17,7 in.)

Standard 2,4 mm (3/32 in.) shaft is designed to fit most electrosurgical pencils, including E2515, E2516, FT3000, FT3000DB

# Electrosurgical Electrodes, Sterile, Single Use

## Arthroscopic Electrodes



**E1510**

10 UNITS/CASE

### Arthroscopic Right-Angle Hook Electrode

Not compatible with foot switching pencils

- Insulated
- Stainless steel
- Total length: 21,6 cm (8,5 in.)
- Active length: 0,19 cm (0,075 in.)



**E1512**

10 UNITS/CASE

### Arthroscopic Angled Blade Electrode

Not compatible with foot switching pencils

- Insulated
- Stainless steel
- Total length: 21,6 cm (8,5 in.)
- Active length: 0,19 cm (0,075 in.)



**E1511**

10 UNITS/CASE

### Arthroscopic 45-Degree Angle Hook Electrode

Not compatible with foot switching pencils

- Insulated
- Stainless steel
- Total length: 21,6 cm (8,5 in.)
- Active length: 0,19 cm (0,075 in.)

Standard 2,4 mm (3/32 in.) shaft is designed to fit most electro-surgical pencils

# Electrosurgical Electrodes, Non-Sterile, Reusable Stainless Steel Electrodes

Steam/EtO sterilizable



**E1000**

1 EACH

**Stainless Steel Ball Electrode**

- Total length: 5,33 cm (2,1 in.)
- Active length: 1 cm (0,4 in.)
- Diameter: 3,2 mm (1/8 in.)



**E1005**

1 EACH

**Tungsten Wire Loop Electrode**

- Total length: 5 cm (2 in.)
- Active length: 0,95 cm (0,38 in.)
- Diameter: 9,5 mm (3/8 in.)



**E1002**

1 EACH

**Stainless Steel Ball Electrode**

- Total length: 5,1 cm (2 in.)
- Active length: 5,6 mm (0,22 in.)
- Diameter: 5,6 mm (7/32 in.)



**E1020**

1 EACH

**Stainless Steel Blade Electrode**

- Hex locking
- Total length: 7 cm (2,75 in.)
- Active length: 2,8 cm (1,1 in.)



**E1003**

1 EACH

**Stainless Steel Fine-Needle Electrode**

- Total length: 6,6 cm (2,6 in.)
- Active length: 2,54 cm (1 in.)
- Tip radius: 0,51 mm (1/64 in.)



Only sold in selected countries

**303-2**

5 UNITS/CASE

**Reger™ Needle Electrode; 20 × Ø 0,7 mm**

- Connector pen: 2,4 mm
- Mechanical properties: to cut tissue
- Electrical properties: according to IEC 60601-1, IEC 60601-2-2
- Reprocessing: 300 times autoclavable at 134 °C; holding time 10 min
- Material: 1.4305, polyamide
- Color: black

Standard 2,4 mm (3/32 in.) shaft is designed to fit most electrosurgical pencils

**Electrosurgical Accessories, Non-Sterile, Reusable**  
Electrode Extensions

Steam/EtO sterilizable.



Only sold in selected countries

**361-0** 5 UNITS/CASE

**Tungsten Loop Electrode**

- Loop diameter: 25 mm
- Shaft length: 110 mm



Only sold in selected countries

**361-1** 5 UNITS/CASE

**Tungsten Loop Electrode**

- Loop diameter: 30 mm
- Shaft length: 110 mm



**E1502** 1 EACH

**Straight Electrode Extension**

Compatible with standard 2,4 mm (3/32in.) shaft electrodes

- Total length: 13 cm (5,1 in.)
- Extension length: 10,2 cm (4 in.)



**E1504** 1 EACH

**Straight Electrode Extension**

Compatible with standard 2,4 mm (3/32in.) shaft electrodes

- Fits 5 mm cannulas
- Total length: 34,3 cm (13,5 in.)
- Extension length: 31,5 cm (12,4 in.)



Only sold in selected countries

**301-5** 5 UNITS/CASE

**Reger™ Angled Blade Electrode**

- 20 × 2,5 mm
- 45° angled connector: 2,4 mm
- Autoclavable at 134 °C
- Material: 1.4305, polyamide
- Color: black



Only sold in selected countries

**374-3** 1 EACH

**Reger™ Electrode Adapter**

- 2,4 mm to 4 mm
- Autoclavable at 134 °C
- Color: black



Only sold in selected countries

**374-5** 1 EACH

**Reger™ Electrode Extension**

For use with 2,4 mm electrodes and pencils

- Length: 90 mm
- Autoclavable at 134 °C
- Color: black



Only sold in selected countries

**374-6** 1 EACH

**Reger™ Electrode Extension**

For use with 2,4 mm electrodes and pencils

- Length: 140 mm
- Autoclavable at 134 °C
- Color: black

Standard 2,4 mm (3/32 in.) shaft is designed to fit most electrosurgical pencils

## ELECTROSURGERY

# Electrosurgical Accessories, Sterile, Single Use Tip Cleaner, Holster



**E2401**

100 UNITS/CASE

### LectroBrasive™ Tip Cleaner

For use with stainless steel electrodes

- Sterile, single use
- 5,08 cm × 5,08 cm (2 in. × 2 in.)
- Adhesive backing
- X-ray detectable



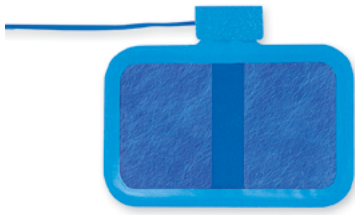
**E2400**

50 UNITS/CASE

### Electrosurgery Accessory Holster

- Sterile, single use

# Patient Return Electrodes, Non-Sterile, Single Use Corded

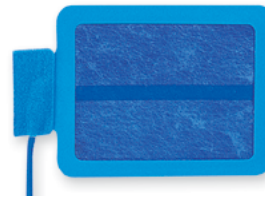


**E7507** 50 UNITS/CASE

### Adult REM PolyHesive™ II Patient Return Electrode

For use with RECQM generators

- For patients > 30 lbs (> 13,6 kg)
- 2,7 m (9 ft) cord



**E7510-25DB** 25 UNITS/CASE

### Infant REM PolyHesive™ II Patient Return Electrode

For use with RECQM generators

- For patients 6-30 lbs (2,72 – 13,6 kg)
- 4,6 m (15 ft) cord



**E7507-DB** 50 UNITS/CASE

### Adult REM PolyHesive™ II Patient Return Electrode

For use with RECQM generators

- For patients > 30 lbs (> 13,6 kg)
- 4,6 m (15 ft) cord

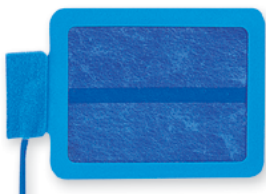


**E7512** 12 UNITS/CASE

### Neonatal REM PolyHesive™ II Patient Return Electrode

For use with RECQM generators

- For patients 1 – 6 lbs (0,45 kg – 2,72 kg)
- 2,7 m (9 ft) cord



**E7510-25** 25 UNITS/CASE

### Infant REM PolyHesive™ II Patient Return Electrode

For use with RECQM generators

- For patients 6 – 30 lbs (2,72 – 13,6 kg)
- 2,7 m (9 ft) cord

RECQM = Return Electrode Contact Quality Monitoring

# Patient Return Electrodes, Non-Sterile, Single Use Non-Corded



**E7509** 50 UNITS/CASE, 5 per package  
10 resealable packages per case

### Adult REM PolyHesive™ II Patient Return Electrode

Requires E0560 reusable cord/clamp

For use with RECQM generators

- For patients > 30 lbs (> 13,6 kg)



