

# SPECIALIZED GYNECOLOGY

Improving Diagnostic and Therapeutic Results



UTAH MEDICAL PRODUCTS

FEMCARE-NIKOMED



# Cleaner LETZ® Margins

- Closely Control Excision to Provide Accurate Samples
- Avoid Over-Excision of Tissue
- Reduce Thermal Damage to Specimens
- Minimize Number of Samples

## UTAHLOOP® ELECTRODES

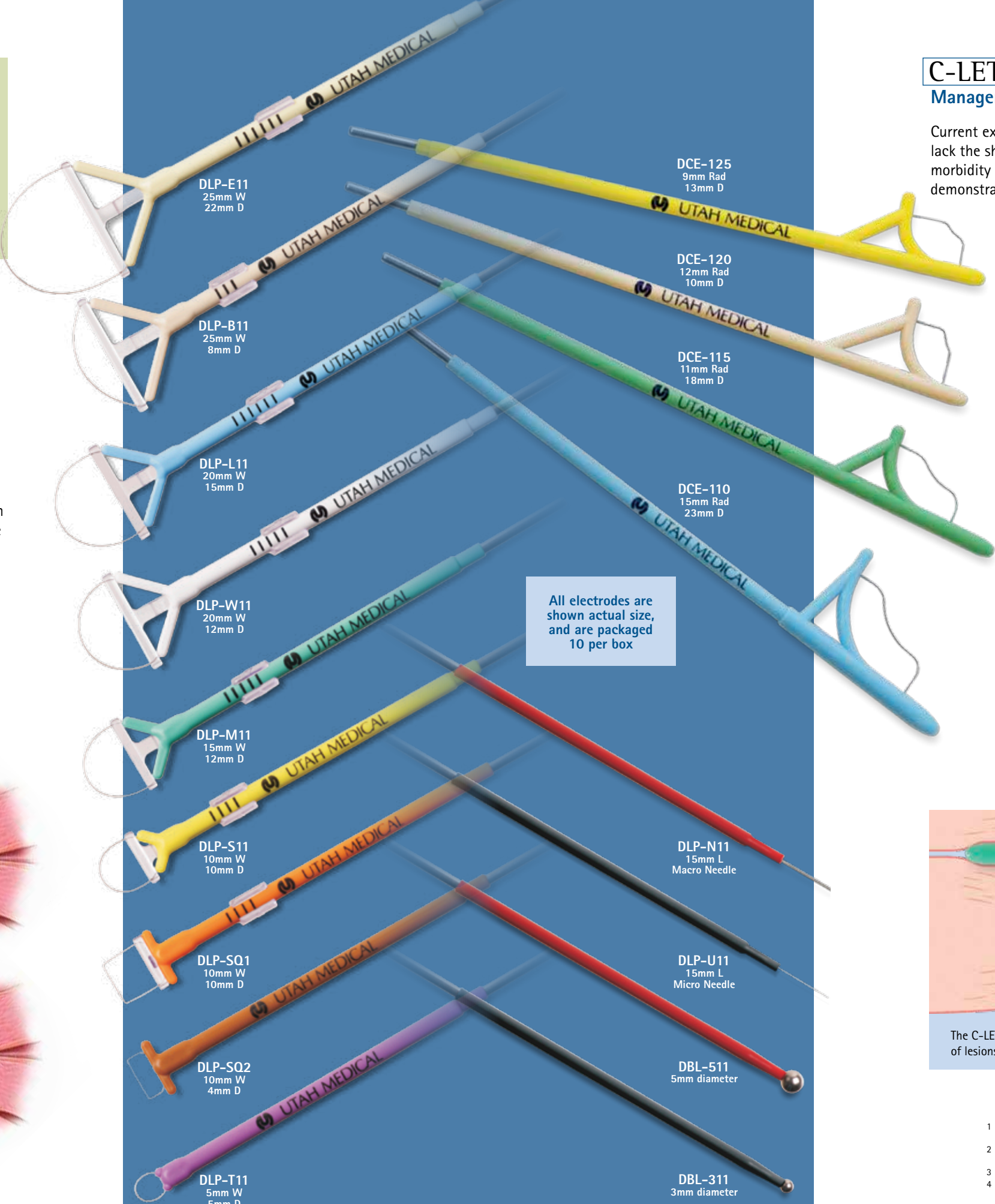
### Outstanding Electrodes for HPV Management

Developed and manufactured by Utah Medical Products, Inc. (UTMD), UtahLoop specialty electrodes deliver highly predictable excisional performance. Why? Because UtahLoops are constructed with UTMD's proprietary ExactFit™ assembly process and have the unique Safe-T-Gauge®. The Safe-T-Gauge adjustable depth control device provides several important advantages that ensure the best outcomes possible for LETZ:

- The maximum excision depth can be preset to provide the physician with an accurate reference to avoid removing excess cervical tissue that might compromise patient fertility.
- The high-grade, durable tungsten excision wire is supported, providing extra stability to fix electrode position, avoiding superficial lesion excision and inadequate histopathology.
- A single loop width emulates several loop sizes which would be required without the Safe-T-Gauge, eliminating the risk of not having the right size for a particular excision and reducing the need to stock many loop sizes.

In a standard loop electrode, the combination of the T-shaped shaft, lack of loop wire support, and cheap wire material allow loop wire flex at the hub, causing superficial lesion excisions and fragmented specimens.

UtahLoop's unique electrode wire support, pure tungsten loop material, and Y-shaped shaft, along with superior workmanship, provide excellent rigidity and accurate excision depth control.



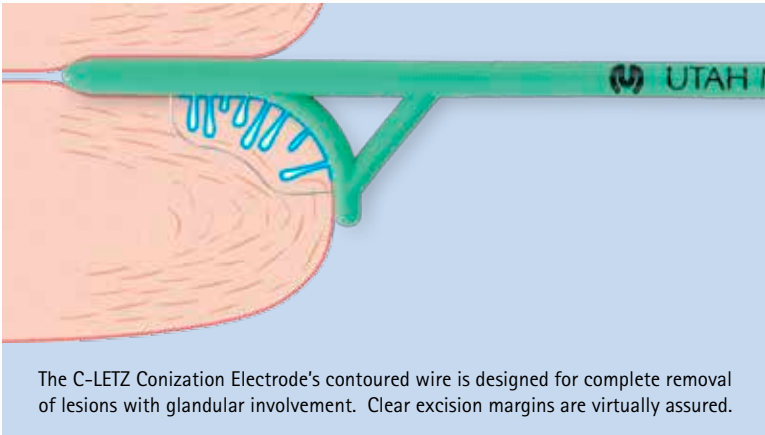
## C-LETZ® CONIZATION ELECTRODES

### Management of Deep Endocervical Disease

Current excisional devices for managing deep endocervical CIN lesions lack the shape needed to preserve healthy cervical tissue. Cone biopsy morbidity seems to be related to the total amount of tissue excised,<sup>1</sup> demonstrating that tissue-sparing excision techniques are important to improving clinical outcomes. Traditional "straight wire" conization electrodes excise an excess of healthy tissue, which may compromise adequate cervical function.

Research has also shown that CIN involvement in most endocervical glands extends no more than 3.8mm from the cervical surface.<sup>2</sup> The C-LETZ Conization Electrode is designed from this research. Its patented<sup>3</sup> contoured electrode shape removes a constant thickness specimen to ensure adequate removal of diseased tissue without risking excessive excision of healthy cervical tissue.

- Contoured wire shape provides consistently clear excision margins, providing a 98% rate of certain histopathology diagnosis<sup>4</sup>
- Provides a single tissue specimen compared to 'top hat' excisions, eliminating thermal injury of the transverse excision component
- Potentially reduces the possibility of cervical stenosis by preserving healthy tissue
- Potentially reduces recurrence and/or progression rates
- Hexagonal shaft feature locks electrode into pen
- Provides simultaneous hemostasis compared to cold knife conization



1 Prendiville W, Large loop excision of the transformation zone, Clin Obstet Gynecol, 1995;38(3):622-39  
2 Anderson MC, et al, Cervical crypt involvement by intraepithelial neoplasia, Obstet Gynecol, 1980;55(5):546-50  
3 U.S. Patent 5,951,550  
4 Mints M, Gaberi V, Andersson S, Miniconization procedure with C-LETZ conization electrode for treatment of cervical intraepithelial neoplasia: A Swedish study, Acta Obstet Gynecol Scand, 2006;85(2):218-23



# Improving Cervical Access

- Manage Physical Limitations
- Improve Cervical Visualization
- Focus on the Procedure, Not on Obstacles

## DXTENDER® ELECTRODE EXTENDERS FOR LETZ

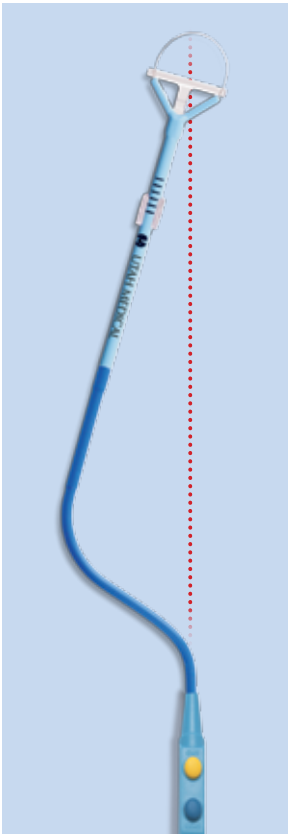
### Enabling Cervical Access with Tactility

DXTender Electrode Extenders<sup>1</sup> provide a unique and effective solution for LETZ procedures.

Cervical depth varies among patients. LETZ electrode lengths that are appropriate for one patient will be insufficient to reach another patient's cervix. A traditional straight extender can provide adequate reach, but the additional length may cause hand pencil interference with the colposcope body.

UTMD's DXTender Electrode Extenders are specially configured to:

- Reposition hand and pencil away from colposcope and view axis.
- Place loop electrode on the pencil's long axis, which maintains tactility and control.
- Create additional reach for patients with a deeper cervix.



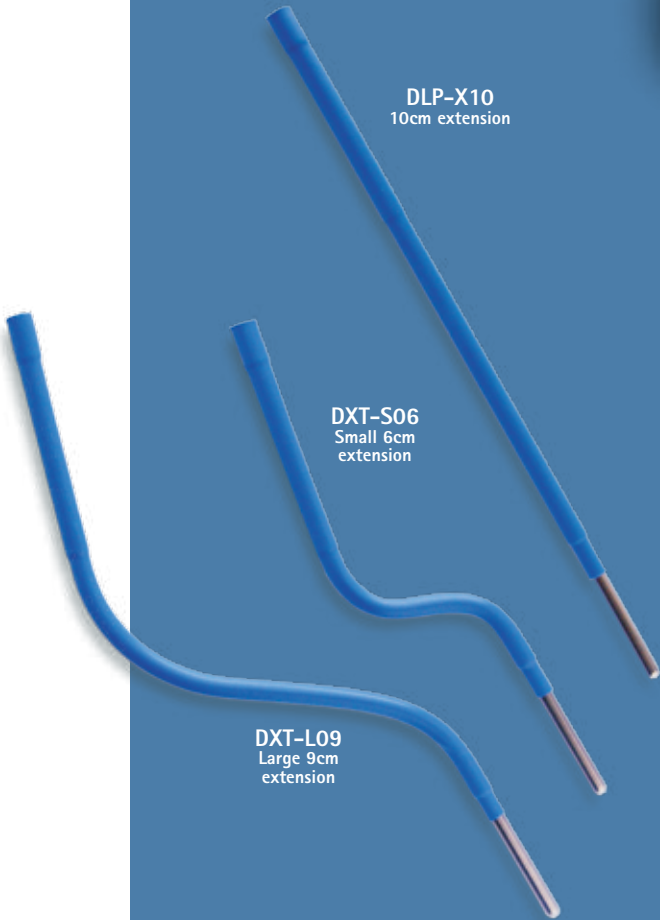
### The DXTender Advantage

Tactility is critical during LETZ excisions. DXTender maintains the tactility of a straight electrode by aligning the loop electrode with the pencil's central axis. This eliminates lateral force on the electrode which would cause torque and result in slippage of the extender in the pencil.

### Two LETZ Techniques, Two DXTender Electrode Extenders

Two DXTenders are available:

- Large: For use during colposcopically visualized LETZ procedures. Provides adequate clearance of the pencil from the body of the colposcope.
- Small: For use during directly visualized LETZ procedures. Keeps the user's hand away from the visual axis.



LITE-WS



## OPTISPEC® GYNECOLOGY LIGHT

### Hands-Free Cervical Visualization

Utah Medical Products' patented<sup>2</sup> OptiSpec Light is a new concept in non-colposcopic illumination of the cervix. An ultra-bright LED selected to provide a pure white light spectrum has been mounted in a small, clip-on disposable package. The result is excellent illumination of the cervix with a device that otherwise seems like it's not even there!

Cervical visualization through a colposcope with a bright white light provides critical visual information with minimal clinician fatigue. However, the use of the colposcope for other every-day exams is impractical. Other methods of cervical illumination emit a dull yellow, low intensity light, and usually require one hand to actively hold the lighting device.