**HRA6** 50 UNITS/CASE, 10 units per pouch

### Valleylab™ Universal Patient Return Electrode

- Removable sticker for health record
- Waterproof and resistant to liquids
- No specific orientation needed
- ProRe™ Hydrogel



**E7509-B** 600 UNITS/CASE  
50 per package, 12 resealable packages

### Adult REM PolyHesive™ II Patient Return Electrode

Requires E0560 reusable cord/clamp

For use with RECQM generators

- For patients > 30 lbs (> 13,6 kg)

*B = Bulk*



# Patient Return Electrode Cord



E0560

1 EACH

## Patient Return Electrode Cord/Clamp, Reusable

Compatible with with RECQM generators

For use with E7508, E7509 and E7509-B patient return electrodes

- REM™ pin connector
- 4,6 m (15 ft) cord



E0560E

1 EACH

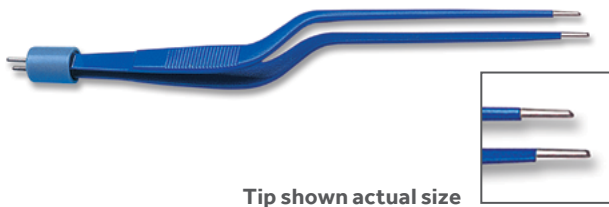
## Patient Return Electrode Cord/Clamp

For use with E7509 and E7509-B patient return electrodes and ERBE generators

- 4,6 m (15 ft) cord

# Foot Switching Bipolar Forceps, Non-Sterile, Reusable

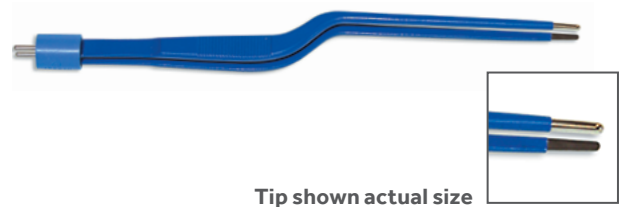
**Steam/EtO sterilizable**  
 Only sold in selected countries



**E4051-CT** 1 EACH

**Scoville-Greenwood Bayonet Forceps†**

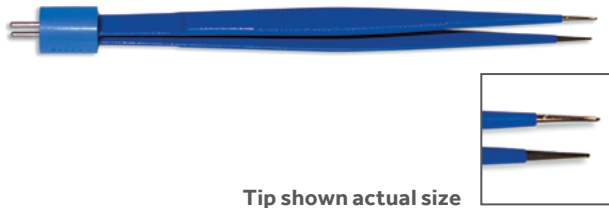
- Insulated
- Smooth tips
- Total length: 19,7 cm (7,75 in.)
- Tip: 1,5 mm



**E4054-CT** 1 EACH

**Cushing Bayonet Forceps†**

- Insulated
- Smooth tips
- Total length: 19,1 cm (7,5 in.)
- Tip: 2,0 mm



**E4052-CT** 1 EACH

**Cushing Forceps†**

- Insulated
- Smooth tips
- Total length: 15,2 cm (6 in.)
- Tip: 0,7 mm



**E4055-CT** 1 EACH

**Jewelers Forceps, Straight Tip†**

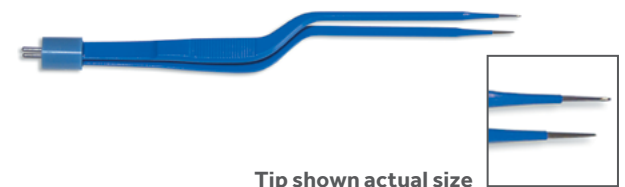
- Insulated
- Smooth tips
- Total length: 10,2 cm (4 in.)
- Tip: 0,4 mm



**E4053-CT** 1 EACH

**Cushing Forceps†**

- Insulated
- Smooth tips
- Total length: 17,8 cm (7 in.)
- Tip: 1,5 mm



**E4057-CT** 1 EACH

**Gerald Bayonet Forceps†**

- Insulated
- Smooth tips
- Total length: 19,1 cm (7,5 in.)
- Tip: 0,7 mm

† Requires E0512 single use cords or QI2401 or E0020V reusable cords

# Foot Switching Bipolar Forceps, Non-Sterile, Reusable

Steam/EtO sterilizable

Only sold in selected countries



Tip shown actual size

**E4058-CT**

1 EACH

### Cushing Bayonet Forceps

- Insulated
- Smooth tips
- Total length: 19,1 cm (7,5 in.)
- Tip: 0,7 mm



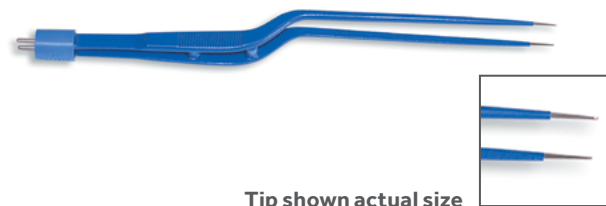
Tip shown actual size

**E4062-CT**

1 EACH

### Curved Iris Forceps

- Insulated
- Smooth tips
- Total length: 8,9 cm (3,5 in.)
- Tip: 0,5 mm



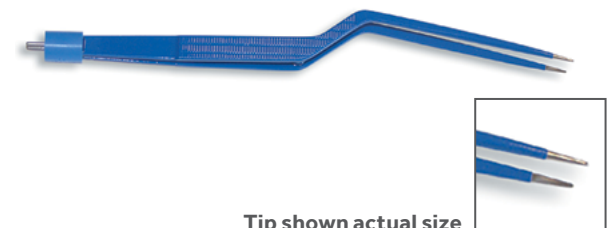
Tip shown actual size

**E4059-CT**

1 EACH

### Hardy Bayonet Forceps with Stops\*

- Insulated
- Smooth tips
- Total length: 20,9 cm (8,25 in.)
- Tip: 0,5 mm



Tip shown actual size

**E4073-CT**

1 EACH

### Titanium Bayonet Forceps

- Insulated
- Smooth tips
- Total length: 22,2 cm (8,75 in.)
- Tip: 1,0 mm



Tip shown actual size

**E4060-CT**

1 EACH

### Semkin Forceps with Stops\*

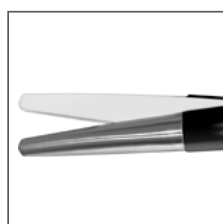
- Insulated
- Smooth tips
- Total length: 14 cm (5,5 in.)
- Tip: 0,5 mm

\*Stops prevent scissoring of the tip

# Bipolar Coagulation Scissors, Non-Sterile, Reusable

Medtronic bipolar coagulation scissors are available with three different jaw designs and can be used with common bipolar cables (European flat connector).