- Compact light clips on to most common vaginal specula
- Unobtrusive configuration remains out of visual and working field
- Provides a simple, hands-free light that improves visualization during:
  - gyn exams
  - pap smears
  - LETZ® procedures
  - diagnosis of abnormal obstetric bleeding
  - ER exams for vaginal trauma
  - any other directly visualized vaginal procedures
- Efficient light-emitting diode (LED) provides truer color visualization with a light that is whiter than halogen bulbs
- OptiSpec is provided sterile, for immediate single patient use, eliminating any cleaning requirements



ITEM	QUANTITY	ITEM NO.
DXTender Electrode Extender, Small	10 / box	DXT-S06
DXTender Electrode Extender, Large	10 / box	DXT-L09
Straight Electrode Extender, 10cm	10 / box	DLP-X10
OptiSpec Gynecology Light, White	25 / box	LITE-WS

<sup>1</sup> Patent(s) Pending  
<sup>2</sup> U.S. Patent 7,631,981

# Cold Scalpel Healing with Electrosurgical Modality

- Precise Dissection Yields Excellent Cosmetic Results
- Low Power Settings Reduce Smoke Plume
- Provide Hemostasis with Favorable Healing Process

## EPITOME® SCALPEL

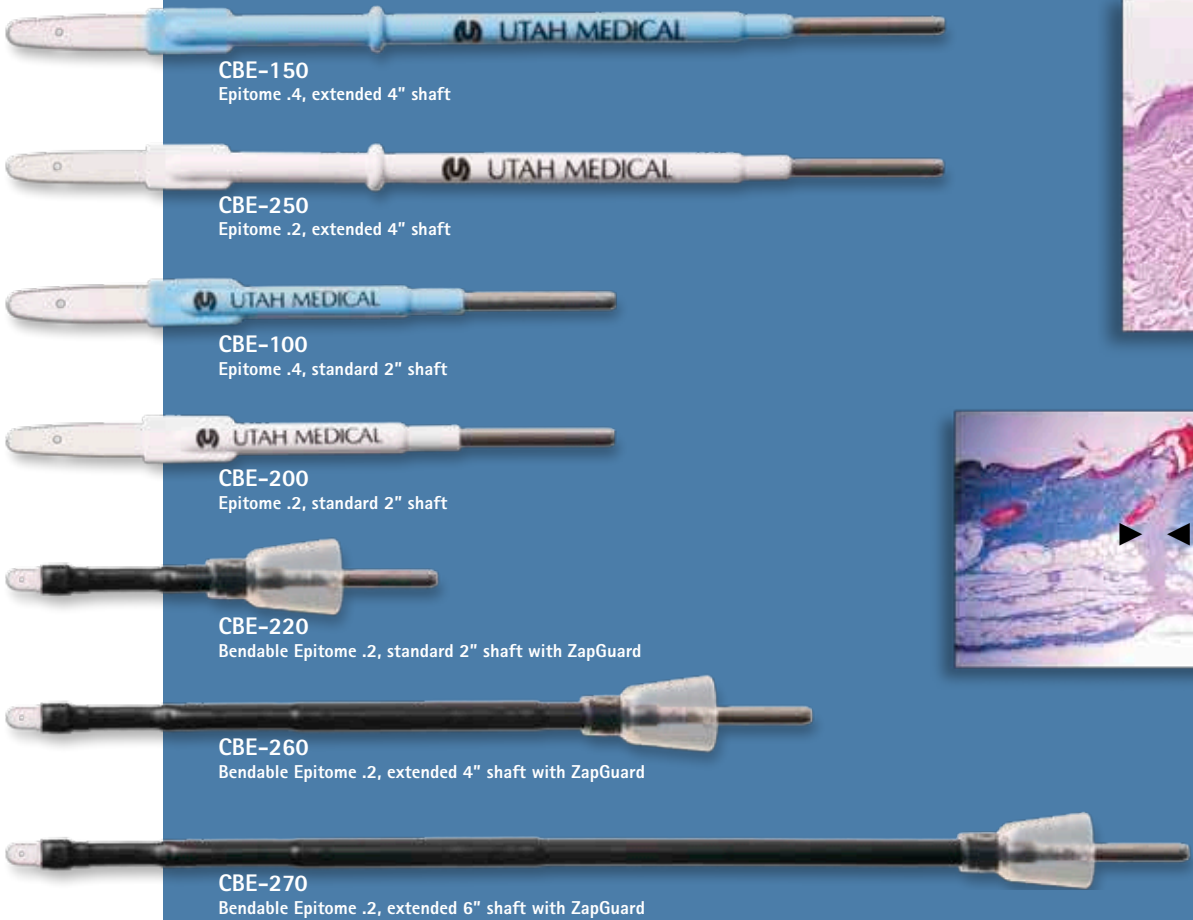
Epitome, UTMD's patented<sup>1</sup> blade electrode, significantly reduces thermal tissue injury compared to standard blade tips. In fact, histological analysis of porcine skin incisions shows healing results that closely resemble cold sharp scalpel incisions<sup>2</sup>. This means that Epitome provides:

- Cutting precision exceeding that of a cold scalpel.
- Cosmetic results comparable to a cold scalpel.
- Hemostasis of the electrosurgical modality.
- Improved wound healing.

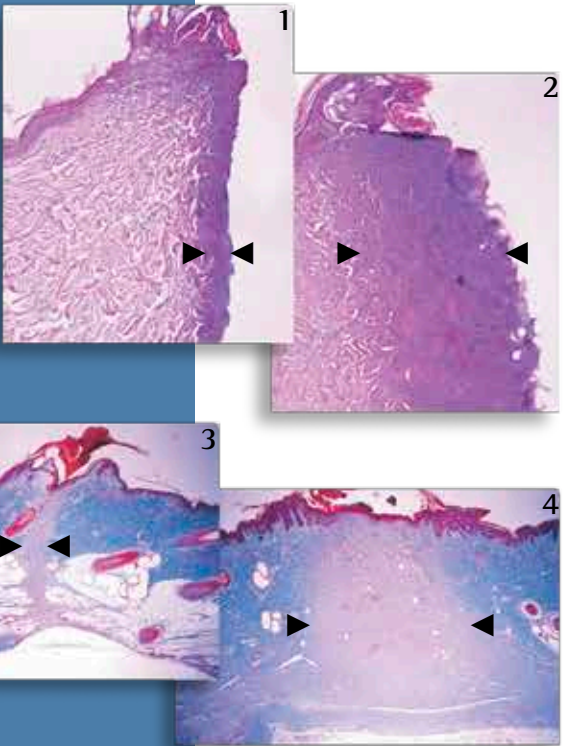
## EXTERNAL LESION ELECTRODES

UTMD's short shaft electrodes are ideal for controlled removal of external lesions, allowing better utilization of office-based ESUs. Excision of lesions provides a specimen for dermatopathology, which is not possible with ablative modalities such as cryotherapy.

External lesion electrodes are packaged 10 per box.



**ZapGuard™**  
The ZapGuard is available on select Epitome Scalpels to reduce potential for electrical shocks and burns



## Reduced Thermal Injury

Histology reveals significantly reduced thermal injury with Epitome incisions (1) as compared to a standard electrosurgical tip incision (2).

## Improved Wound Healing

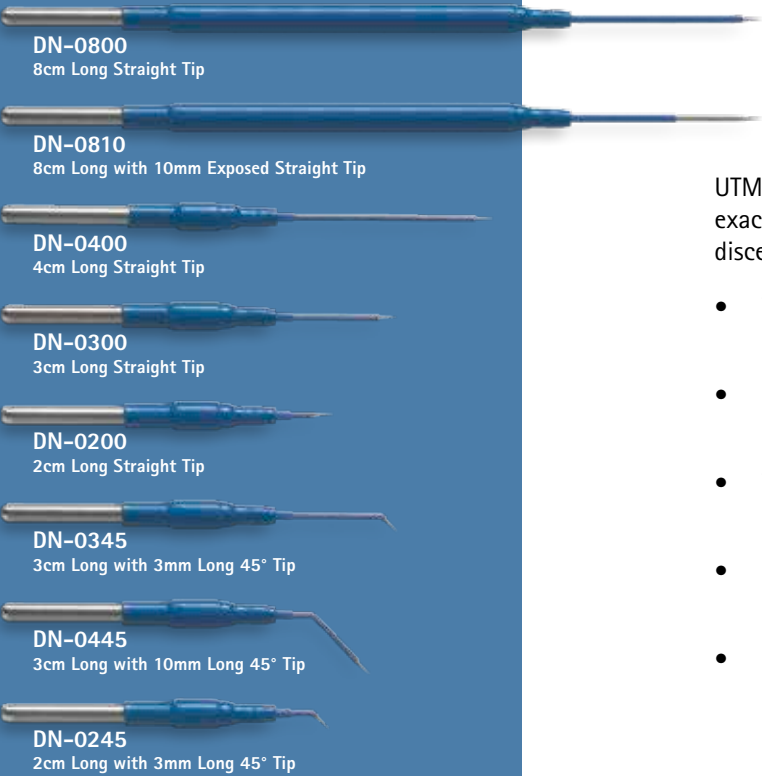
Mason's Trichrome stain reveals markedly reduced fibroplasia, as shown by the degree of collagen deposition, and minimized inflammatory response in porcine skin incisions made with Epitome (3) as compared to a standard tip incision (4).

## OPTIMICRO™ NEEDLE

UTMD's OptiMicro Needle ultra-fine tip electrosurgical electrodes are designed to provide precise dissection with virtually no thermal effects, yielding excellent cosmetic results for small-scale procedures. These micro-needles have the finest geometry available. Because of their extremely small surface area, high current densities are achieved with very low power settings.

UTMD designed and manufactures the OptiMicro Needle to the same exacting standards as the UtahLoop electrodes, and provides the discerning surgeon with critical clinical benefits:

- Thermal tissue injury is virtually eliminated, providing excellent healing results and reduced post-surgical pain.
- Output power settings are very low, which minimizes nerve and muscle stimulation and stray electrosurgical currents.
- Tungsten electrode withstands high current densities, and maintains sharpness throughout procedure.
- Substantially reduces smoke plume and odor compared to standard blade geometry tips.
- Provided sterile for immediate use, 10 needles per box



<sup>1</sup> U.S. Patents 5,860,976, 6,126,656  
<sup>2</sup> Vore SJ, Wooden WA, et al, *Comparative healing of surgical incisions created by a standard "bovie", the Utah Medical Epitome electrode, and a Bard Parker cold scalpel blade in a porcine model: a pilot study.* Ann Plast Surg 2002; 49:635-45



Optimal Excisions

- Produce Excellent Specimens for Histopathology
- Easily Manage Infectious Potential of Smoke Plume
- Provide Vital Patient and User Safety
- Focus on the Procedure, Not on Equipment

FINESSE®+ SYSTEMS

The FINESSE+ and FINESSE II+ Electrosurgical Generator and Smoke Evacuation Systems have been re-designed to meet the highest performance and safety standards currently required for electrosurgery.

Controlled Output Circuitry+

UTMD's electrosurgical experience and research into tissue effects during loop electrosurgery have resulted in an improvement to system design. FINESSE+ and FINESSE II+ incorporate Controlled Output Circuitry+ to produce the best tissue specimen for conclusive histopathology. Controlled Output Circuitry+ is UTMD's advancement of "intelligent cut" circuitry that maintains the output within a prescribed cutting range by monitoring and continuously adjusting the output to produce a specimen with minimal thermal damage at the margins. This eliminates any need to adjust the output setting when changing loop sizes.

Controlled Output Circuitry+ is a three-tier output delivery and monitoring scheme:

- Tier 1: A microprocessor and specialized electronics continuously monitor the output, adjusting it to remain at the ideal level for smooth, char-free cutting.
- Tier 2: The microprocessor compares the output to mathematically-defined reference curves<sup>2</sup>, and further adjusts the output as necessary to ensure that safe output levels are maintained.
- Tier 3: In the event that output cannot be adjusted to satisfy the reference curves, output is disabled and an error is indicated.

Integrated Smoke Evacuation

The FINESSE+ and FINESSE II+ Systems utilize a design that integrates the electrosurgical generator and smoke evacuation system into a single compact unit. This allows placement in operating areas with limited space, especially offices. It also allows simultaneous "single switch" activation of both modules by either the handswitch control pen or footswitch.

FINESSE+ and FINESSE II+ use a three-stage filtration system to evacuate and filter the smoke plume produced during electrosurgery. The filtration system includes an activated charcoal filter which adsorbs odorous gases, and two high-efficiency particulate filters which remove solid particles and aerosols. The three filters provide a minimum efficiency of 99.999% for 0.1 micron particles.



COMMON SPECIFICATIONS

Dimensions:	14.0" W x 14.7" D x 7.3" H, 24 lbs. (35.6cm x 37.3cm x 18.5cm, 11 kg)
Electrical Options:	115 Volt, 5.65 Amps, 50/60 Hz, or 230 Volt, 3.75 Amps, 50/60 Hz
Dispersive Pads:	
Compatible Types	Auto-detects and displays pad type: Dual (CQM) or Standard
CQM Circuit	Initial threshold detect, with threshold auto-adjust with improved contact. 10-130 ohms operating range
Activation:	Handswitch, Footswitch

Error Indicators and Safety Interlocks:	
CQM System	Unacceptable pad peel Pad contact out of range
Pad Status	Pad not connected to system Pad type mismatch
Output Monitor	Hazardous output power limit Output current limiting circuit
Cross-Key	Simultaneous Cut/Coag activation
Mode Change	Mode change during activation (FINESSE+)
Power Adjust	Control lockout during activation (FINESSE+)

Standards Compliance:  
IEC 60601-1 (3<sup>rd</sup> ed) + 60601-2-2 (5<sup>th</sup> ed) (electromedical safety)  
IEC 60601-1-2 (electromagnetic compatibility)  
230 VAC systems comply with 93/42/EEC + 2007/47/EC  
(EU Medical Device Directive) and are CE Marked