Only sold in selected countries



**MEDTRONIC REUSABLE BIPOLAR COAGULATION SCISSORS** 1 EACH

**Standard Blade**

- E97015BPS – 180 mm
- E97016BPS – 210 mm
- E97017BPS – 230 mm
- E97013BPS – 280 mm

- Can be used with standard bipolar forceps cords (e.g. E360131L, E360150L)
- Autoclavable at 134 °C
- Umax 300 Vp



**MEDTRONIC REUSABLE BIPOLAR COAGULATION SCISSORS** 1 EACH

**Slim Blade**

- E97011BPS – 180 mm
- E97018BPS – 210 mm
- E97012BPS – 230 mm
- E97014BPS – 280 mm

- Can be used with standard bipolar forceps cords (e.g. E360131L, E360150L)
- Autoclavable at 134 °C
- Umax 300 Vp



**MEDTRONIC REUSABLE BIPOLAR COAGULATION SCISSORS** 1 EACH

**Micro Blade**

- E97020BPS – 140 mm
- E97021BPS – 175 mm

- Can be used with standard bipolar forceps cords (e.g. E360131L, E360150L)
- Autoclavable at 134 °C
- Umax 300 Vp

**Electrosurgical Accessories, Sterile, Single Use  
Cords**



**FT0510** 25 UNITS/CASE

**Foot Switching Monopolar Cord Valleylab™ Mode**

Connects any surgical instrument with a 4 mm connect or to the ForceTriad™ energy platform

- Delivers Valleylab™ mode
- Works with EndoShears, EndoDissectors, Roticulators, reusable lap handles
- 3 m (10 ft)



**E0520** 10 UNITS/CASE

**Valleylab Trigger™ Switch and Cord**

Converts most monopolar foot-activated laparoscopic and thorascopic instruments to hand activation

- Accepts 4 mm male post connector
- Trigger switch total length: 12,7 cm (5 in.)
- Monopolar connecting cord 3,0 m (10 ft)



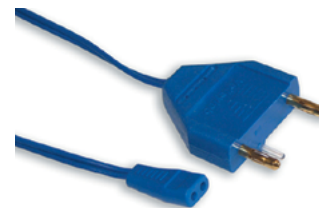
**E0503** 50 UNITS/CASE

**Foot Switching Monopolar Cord**

For use with ACMI Classic Series, pediatric, classic long resectoscopes and ACMI Bugbee electrodes

Requires E0502-1 monopolar adapter

- 3 m (10 ft)



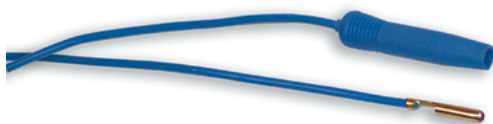
**E0512** 50 UNITS/CASE

**Foot Switching Bipolar Forceps Cord**

For use with Valleylab™ bipolar foot switching forceps

Compatible with Force™ series and SurgiStat™ II generators

- Moulded plug
- 3,6 m (12 ft)



**E0510** 50 UNITS/CASE

**Foot Switching Monopolar Laparoscopic Cord**

For use with most monopolar laparoscopic instruments

Requires E0502-1 monopolar adapter

- Accepts 4 mm male post connector
- 3 m (10 ft)

# Electrosurgical Accessories, Non-Sterile, Reusable Bipolar Cords



92067

1 EACH

## **Reger™ Cable for Ethicon PowerStar Bipolar Scissors for International 2-pole Models, 5,0 m**

- Generator side plug: international 2-pole model
- Instrument side plug: Ethicon PowerStar Bipolar Scissors
- Mechanical properties: to connect Ethicon PowerStar Bipolar Scissors with generators from international models
- Electrical properties: according to IEC 60601-1, IEC 60601-2-2
- Reprocessing: 300 times autoclavable at 134 °C; holding time 10 min
- Combination items: Ethicon PowerStar Bipolar Scissors
- Colour: grey
- Surface: matt

# Electrosurgical Accessories, Non-Sterile, Reusable Bipolar Cords

**Steam sterilizable**



**E0020V** 1 EACH

**Foot Switching Bipolar Cord**

For use with the ForceTriad™ and Valleylab™ FX8 energy platforms

Also compatible with all Force™ series and SurgiStat™ II generators

For use with Valleylab™ bipolar foot switching forceps

- Moulded plug
- 4,5 m (15 ft)



**E0021S** 1 EACH

**Foot Switching Bipolar Cord**

For use with the ForceTriad™ and Valleylab™ FX8 energy platforms

Also compatible with all Force™ series and SurgiStat™ II generators

Compatible with most Storz bipolar instruments

- Moulded plug
- 4,5 m (15 ft)



**E0022W** 1 EACH

**Foot Switching Bipolar Cord**

For use with the ForceTriad™ and Valleylab™ FX8 energy platforms

Also compatible with all Force™ series and SurgiStat™ II generators

Compatible with most Wolf bipolar forceps

- Moulded plug
- 4,5 m (15 ft)

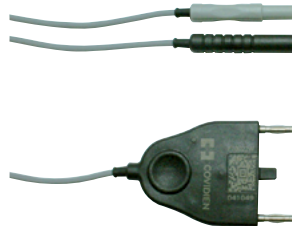
**Bipolar resection cords**



**FT0021S** 1 EACH

**Storz™ Bipolar Resection Cord**

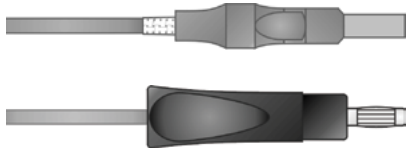
- To be used with Storz™ bipolar Resectoscopes
- To be used with the ForceTriad™ energy platform
- Reusable
- 4,6 m cord



**FT0022W** 1 EACH

**Wolf Bipolar Resection Cord**

- To be used with Wolf bipolar resectoscopes
- To be used with the ForceTriad™ energy platform
- Reusable
- 4,6 m cord



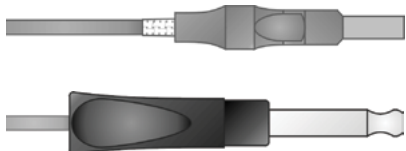
**360186**

1 EACH

**Foot Switching Monopolar Cord**

For use with Erbe ACC/ICC generators

- 4 mm female connector
- 3,5 m (11,5 ft)
- Use with Monopolar Forceps 700XXX



**360187**

1 EACH

**Foot Switching Monopolar Cord**

For use with Valleylab

- Jack 8 mm connector
- 3,5 m (11,5 ft)
- Use with Monopolar Forceps 700XXX



# Electrosurgical Accessories, Non-Sterile, Reusable Adapters



**E0017** 1 EACH

**Universal Monopolar Adapter**

Compatible with Valleylab™ and most electrosurgical generators for foot switching activation

- Accepts standard monopolar accessory cords up to 6 mm



**E0502-1** 1 EACH

**Monopolar Adapter**

Compatible with Valleylab™ and most electrosurgical generators for foot switching activation

- Accepts standard monopolar accessory cord pin connectors up to 3,2 mm

**E0005-3C** 1 EACH

**Monopolar Adapter**

- Accepts 4 mm standard active accessory



**368587** 1 EACH

**Monopolar Adapter**

For use with Martin/ Berchtold generators

- Accepts Valleylab™ 3 pin electrosurgical pencils



**368687** 1 EACH

**Monopolar Adapter**

For use with Erbe ACC/ICC generators

- Accepts Valleylab™ 3 pin electrosurgical pencils



**E0507-B** 1 EACH

**Multiple Return/S Cord Adapter**

For use with all Valleylab™ REM-equipped generators

- Accepts Valleylab™ REM PolyHesive™ II patient return electrodes
- Enables use of two patient return electrodes
- Enables use of an S cord

## Electrosurgical Accessories

## E0504-2 Non-REM™ Patient Return Electrode Adapter Quick Reference Index

**For use with the following generators:**

Birtcher/Bard System 2000BP  
 Birtcher/Bard System 2000BP-11  
 Birtcher/Bard System 3000  
 Birtcher/Bard System 5000  
 Burdick SU-7  
 Burdick SU-8  
 Cameron-Miller 26-1290  
 Cameron-Miller 26-2500  
 Cameron-Miller 80-1983  
 Circon/ACMI Wrappler BC-200  
 Circon/ACMI Wrappler C-650  
 Circon/ACMI Wrappler C-650-FO  
 Concept 9600  
 Concept 9900  
 ConMed/Aspen Labs 100  
 ConMed/Aspen Labs 180  
 ConMed/Aspen Labs 360  
 ConMed/Aspen Labs 360 A  
 ConMed/Aspen Labs MF380  
 ConMed/Aspen Labs MF450  
 EMS/Davol/NDM Blendtomes  
 EMS/Davol/NDM Hyfrecators  
 EMS/Davol/NDM 701-706  
 EMS/Davol/NDM 737  
 EMS/Davol/NDM 737XL  
 EMS/Davol/NDM 771  
 EMS/Davol/NDM 772  
 EMS/Davol/NDM 773  
 Maxxim CSV Bovie  
 Maxxim URO Bovie  
 Maxxim/Bovie X-10  
 Maxxim Solid State 400  
 Maxxim Solid State 400 B  
 Maxxim Solid State 400SR  
 Microvasive Endostat, Endostat II  
 Neomed/Richards 3000 Series  
 Utah Medical Finesse

**92394**

1 EACH

**Bipol. Adapter International / ERBE™ Cable**

- Generator side: international version 2 pol.
- Accessory side: bipolar cable with ERBE™ plug
- Electrical properties: according to IEC 60601-1, IEC 60601-2-2
- Autoclavable at 134 °C

## Electrosurgical Accessories

## Monopolar Cord Quick Reference Index

Product Number	Product	Length	Single Use/Reusable	Order Quantity	Comments
E0510	Foot Switching Laparoscopic Instrument Cord	3 m (10 ft)	Single Use	50 units/case	Accepts standard 4 mm male post connector Requires E0502-1 monopolar adapter
E0503	Foot Switching Bugbee Electrode Cord	3 m (10 ft)	Single Use	50 units/case	Requires E0502-1 monopolar adapter
360186	Foot Switching	3,5 m (11,5 ft)	Reusable	1 each	Accepts 4 mm male connector generators
360187	Foot Switching	3,5 m (11,5 ft)	Reusable	1 each	Accepts 4 mm male connector generators

## Bipolar Cord Quick Reference Index

Product Number	Product	Length	Single Use/Reusable	Order Quantity	Comments
E0512	Foot Switching Forceps Cord	3,6 m (12 ft)	Single Use	50 units/case	Three-pin moulded plug is compatible with Force™ series and SurgiStat™ II generators
E0020V	Foot Switching Bipolar Cord	4,6 m (15 ft)	Reusable – Steam	1 each	Moulded plug Accepts Valleylab™ bipolar foot switching forceps
E0021S	Foot Switching Bipolar Cord	4,6 m (15 ft)	Reusable – Steam	1 each	Moulded plug Accepts most Storz bipolar instruments
E022W	Foot Switching Bipolar Cord	4,6 m (15 ft)	Reusable – Steam	1 each	Moulded plug Accepts most Wolf bipolar forceps
E360131L	Foot Switching Forceps Cord	4,6 m (15 ft)	Reusable – Steam/EtO	1 each	For use with ErbeStorz Wolf generators
E360139L E360150L	Foot Switching Forceps Cord	4,6 m (15 ft)	Reusable – Steam/EtO	1 each	For use with Valleylab generators
E360139L	Foot Switching Forceps Cord	4,6 m (15 ft)	Reusable – Steam/EtO	1 each	For use with Martin/Berchtold generators
E360135	Foot Switching Forceps Cord	4,6 m (15 ft)	Reusable – Steam/EtO	1 each	Standard twin pin plug
FT0021S	Foot Switching Cord	4,6 m (15 ft)	Reusable – Steam/EtO	1 each	For use with ForceTriad™ energy platform
FT0022W	Foot Switching Cord	4,6 m (15 ft)	Reusable – Steam/EtO	1 each	For use with ForceTriad™ energy platform

# Laparoscopic Instruments, Sterile, Single Use Opti4™ Handset and Retractable Hollow Laparoscopic Electrodes



**E2750** 10 UNITS/CASE

### Opti4™ Laparoscopic Handset

Requires Opti4™ retractable and non-retractable electrodes

- Laparoscopic suction/irrigation device with cut and coag
- Pencil-grip
- 3 m (10 ft) cord



**E2783R-36ASP** 10 UNITS/CASE

### Wire L-Hook Tip

Requires E2750 Opti4™ handset

- Fits 5 mm cannulas
- Aspiration holes
- Insulated tip
- Total length: 36 cm (14 in.)



**E2781R-28ASP** 10 UNITS/CASE

### Curved Spatula Tip

Requires E2750 Opti4™ handset

- Fits 5 mm cannulas
- Aspiration holes
- Total length: 28 cm (11 in.)



**E2784R-28ASP** 10 UNITS/CASE

### Flat L-Hook Tip

Requires E2750 Opti4™ handset

- Fits 5 mm cannulas
- Aspiration holes
- Insulated tip
- Total length: 28 cm (11 in.)



**E2782R-28ASP** 10 UNITS/CASE

### Wire J-Hook Tip

Requires E2750 Opti4™ handset

- Fits 5 mm cannulas
- Aspiration holes
- Insulated tip
- Total length: 28 cm (11 in.)

# Laparoscopic Instruments, Sterile, Single Use

## Opti4™ Non-Retractable Hollow Laparoscopic Electrodes



**E2780-28**

10 UNITS/CASE

### Straight Spatula Tip

Requires E2750 Opti4™ handset

- Fits 5 mm cannulas
- Total length: 28 cm (11 in.)



**E2783-28**

10 UNITS/CASE

### Wire L-Hook Tip

Requires E2750 Opti4™ handset

- Fits 5 mm cannulas
- Total length: 28 cm (11 in.)



**E2781-28**

10 UNITS/CASE

### Curved Spatula Tip

Requires E2750 Opti4™ handset

- Fits 5 mm cannulas
- Total length: 28 cm (11 in.)



**E2784-28**

10 UNITS/CASE

### Flat L-Hook Tip

Requires E2750 Opti4™ handset

- Fits 5 mm cannulas
- Total length: 28 cm (11 in.)



**E2782-28**

10 UNITS/CASE

### Wire J-Hook Tip

Requires E2750 Opti4™ handset

- Fits 5 mm cannulas
- Total length: 28 cm (11 in.)



**E2786-28**

10 UNITS/CASE

### Cylindrical Tip

Requires E2750 Opti4™ handset

- Fits 5 mm cannulas
- Total length: 28 cm (11 in.)