FINESSE+

Electrical Output:	
Frequency	450kHz
Cut/Blend Power	6-99 Watts @ 500 Ohm load
Cut Mode	Continuous Sinusoid
Blend 1 Mode	Interrupted Sinusoid 62.5% Duty Cycle
Blend 2 Mode	Interrupted Sinusoid 50% Duty Cycle
Blend 3 Mode	Interrupted Sinusoid 37.5% Duty Cycle
Coag Power	6-75 Watts @ 500 Ohm load
Coag Voltage	2,400 Volts zero-to-peak max (open circuit)
Smoke Evacuation:	
Flow Rate	Normal >70 liters/min (2.5 CFM) High >100 liters/min (3.5 CFM)
Efficiency	>99.999% at 0.1 microns

FINESSE II+

Electrical Output:	
Frequency	450kHz
Cut Power	65 Watts @ 500 Ohm load
Cut Mode	Blended Cut Interrupted Sinusoid 62.5% Duty Cycle
Coag Power	60 Watts @ 500 Ohm load
Coag Voltage	2,180 Volts zero-to-peak max (open circuit)
Smoke Evacuation:	
Flow Rate	>80 liters/min (2.8 CFM)
Efficiency	>99.999% at 0.1 microns



1 when using a pad certified for the Finesse+/Finesse II+  
2 AAMI/ANSI/IEC 60601-2-2:2009, S201.12.4.2.101  
3 AAMI/ANSI/IEC 60601-2-2:2009, S201.15.101.5; skin temperature rise after 700mA is applied for 60 seconds.

Dispersive Pad Contact Quality Monitoring (FinCQM™)

UTMD's FinCQM circuit design adjusts to skin type variations and detects partial pad detachment before a pad site burn can occur. Output is automatically disabled and an error is indicated with separation of approximately 30% of the pad surface<sup>1</sup>.

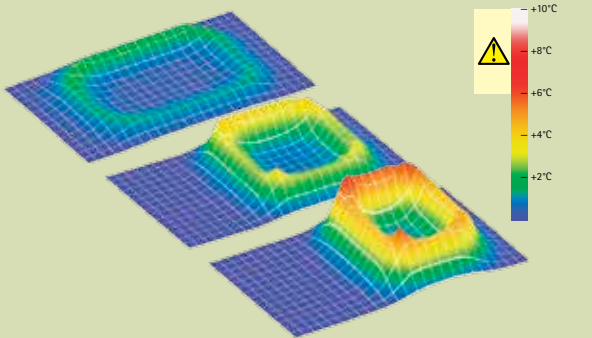
Patient and User Safety

The FINESSE+ and FINESSE II+ Systems meet global standards for patient lead isolation. This provides protection for both patient and clinician by reducing the possibility of creating an alternate current path that could result in a burn.

Enhanced Logic Integration

Digitally-driven waveform shapes and a majority of the logic functions are hard-coded into a microprocessor-linked complex programmable logic device (CPLD). Component usage is significantly minimized to ensure reliable operation of the FINESSE+ and FINESSE II+ systems.

PREVENTING PAD SITE BURNS



To help prevent skin burns to patients during electrosurgical procedures, the global electrosurgical safety standard mandates a 6°C limit on temperature rise beneath a dispersive pad<sup>3</sup>. Thermography tests certify that the FINESSE+ and FINESSE II+ FinCQM system safely shuts down output well before pad site burns can occur. The top image shows a maximum temperature rise of 2.2°C for a fully attached ES-1179 dispersive pad. As the pad peels laterally away from the patient's skin, the FinCQM system will detect an error condition. In the most extreme condition allowed by FinCQM, the maximum temperature rise detected is 4.4°C (center image). The bottom image shows a potentially hazardous condition, with a temperature rise over 6°C. This condition was encountered with more than 50% dispersive pad detachment, and is a condition that is not possible with FinCQM.

ITEM	Voltage Option:	115 VAC	230 VAC
FINESSE+		FIN-110	FIN-220
FINESSE II+		FIN2-110	FIN2-220



# Electrosurgical Accessories

A Comprehensive Range for  
Your Electrosurgical System

## Contact Quality Monitoring (CQM) Dispersive Pads

CQM (split surface) dispersive pads allow pad contact monitoring when used with compatible electrosurgical systems such as FINESSE+ and FINESSE II+. These LATEX-FREE dispersive pads have a hydrogel surface to provide excellent contact to the patient's skin.

- Pads are certified for use with FINESSE+ and FINESSE II+ systems' FinCQM system, meeting IEC 60601-2-2 electrosurgical safety standard for Maximum Safe Temperature Rise.
- Available with a pre-attached cord, or a tabbed pad for use with a reusable cord.

ITEM	QUANTITY	ITEM NO.
Dispersive pad, Split CQM, with pre-attached 10' cable	Box of 10	ES-1179
Dispersive pad, Split CQM, uncorded (requires ES-21174)	Box of 10	ES-1180
Reusable cord for ES-1180 dispersive pad	1 each	ES-21174

## Electrosurgery Pens

Electrosurgical pens are for use with the loop and ball electrodes. Each pen comes with a 10 foot cord. Packed sterile and disposable.

ITEM	QUANTITY	ITEM NO.
Two-Button Electrosurgery Pen, Handswitch Control	Box of 10	ESU-305
Electrosurgery Pen for Footswitch Activation, Direct Fit	Box of 10	ESU-306
Electrosurgery Pen for Footswitch Activation	Box of 20	ESU-301

ESU-301 requires an existing adapter

## Filters

The Finesse Filter Pack incorporates an activated charcoal filter, a HEPA filter, a 10 foot filter tube, and a speculum tubing and adapter. Each filter pack can be used up to 15 times. The speculum tubing with adapter is a single use item which connects onto the speculum's smoke evacuation port. A complete replacement tubing set is also available.

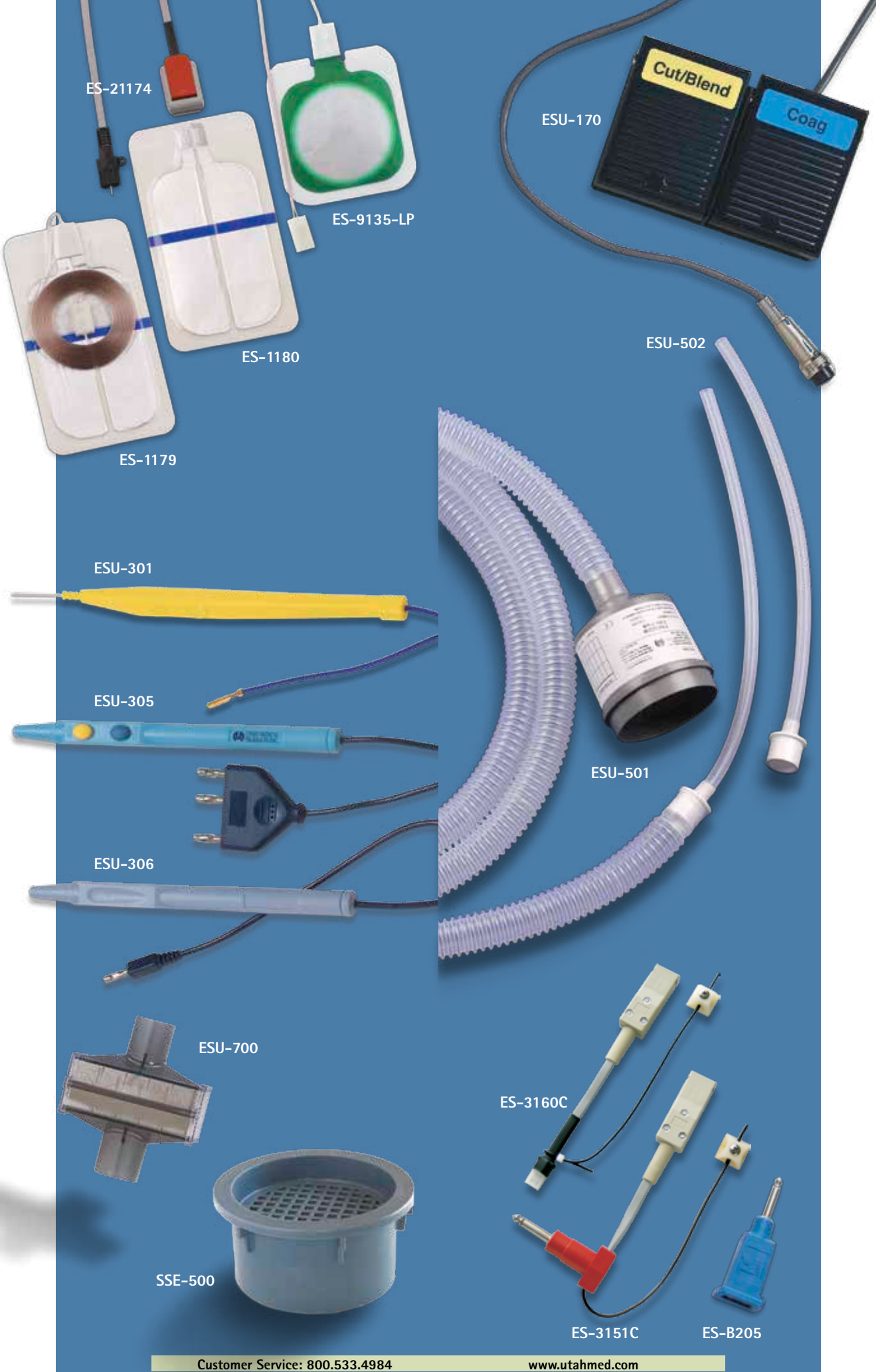
ITEM	QUANTITY	ITEM NO.
Finesse Filter Pack	Box of 5	ESU-501
Speculum Tubing and Reducer	Box of 15	ESU-502
Universal Disposable Tubing Set	Box of 10	951-712

## FINESSE Internal Filter

To keep the FINESSE and FINESSE II systems' smoke evacuator functioning efficiently, the internal filter should be replaced annually.

ITEM	QUANTITY	ITEM NO.
Finesse+ Internal Filter (for model nos. starting with "FIN")	1 each	SSE-500
Finesse Internal Filter (for model nos. starting with "ESU")	1 each	ESU-700

ESU-700 includes tool to access internal filter



## FINESSE Footswitch

UTMD's two-pedal footswitch is for use with FINESSE+ and FINESSE II+ Systems. It allows activation of the generator in either the cut or coagulation mode, as well as simultaneous activation of the smoke evacuation system. The footswitch comes with a 10 foot cord.

ITEM	QUANTITY	ITEM NO.
Footswitch Assembly	1 each	ESU-170

Not compatible with early models of Finesse and Finesse II with 3-pin connector

## Standard Dispersive Pad and Adapters

UTMD offers a LATEX-FREE pre-corded dispersive pad for non-CQM electrosurgical systems that incorporates several improvements compared to standard dispersive pads to minimize risks of patient burn during electrosurgery:

- A special "Safety Ring" and circular conductive geometry eliminates focusing of electrical current at corners and edges. The pads can be placed in any orientation.
- A special transthermal backing lets heat escape faster than foam backing.
- Smaller surface area simplifies placement without increasing skin temperature rise (meets AAMI Standard HF-18:2001 for Maximum Safe Temperature Rise).

ITEM	QUANTITY	ITEM NO.
Dispersive pad, Solid with Safety Ring	Box of 10	ES-9135-LP

ES-9135-LP does not provide CQM

## Dispersive Pad Adapters

Adapters for older FINESSE, FINESSE II, and other manufacturers' generators are available for use with UTMD's ES-9135-LP dispersive pad.

ELECTROSURGICAL SYSTEM	PAD	ADAPTER
Finesse, Finesse II (ESU and ESU2 models, 1998 to 2012)	ES-9135-LP	none
Finesse, Finesse II (ESU and ESU2 models, pre-1998)	ES-9135-LP	ES-3160C
Cryomedics, Aspen, Leisegang, Cameron Miller	ES-9135-LP	ES-3151C
Cooper 1000	ES-9135-LP	ES-B205
Cooper 6000	ES-9135-LP	none

# Cost Effective Smoke Plume Management

## SMOKE EVACUATION AND FILTRATION Minimizing the Dangers of Smoke Plume

Organizations such as NIOSH, OSHA, ANSI, and AORN have issued recommendations for the use of smoke evacuation during laser surgery and electrosurgery. These recommendations are based on the outcomes of numerous clinical studies that have shown significant problems with surgical smoke plume:

- The smoke plume produced during electrosurgery is as harmful as the smoke plume from laser surgery.
- The smoke plume contains hazardous chemical compounds, ranging from respiratory irritants to known carcinogens.
- The smoke plume may transmit infectious viruses such as HIV and HPV.

### The FILTRESSE™ Smoke Filtration System

Elimination of smoke plume requires an efficient and reliable filtration system. The solution is UTMD's Filtresse Smoke Filtration System.