# Argon-Enhanced Electrosurgery

## Argon 4 Plasma coagulator System and Accessories



**07179**

1 EACH

**Argon™ 4 Plasma generator**

The Argon™ 4 plasma generator is designed to work in conjunction with Valleylab electrosurgical units

- Interactive LCD screen
- Individual gas flow settings for CUT & COAG
- Gas level meter on display
- Supports 2 individual Argon tanks
- Dimensions 410 × 300 × 145mm
- Weight: 5,35kg



**10760**

1 EACH

**Argon™ Adapter Valleylab™ E2520H Handpiece**

Compatible with Valleylab E2520H handpiece

- For use with Argon™ 4 Generator



**UC8015**

1 EACH

**Universal Mounting Cart Argon Gas Tank Kit**

- Holds 2 G-size 42 cubic ft tanks



**UC8009**

1 EACH

**Universal Mounting Cart**

- Rust resistant
- Conductive casters (2 locking, 2 non-locking)



**UC8010**

1 EACH

**Universal Mounting Cart Overshelf**

Ideal for a second electrosurgical generator, LigaSure™ vessel sealing system, RapidVac™ smoke evacuation system or Force Argon II™ system

- Supports 75 lbs centered on shelf

# Argon-Enhanced Electrosurgery

## Argon 4 Plasma coagulator Accessories



**10763** 1 EACH

**Argon™ Connection Hose**

Connection Hose length 280 mm

**10764** 1 EACH

**Argon™ Connection Hose**

Connection Hose length 750 mm

**10765** 1 EACH

**Argon™ Connection Hose**

Connection Hose length 1500 mm



**10761** 1 EACH

**Argon™ cable ESU**

Designed to be used with Valleylab Electrosurgical Generator

- 170 mm

**10762** 1 EACH

**Argon™ cable ESU**

Designed to be used with Valleylab™ Electrosurgical Generator

- 450 mm



**10767** 1 EACH

**Argon™ Cylinder connection**

Standard ISO 5145 N4;  
cylinder thread W24 × 2 mm RH Male



**10769** 1 EACH

**Argon™ Cylinder connection**

Standard DIN 477-1 N6;  
cylinder thread W 21,8 – 14 TPI RH Male



**10770** 1 EACH

**Argon™ Cylinder connection**

Standard BS341-3 N3;  
cylinder thread G 5/8" – 14 NGO RH Female



**10771** 1 EACH

**Argon™ Cylinder connection**

Standard UNI11144 N8;  
cylinder thread W24,51 × 1,814 RH Female



**10773** 1 EACH

**Argon™ Cylinder connection**

Standard NEN 3268 RU 3;  
cylinder thread W24,32 × 1/14" RH Male

## ELECTROSURGERY

# Argon-Enhanced Electrosurgery, Sterile, Single Use Argon Plus™ Handset



**E2520H**

10 UNITS/CASE

### **ArgonPlus™ Handset**

**Requires Argon Plus™ electrodes**

**Requires E0502-1 monopolar adapter**

- For delivery of standard or argon-enhanced electrosurgery
- 2,5 cm (1 in.) retractable blade electrode
- 3,6 m (10 ft.) cord
- Holster
- Electrode retraction control



# Argon-Enhanced Electrosurgery, Sterile, Single Use Argon Plus™ Electrodes



**E2530-3** 10 UNITS/CASE

**Flexible Electrode**

Requires E2520H Argon Plus™ handset

- Argon coagulation only
- 7,6 cm (3 in.) length



**E2580-28** 10 UNITS/CASE

**Laparoscopic Blade Electrode**

Requires E2520H Argon Plus™ handset

- Fits 5 mm cannulas
- 28 cm (11 in.) length
- Retractable electrode



**E2530-6** 10 UNITS/CASE

**Flexible Electrode**

Requires E2520H Argon Plus™ handset

- Argon coagulation only
- 15 cm (6 in.) length



**E2581-28** 10 UNITS/CASE

**Laparoscopic Modified Flat-L Electrode**

Requires E2520H Argon Plus™ handset

- Fits 5 mm cannulas
- 28 cm (11 in.) length
- Retractable electrode



**E2530-28** 10 UNITS/CASE

**Laparoscopic Flexible Electrode**

Requires E2520H Argon Plus™ handset

- Fits 5 mm cannulas
- Argon coagulation only
- 28 cm (11 in.) length



**E2583-28** 10 UNITS/CASE

**Laparoscopic Tungsten Blunt Needle Electrode**

Requires E2520H Argon Plus™ handset

- Fits 5 mm cannulas
- 28 cm (11 in.) length
- Retractable electrode



**E2532** 50 UNITS/CASE

**Tungsten Sharp Needle Electrode**

Requires E2520H Argon Plus™ handset

- 2,5 cm (1 in) length

# Smoke Evacuation Products

## RapidVac™ Smoke Evacuation System and Accessories



**SE3695** 1 EACH

**RapidVac™ Smoke Evacuator**

Requires SEA3700 RapidVac™ smoke evacuator filter

For use with any electrosurgical generator

- Evacuates electrosurgical smoke and laser plume
- Synchronizes with electrosurgical units for auto activation using SEA3730
- Five power levels plus turbo mode
- Maximum flow rate of 44 cfm
- Needs no prefilters or adapters



**SEA3730** 1 EACH

**RapidVac™ Interlink Cable**

Synchronizes RapidVac™ system to FT10, FX8 and Force Triad

- 3 m (10 ft) cable



**SEA3700** 2 UNITS/CASE

**RapidVac™ Smoke Evacuator Filter**

- Four-stage, ULPA filter technology
- Three convenient ports, no adapters needed  
 Port size: 6 mm (1/4 in.)  
           10 mm (3/8 in.)  
           22 mm (7/8 in.)
- No prefilter needed
- 25 hours of activation time; approximately three to five months actual use



**SEA3741** 1 EACH

**RapidVac™ Remote Switch Activator**

Synchronizes RapidVac™ System to any ES generator by sensing the RF Energy through the ES Pencil cable

- Adjustable delay of STOP function (0 to 10 sec)



**SEA3745** 1 EACH

**RapidVac™ Smoke Evacuator Foot Switch**

For use with RapidVac™ smoke evacuator

- 4,6 m (15 ft) cord

**Smoke Evacuation Products, Sterile, Single Use**  
**RapidVac™ Tubing**



**SEA3705** 10 UNITS/CASE

**Tubing, 1/4" × 10'**

- Connects directly to RapidVac™ smoke evacuator
- Lap tubing/no valve



**SEA3720** 12 UNITS/CASE

**Laparoscopic Tubing, 1/4" × 10'**

- Connects directly to RapidVac™ smoke evacuator
- In-line valve enables controlled smoke evacuation with minimal pneumoperitoneal pressure loss



**SEA3710** 10 UNITS/CASE

**Tubing, 3/8" × 10'**

- Connects directly to RapidVac™ smoke evacuator
- Interfaces with AccuVac™ pencil



**SEA3725** 10 UNITS/CASE

**Wand**

**Compatible with E3635 and SEA3715 7/8" tubing**

- For evacuation of laser plume; laser resistant
- 2,2 cm (7/8 in.) diameter
- 20 cm (8 in.) length



**SEA3715** 10 UNITS/CASE

**Tubing with Sponge Guard, 7/8" × 10'**

- Connects directly to RapidVac™ smoke evacuator



**E3595** 10 UNITS/CASE

**AccuVac™ Smoke Evacuation Attachment Extender**

For use with 15,24 cm (6 in.) extended electrodes

# Smoke Evacuation Products, Sterile, Single Use

## Smoke Evacuation Pencils and Attachments



**E2350HS** 25 UNITS/CASE

**Rocker Switch Pencil**

- EDGE™ coated hex-locking blade electrode
- AccuVac™ smoke evacuation attachment (requires a smoke evacuator)
- Holster
- 3/8" × 1' tubing with 3/8" tubing connector
- 3 m (10 ft) cord