- Three-stage disposable filter system efficiently removes odors and particulate matter, and reduces operational costs
- Easily attaches to most wands and instruments to yield quick smoke plume evacuation at the source
- Variable motor speed provides flow rate adjustability and yields enhanced noise suppression
- Pneumatic footswitch provides easy, hands-free operation
- Compact, portable and stylish design uses little office space

ITEM	QUANTITY	ITEM
Filtresse Smoke Filtration System, 110 VAC operation	1 each	SSE-100
Filtresse Smoke Filtration System, 220 VAC operation	1 each	SSE-200
Filtresse Internal ULPA Filter Cartridge	1 each	SSE-500
Filtresse External Filter Pack (Nonsterile)	Box of 5	SSE-501
7/8" Tubing Set with 1/4" Instrument Tubing/Reducer (Nonsterile)	Box of 10	SSE-503
7/8" x 10' Large Bore Tubing (Sterile)	Box of 10	SSE-513
1/4" x 12" Speculum Tubing and 7/8" Reducer Fitting (Nonsterile)	Box of 15	ESU-502
1/4" x 36" Flexible Tubing and 7/8" Reducer Fitting (Sterile)	Box of 15	SSE-512
Filtresse External Filter Cartridge for SSE-503 and SSE-513	1 each	SSE-511
Filtresse Pneumatic Footswitch	1 each	SSE-600
Filter Retaining Ring	1 each	SSE-610
Fuse, 10A Slo-Blo (for SSE-100)	1 each	SSE-710
Fuse, 5A Slo-Blo (for SSE-200)	1 each	SSE-720

### FILTRESSE®

<b>Dimensions:</b>	9" W x 17" D x 9" H, 18 lbs. 23cm x 43cm x 23cm, 8kg)
<b>Electrical Options:</b>	110 Volt, 10 Amps, 45-65 Hz, or 220 Volt, 5 Amps, 45-65 Hz
<b>Flow Rate:</b>	>3.5 cubic feet per minute (>100 liters per minute) through 1/4" I.D. tubing  >9.5 cubic feet per minute (>270 liters per minute) through 22mm I.D. tubing
<b>Minimum Sealed Vacuum:</b>	45" H <sub>2</sub> O (86 mmHg) at maximum speed
<b>Filtration Efficiency:</b>	>99.999% at 0.1 microns, 3 CFM (86 liters/minute)
<b>Internal Filter Life:</b>	One Year
<b>External Filter Pack Life:</b>	Up to 15 procedures



FILTRESSE



ESU-961



## SMOKE EVACUATION CONVERSION KITS Components for Single-Source Convenience

UTMD has high quality components for use with many other brands of smoke evacuators. They can reduce operational costs, yet provide these benefits:

- Three-stage filtration design consists of activated charcoal plus two high performance filter elements, providing 99.999% or greater particle filtration efficiency.
- Large filter surface area yields high airflow while ensuring long-term particle entrapment. Achieves quick, effective removal of the surgical plume.
- System components fit directly into smoke filtration unit for immediate use — no adaptation required.

### FILTRATION Kit ESU-961

<b>Contents:</b>	1 ESU-550	Internal ULPA Filter
	1 SSE-501	External Filter Pack
	15 ESU-502	Speculum Tubing/Reducer

**Compatibility:** Aspen/ConMed AirSafe AspenVac  
BEI Medical LLETZ-Plus  
Cabot/Cryomedics MiniVac  
Corometrics Model 201  
Stackhouse AirSafe MiniVac  
Nordex/Walker ProtectAir  
Valleylab ValleyVac  
ZSI LLETZ-Plus

### FILTRATION Kit ESU-962

<b>Contents:</b>	1 ESU-540	ULPA/Charcoal Filter
	5 ESU-541	Prefilter
	5 ESU-542	Reducer Fitting
	5 951-712	Complete Tubing Set

**Compatibility:** CooperSurgical 6080  
Surgimedics Surgifresh Mini  
Surgimedics Plume-inator  
Valleylab AirForce

ITEM	QUANTITY	ITEM NO.
Universal Disposable Tubing Set	Box of 10	951-712
ULPA/Charcoal Filter for Cooper, Surgimedics, Valleylab	Box of 3	ESU-540
Prefilter for Cooper, Surgimedics, Valleylab	Box of 30	ESU-541
Prefilter Reducer to 7/8" Tubing	Box of 5	ESU-542
ULPA Filter Cartridge for Stackhouse AirSafe MiniVac	1 each	ESU-550

Stackhouse, AirSafe, and MiniVac are trademarks of Stackhouse Inc. Valleylab is a trademark of Covidien Ltd./Valleylab, Inc. Surgifresh is a trademark of Surgimedics. CooperSurgical is a trademark of The Cooper Companies.



Electrosurgical Instruments

Quality Instruments For Your Practice

As part of our commitment to providing physicians with a complete line of LETZ® products, UTMD offers a full range of coated instruments.

Non-Conductive Coating

All reusable instruments have a special, extremely durable coating designed to insulate against transmission of electrical current, ensuring the highest level of protection for the patient and physician from possible burns or shocks during electrosurgical procedures.

Smoke Evacuation Port

All specula have a built-in smoke evacuation port for complete removal of the smoke plume from the operating field, preserving physician view and minimizing the potential hazards from smoke plume exposure.

Sterilization

All coated instruments can be processed using standard autoclave cycles. In addition, these instruments are certified compatible with the Sterrad process.