**E2516HS** 25 UNITS/CASE

**Button Switch Pencil**

- Stainless steel hex-locking blade electrode
- AccuVac™ smoke evacuation attachment (requires a smoke evacuator)
- Holster
- 3/8" × 1' tubing with 3/8" tubing connector
- 3 m (10 ft) cord



**E2450HS** 25 UNITS/CASE

**Button Switch Pencil**

- EDGE™ coated hex-locking blade electrode
- AccuVac™ smoke evacuation attachment (requires a smoke evacuator)
- Holster
- 3/8" × 1' tubing with 3/8" tubing connector
- 3 m (10 ft) cord



**E3810** 20 UNITS/CASE

**Valleylab™ Smoke Attachment**

- 3/8" (1 cm) tubing, 10' (3 m)



**E2515HS** 25 UNITS/CASE

**Rocker Switch Pencil**

- Stainless steel hex-locking blade electrode
- AccuVac™ smoke evacuation attachment (requires a smoke evacuator)
- Holster
- 3/8" × 1' tubing with 3/8" tubing connector
- 3 m (10 ft) cord



**E3815** 20 UNITS/CASE

**Valleylab™ Smoke Attachment**

- 3/8" (1 cm) tubing, 15' (4,6 m)

See Quick Reference Index page 69

## ELECTROSURGERY

# Smoke Evacuation Products, Sterile, Single Use Smoke Evacuation Pencils and Attachments



**SEP5000** 20 UNITS/CASE

**Valleylab™ Smoke Evacuation Rocker Switch Pencil, Edge™ Blade Electrode 10' (3 m)**

**SEP5015** 20 UNITS/CASE

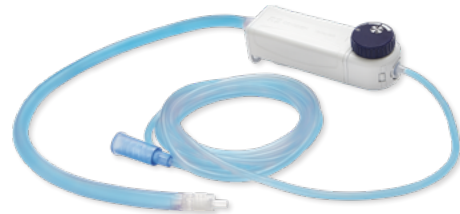
**Valleylab™ Smoke Evacuation Rocker Switch Pencil, Edge™ Blade Electrode 15' (4,6 m)**

**SEP6000** 20 UNITS/CASE

**Valleylab™ Telescoping Smoke Evacuation Rocker Switch Pencil, Edge™ Blade Electrode 10' (3 m)**

**SEP6015** 20 UNITS/CASE

**Valleylab™ Telescoping Smoke Evacuation Rocker Switch Pencil, Edge™ Blade Electrode 15' (4,6 m)**



**SEL7000A** 10 UNITS/CASE

**Valleylab™ Laparoscopic Smoke Evacuation System**

# Smoke Evacuation Products

OptiMumm™ Smoke Evacuation Accessories



**E3635**

12 UNITS/CASE

### **Tubing 7/8" × 10' with Sponge Guard and Prefilter Adapter**

For use with the OptiMumm™ smoke evacuator

- Sterile, single use
- 3,4 cm (1 1/3 in.) connector



**E3645**

10 UNITS/CASE

### **AccuVac™ Smoke Evacuation Attachment Tubing**

For use with E3590

- Sterile, single use
- 1 cm (3/8 in.) diameter
- 3 m (10 ft) length
- 3,4 cm (1 1/3 in.) diameter prefilter adapter

See Quick Reference Index page 69

**Smoke Evacuation Products**  
Smoke Evacuation Accessories



**RVFT10**

10 UNITS/CASE

**RapidVac™ Fluid Trap**

- No spill design – internal tortuous path prevents contents from leaking
- Capped connection ports with cap holders built into fluid trap
- 100 cc capacity with marked 25 cc graduations
- Clear construction allows for inspection of contents



**UC8010**

1 EACH

**Universal Mounting Cart Overshelf**

For use with UC8009 universal mounting cart only

**Ideal for RapidVac™ or OptiMumm™ smoke evacuation systems**

- Supports 75 lbs centered on shelf
- Supplied with cord management kit

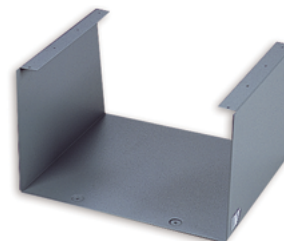


**UC8009**

1 EACH

**Universal Mounting Cart**

- Rust resistant
- Conductive casters (2 locking, 2 non-locking)
- Supplied with cord management kit



**UC8013**

1 EACH

**Universal Mounting Cart Suspended Shelf**

For use with UC8009 universal mounting cart only

**Not compatible with UC8012 drawer**

**Ideal for the RapidVac™ or OptiMumm™ smoke evacuation systems**

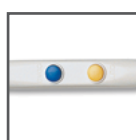
- Supports 75 lbs

# ELECTROSURGICAL PENCIL QUICK REFERENCE INDEX

Usage	Activation	Model	Electrode connection	Electrode technology	Electrode shape	Cord length	Specialty	Code	Packaging pcs/box	
Single use	Hand switching	Rocker	Hex-locking	EDGE™ Coated Electrode	Blade	3 m	With holster	E2350H	50	
							Smoke evacuation - holster	E2350HS	25	
						4,6 m	With holster	E2350H-DB	50	
				Stainless Steel	Blade	3 m		E2515	50	
							With holster	E2515H	50	
						4,6 m	With holster	E2515HS	25	
		Cylindrical	Stainless Steel	Needle	3 m	With holster	E2515H-DA	50		
					90° Angle	3 m	With holster	E2510H	10	
				Blade	3 m	With holster	E2450H	50		
			3 m		Smoke evacuation - holster	E2450HS	50			
			Stainless Steel		Blade	3 m		E2516	50	
				3 m		With holster	E2516H	50		
	3 m	Smoke evacuation - holster		E2516HS		25				
	Button	Hex-locking	EDGE™ Coated Electrode	Blade	3 m	With holster	E2450H	50		
						Smoke evacuation - holster	E2450HS	50		
						3 m		E2516	50	
					Stainless Steel	Blade	3 m	With holster	E2516H	50
							3 m	Smoke evacuation - holster	E2516HS	25
							3 m	Smoke evacuation - holster	E2516HS	25
		Cylindrical	Stainless Steel	Needle	3 m	Smoke evacuation - holster	E2516H-DA	50		
					Blade	3 m		VL2610	50	
						4,5 m	for ERBE ESU	VL2610E	50	
				4,5 m			VL2610DB	50		
				Coated Stainless Steel	Blade	3 m		VL2615	50	
4,5 m							VL2615E	50		
4,5 m		VL2615DB	50							
Button	Hex-locking	EDGE™ Coated Electrode	Blade	3 m	ValleyLab™ Mode	FT3000	25			
				4,6 m	ValleyLab™ Mode	FT3000DB	25			
Foot switching	Hex-locking	EDGE™ Coated Electrode	Blade	3 m	With holster	E2250H	50			
				Stainless Steel	Blade	3 m		E2504	50	
						3 m	With holster	E2504H	50	
Reusable	Hand switching	Rocker	Hex-locking	Stainless Steel	Blade	4,6 m		E2100	10	
							for ERBE ESU	E2100E	10	



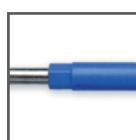
Rocker



Button



Cylindrical



Hex-locking



Holster



## SMOKE EVACUATION PENCIL QUICK REFERENCE INDEX

		E2350HS	E2450HS	E2515HS	E2516HS	E3590	E3595	SE3695	SEA3700	SEA3730	SEA3745	SEA3705	SEA3710	SEA3715	SEA3720	SEA3725	INS-500/515	INS-600/615	INS-400-150/EU	INS-410-150/EU	RVFT10
E2350HS	Disposable HS Smoke Evac Pencil						X		X			X			X						
E2450HS	Disposable HS Smoke Evac Pencil						X		X			X			X						
E2515HS	Disposable HS Smoke Evac Pencil						X		X			X			X						
E2516HS	Disposable HS Smoke Evac Pencil						X		X			X			X						
E3590	Smoke Evacuation Attachment	Fits on every Valleylab™ hand switching pencil																			
E3595	Accuvac Smoke Evac Extension	X	X	X	X																
SE3695	RapidVac™ Smoke Evacuator								X	X	X										
SEA3700	Filter for RapidVac™ Smoke Evacuator SE3695 X	X	X	X	X			X				X	X	X	X				X	X	
SEA3730	RapidVac™ Interlink Cable							X													
SEA3745	RapidVac™ Footswitch							X													
SEA3705	Tubing	X	X	X	X	X			X												
SEA3710	Tubing	X	X	X	X				X												
SEA3715	Tubing	X	X	X	X				X							X					
SEA3720	Laparoscopic Tubing	X	X	X	X	X			X												
SEA3725	Filter Saver with 2 Inlets of 10 mm	X	X	X	X	X			X												



## CAMERAS

**95-3901** 1 EACH

### Native full HD camera head

1 chip CMOS with parfocal zoom,  $f = 14.25\text{--}28\text{ mm}$ , hydrogen peroxide gas plasma sterilization compatible.

**95-3930** 1 EACH

### Native full HD camera control unit

With selective color enhancement, smoke reduction, and image capture.

## ACCESSORIES

**PS00510** 1 EACH

USB keyboard German layout

**PS00511** 1 EACH

USB keyboard English layout

**6226-ACAABZZZ-002** 1 EACH

Footswitch

## LAPAROSCOPES

**11.0055A** 1 EACH

5.0 mm HD laparoscope, 312 mm, 0° Wide angle

**11.0057A** 1 EACH

5.0 mm HD laparoscope, 312 mm, 30° Wide angle

**11.0031A** 1 EACH

10.0 mm HD laparoscope, 344 mm, 0° Wide angle

**11.0043A** 1 EACH

10.0 mm HD laparoscope, 344 mm, 30° Wide angle

**11.0041A** 1 EACH

10.0 mm HD laparoscope, 344 mm, 45° Wide angle

**LIGHT SOURCES AND LIGHT GUIDES**

**05.0740LED** 1 EACH

LED light source

**05.0090L** 1 EACH

4.8 × 2300 mm, light guide for LED light source

**05.0087L** 1 EACH

4.8 × 3000 mm, light guide for LED light source

**05.0088I.ht** 1 EACH

3.5 × 2300 mm, light guide recommended for Xenon™\* light sources > 300

**05.0090I.ht** 1 EACH

4.8 × 2300 mm, light guide recommended for Xenon™\* light sources

**05.0085L.ht** 1 EACH

3.5 × 3000 mm, light guide recommended for Xenon™\* light sources

**INSUFFLATOR**

**FM134** 1 EACH

Multi-mode insufflator (maximum 50 L/min)

**Z0293** 1 BOX = 10 PCS.

Disposable insufflation tubing with integrated filter

**Z0280†** 1 EACH

Reusable gas heating insufflation tubing, 100 uses

**Z0260** 1 BOX = 10 PCS.

Disposable gas heating insufflation tubing with integrated filter

**Z5044-01** 1 EACH

Hose for CO<sub>2</sub> gas bottle DIN:US, 1.5 m

**Z5045-01** 1 EACH

Hose for CO<sub>2</sub> gas bottle ISO:US, 1.5 m

**Z0499-01** 1 EACH

Hose for CO<sub>2</sub> gas bottle PIN:US, 1.5 m

**Z5100-01** 1 EACH

Hose for CO<sub>2</sub> central gas US:DIN, 3 m

**Z5101-01** 1 EACH

Hose for CO<sub>2</sub> central gas US:DIN, 5 m

**Z5102-01** 1 EACH

Hose for CO<sub>2</sub> central gas US:NF, 3 m

**Z5103-01** 1 EACH

Hose for CO<sub>2</sub> central gas US:NF, 5 m

**Z5104-01** 1 EACH

Hose for CO<sub>2</sub> central gas US:UNI, 3 m

**Z5105-01** 1 EACH

Hose for CO<sub>2</sub> central gas US:UNI, 5 m

**Z5106-01** 1 EACH

Hose for CO<sub>2</sub> central gas US:AGA, 3 m

Z5107-01 1 EACH

Hose for CO<sub>2</sub> central gas US:AGA, 5 m

Z5108-01 1 EACH

Hose for CO<sub>2</sub> central gas DISS:DISS, 3.0 m

Z5074-01 1 EACH

NIST adapter for universal gas connection

Z5075-01 1 EACH

DISS adapter for universal gas connection

Z5072-01 1 EACH

Sinter filter for universal gas connection

Z5048-01 1 EACH

Hose for CO<sub>2</sub> central gas DISS:DISS, 1 m

5073-01 1 EACH

US adapter for universal gas connection

Z5077-01 1 EACH

CO<sub>2</sub> gas connector, angled*† Not available for sale in the United States.***LAPAROSCOPIC SUCTION  
IRRIGATION PUMP<sup>†</sup>**

PP120 1 EACH

Laparoscopic suction irrigation pump with RFID

T0502-01 1 BOX = 10 PCS.

Tube set outflow, disposable

T0504-01 1 BOX = 10 PCS.

Tube set, vacuum, disposable

T0505-01 1 BOX = 10 PCS.

Tube set for irrigation, disposable

T0506-01 1 EACH

Tube set for irrigation, reusable, 20 uses

*† Not available for sale in the United States and Canada.***MONITORS**

MLW-2623C-DC 1 EACH

Full HD 26-inch monitor

MLW-3225C FULL 1 EACH

HD 32-inch monitor

**TOWERS**

KU-5483-902 1 EACH

Monitor cart

KU-5167-902 1 EACH

Cart for two monitors

KU-7211-902 1 EACH

Cart for 32-inch monitors (up to 19 kg)



**ENDOSCOPES**

- |   |               |
|---|---------------|
| <b>153-0052</b>   | <b>1 EACH</b> |
| <b>VS3 iridium endoscope 5 mm long, 30° standard FOV†</b> |               |
- |  |               |
|--|---------------|
| <b>153-0053</b>  | <b>1 EACH</b> |
| <b>VS3 iridium endoscope 5 mm long, 0° standard FOV†</b> |               |
- |  |               |
|--|---------------|
| <b>153-0072</b>  | <b>1 EACH</b> |
| <b>VS3 iridium endoscope 10 mm long, 30° standard FOV†</b> |               |
- |   |               |
|---|---------------|
| <b>153-0073</b>   | <b>1 EACH</b> |
| <b>VS3 iridium endoscope 10 mm long, 0° standard FOV†</b> |               |

† Field of view. 12 EleVision™ HD 1 System

**MICROSCOPE**

- |   |               |
|---|---------------|
| <b>174-0012</b>                                   | <b>1 EACH</b> |
| <b>Fluorescence miniature microscope (MMS-IR)</b> |               |

**CAMERA**

- |   |               |
|---|---------------|
| <b>174-0051</b>   | <b>1 EACH</b> |
| <b>VS3 iridium fluorescence camera (Camera-IR) CAMERA CONTROL UNIT†</b> |               |
- |  |               |
|--|---------------|
| <b>443-0001</b>  | <b>1 EACH</b> |
| <b>VS3 iridium camera control unit with iridium software license</b> |               |

† Only available as spare part for the VS3 Iridium system.

## LIGHT SOURCES AND LIGHT CABLES†

460-0011 1 EACH

**VS3 iridium laser light source**

560-6453 1 EACH

**VS3 Xenon™ light source**

161-0001 1 EACH

**VS3 iridium light beam combiner**

560-6462 1 EACH

**VS3 light cable***† Only available as spare part for the VS3 Iridium system.*

## MONITOR

550-5065 1 EACH

**27-inch 2DHD touch monitor***† Only available as spare part for the VS3 Iridium system.*

## DRAPES

115-0012 10 EACH

**Iridium MMS drapes†***† Distributed by third party vendor.**‡ Only available for sale in the United States.*

## ACCESSORIES†

519-1341 1 EACH

**VS3 rolling cart 230V**

115-0051 1 EACH

**VS3 iridium camera holding arm**

519-1709 1 EACH

**Twin gas bottle holder**

560-6478 1 EACH

**Replacement Xenon™ bulb***† Only available as spare part for the VS3 Iridium system.*

## Catalogue Number

<b>SYMBOLS</b>							
05.0085L.ht	63	560-6453	66	E0502-1	45	E1550	29
05.0087L	63	560-6462	66	E0503	41	E1551-6	29
05.0088l.ht	63	560-6478	66	E0507-B	45	E1551G	29
05.0090L	63	5073-01	64	E0510	41	E1551X	29
05.0090l.ht	63	6226-ACAABZZZ		E0512	41	E1552	29
05.0740LED	63	-002	62	E0520	41	E1552-6	29
11.0031a	62	07179	50	E0560	37	E1559	27
11.0041a	62	10760	50	E0560E	37	E1560	27
11.0043a	62	10761	51	E1000	32	E1561	27
11.0055a	62	10762	51	E1002	32	E1562	27
11.0057a	62	10763	51	E1003	32	E1563	28
95-3901	62	10764	51	E1005	32	E1564	28
95-3930	62	10765	51	E1020	32	E1565	28
115-0012	66	10767	51	E1450-4	23	E1567	28
115-0051	66	10769	51	E1450-6	23	E1650	26
153-0052	65	10770	51	E1450G	23	E1651	26
153-0053	65	10771	51	E1450X	23	E1652	26
153-0072	65	10773	51	E1452	24	E1653	26
153-0073	65	92067	42	E1452-6	24	E1654B	26
161-0001	66	92394	46	E1455	24	E2100	21
174-0012	65	360186	44	E1455-4	24	E2100E	21
174-0051	65	360187	44	E1455-6	24	E2250H	17
301-5	33	368587	45	E1455B	24	E2350H	17
303-2	32	368687	45	E1455B-4	24	E2350H-DB	17
361-0	33	<b>B</b>		E1465	25	E2350HS	17, 56
361-1	33	BZ4212	15	E1465-4	25	E2400	21, 34
374-3	33	<b>C</b>		E1465-6	25	E2401	21, 29, 34
374-5	33	CBCA	14	E1465B	25	E2450H	17
374-6	33	<b>E</b>		E1465B-4	25	E2450HS	17, 56
443-0001	65	E0005-3C	45	E1475X	23	E2504	19
460-0011	66	E0017	45	E1502	33	E2504H	19
519-1341	66	E0020V	43	E1504	33	E2505-10FR	22
519-1709	66	E0021S	43	E1510	31	E2510H	20
550-5065	66	E0022W	43	E1511	31	E2515	18
				E1512	31	E2515H	18

## Catalogue Number

E2515H-DA	18	E3772-36C	30	E97016BPS	40	LF1937	08
E2515H-DB	18	E3773-36C	30	E97017BPS	40	LF1944	08
E2515HS	19, 56	E3773-45C	30	E97018BPS	40	LF2019	11
E2516	18	E3774-36C	30	E97020BPS	40	LF3225	12
E2516H	18	E3774-45C	30	E97021BPS	40	LF3225C	12
E2516H-DA	18	E3810	56			LF4418	11
E2516HS	19, 56	E3815	56	<b>F</b>		LF5637	10
E2520H	52	E4051-CT	38	FM134	63	LF5644	10
E2530-3	53	E4052-CT	38	FT0021S	03, 43	LS0300 (Purple)	05
E2530-6	53	E4053-CT	38	FT0022W	03, 43	LS1020	09
E2530-28	53	E4054-CT	38	FT0510	16, 41	LS1037	09
E2532	53	E4055-CT	38	FT3000	16	LS1500	09
E2580-28	53	E4057-CT	38	FT3000DB	16	LS1520	09
E2581-28	53	E4058-CT	39	FT6003	05	LS3225C	12
E2583-28	53	E4059-CT	39	FT6009	03, 05		
E2608-6	22	E4060-CT	39	FTBRKIT	03	<b>M</b>	
E2750	48	E4062-CT	39	FTRCKIT	04	MLW-2623C-DC	64
E2780-28	49	E4073-CT	39			MLW-3225C Full	64
E2781-28	49	E6008	05	<b>H</b>		<b>P</b>	
E2781R-28ASP	48	E6008B	05	HRA6	36	PP120	64
E2782-28	49	E6009	05	<b>K</b>		PS00510	62
E2782R-28ASP	48	E6009B	05	KU-5167-902	64	PS00511	62
E2783-28	49	E6019	05	KU-5483-902	64		
E2783R-36ASP	48	E7507	35	KU-7211-902	64	<b>R</b>	
E2784-28	49	E7507-DB	35	<b>L</b>		RVFT10	59
E2784R-28ASP	48	E7509	36	LF0500 (Orange)	05	<b>S</b>	
E2786-28	49	E7509-B	36	LF1212	11	SCBA	14
E3305	22	E7510-25	35	LF1637	08	SCBIGA	14
E3310	22	E7510-25DB	35	LF1723	08	SCDA13	13
E3595	55	E7512	35	LF1737	08	SCDA26	13
E3635	58	E97011BPS	40	LF1744	08	SCDA39	13
E3645	58	E97012BPS	40	LF1823	08	SCDA48	13
E3770-36C	30	E97013BPS	40	LF1837	08	SCGAA	14
E3771-36C	30	E97014BPS	40	LF1844	08	SCSTA	14
E3771-45C	30	E97015BPS	40	LF1923	08	SE3695	54
				LF1930T	10	SEA3700	54



## Catalogue Number

SEA3705	55	VLFTCRT	06
SEA3710	55	VLFX8GEN	01
SEA3715	55	VLLS10GEN	02
SEA3720	55		
SEA3725	55	<b>W</b>	
SEA3730	54	WOLFBRSET	04
SEA3741	54		
SEA3745	54	<b>Z</b>	
SEL7000A	57	Z0260	63
SEP5000	57	Z0280	63
SEP5015	57	Z0293	63
SEP6000	57	Z0499-01	63
SEP6015	57	Z5044-01	63
STORZBRSET	04	Z5045-01	63
		Z5048-01	64
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1. Based on internal test report #R0042752 rev A, Marketing evaluation of surgeon experience using the Sonicision™ curved jaw cordless ultrasonic dissector. Feb.13–17, Feb. 28, March 3, May 16, 2017.

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