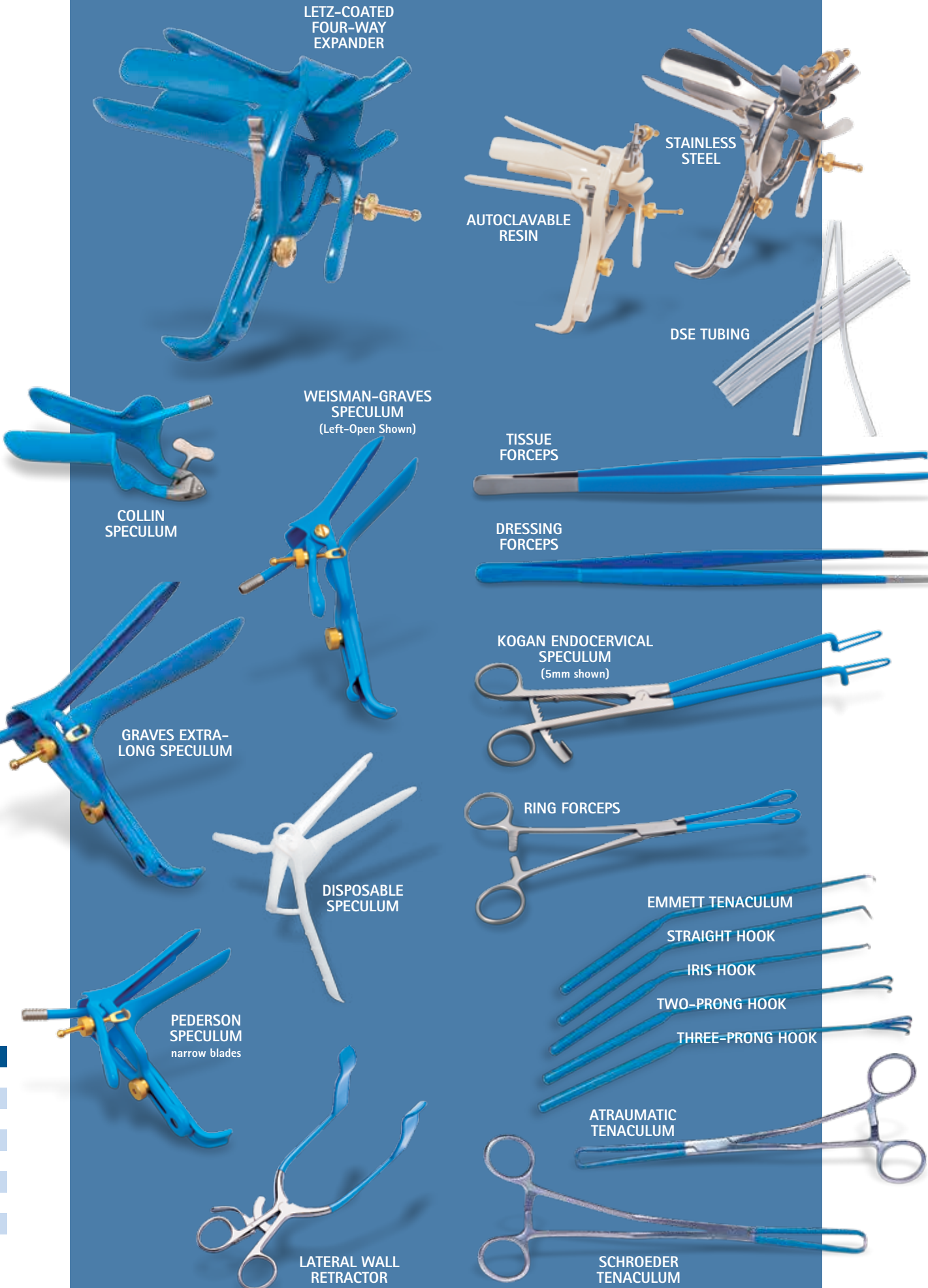


GRAVES SPECULUM  
standard bivalve speculum

GRAVES WIDE-VIEW  
40% wider at introitus  
than Graves

GRAVES VIEW-MAXI  
minimal access restriction

ITEM	SML (3½")	MED (4¼")	LRG (4¾")	EXT LONG (6")
Graves Speculum	ESI-100	ESI-101	ESI-102	ES-15162-XSLT
Graves Wide-View Speculum		ESI-151	ESI-152	
Graves View-Maxi Speculum		ESI-171	ESI-172	
Pederson Speculum	ESI-110	ESI-111	ESI-112	
Pederson View-Maxi Speculum		ESI-117	ESI-118	
Weisman Graves Speculum, Left Open		ESI-131	ESI-132	
Weisman Graves Speculum, Right Open		ESI-133	ESI-134	
Collin Speculum		ESI-121	ESI-122	
Disposable Speculum (Box of 10)		ESI-191	ESI-192	



LETZ-COATED  
FOUR-WAY  
EXPANDER

STAINLESS  
STEEL

AUTOCLAVABLE  
RESIN

DSE TUBING

WEISMAN-GRAVES  
SPECULUM  
(Left-Open Shown)

COLLIN  
SPECULUM

TISSUE  
FORCEPS

DRESSING  
FORCEPS

KOGAN ENDOCERVICAL  
SPECULUM  
(5mm shown)

RING FORCEPS

EMMETT TENACULUM

STRAIGHT HOOK

IRIS HOOK

TWO-PRONG HOOK

THREE-PRONG HOOK

GRAVES EXTRA-  
LONG SPECULUM

DISPOSABLE  
SPECULUM

PEDERSON  
SPECULUM  
narrow blades

ATRAUMATIC  
TENACULUM

LATERAL WALL  
RETRACTOR

SCHROEDER  
TENACULUM

FOUR-WAY VAGINAL EXPANDERS

UTMD's Four-Way Vaginal Expanders provide a new approach to the visualization of the cervix during examinations, colposcopy, and LETZ procedures. The Expanders feature two laterally opening blades which solidly retain collapsing vaginal walls, ensuring clear access to the cervix for Pap smears and confident protection against vaginal wall burns during LETZ.

- Eliminates the need to use both a speculum and lateral retractor
- Available in plastic resin, uncoated stainless steel, and LETZ-coated stainless steel configurations, all of which are autoclavable
- Side blades activated on demand for enhanced cervical view and access
- Narrow blades improve patient comfort during insertion
- An optional instrument holder and line of custom instruments are available for hands-free physician assistance



UTMD also has a complete line of instruments that are specially configured for use with the Four-Way Expander System.

- Each instrument has an angled handle to preserve physician view and working area
- Each instrument is coated for use during electrosurgical procedures to avoid unintentional shock and burns

ITEM	SIZE	DIMENSIONS	ITEM NO.
Four-Way Expander LETZ-Coated <sup>1</sup>	Medium	4.25" x 0.8"	ES-16122-MLE
Four-Way Expander LETZ-Coated <sup>1</sup>	Large	4.75" x 0.9"	ES-16132-LLE
Four-Way Expander LETZ-Coated <sup>1</sup>	Extra-Large	6.0" x 1.0"	ES-16135-XLE
Four-Way Expander Stainless Steel	Medium	4.25" x 0.8"	ES-16121-MST
Four-Way Expander Stainless Steel	Large	4.75" x 0.9"	ES-16131-LST
Four-Way Expander Stainless Steel	Extra-Large	6.0" x 1.0"	ES-16134-XST
Four-Way Expander Autoclavable Resin <sup>1</sup>	Medium	4.25" x 0.8"	ES-16101-MPL
Four-Way Expander Autoclavable Resin <sup>1</sup>	Large	4.75" x 0.9"	ES-16110-LPL
Schroeder Tenaculum		10"	ES-16201-SCT
Atraumatic Tenaculum		10"	ES-16207-STT
Emmett Tenaculum		10"	ES-16205-EMT
Iris Hook		10"	ES-16203-IRH
Straight Hook		10"	ES-16209-LEH
Two-Prong Hook		10"	ES-16211-TPH
Three-Prong Hook		10"	ES-16213-TRH
Instrument Holder for Four-Way Expander			ES-16141-INS
Disposable Smoke Evacuation (DSE) Tubing (Box of 50)			ES-16145-TUB

Kogan Endocervical Speculum	Standard	1.00" x 5mm	ESI-140
Kogan Endocervical Speculum	Narrow	1.00" x 3mm	ESI-141
Tissue Forceps		8"	ESI-401
Tissue Forceps		10"	ESI-402
Dressing Forceps		8"	ESI-403
Dressing Forceps		10"	ESI-404
Ring Forceps		9"	ES-16215-LRF
Lateral Wall Retractor		3.25" x .75"	ESI-300

<sup>1</sup> Requires DSE Tubing (ES-16145-TUB)



# Optimized Local Anesthesia

- Use Less Lidocaine
- Effortless Injections
- Easily Reach the Deepest Cervix

## THE COMPUMED® SYSTEM Computer Controlled Injection is Ideal for LETZ

The CompuMed Anesthesia Injection System is a proprietary computer-controlled mechanism and The Wand® handpieces that allow for accurate, pain-free injection of lidocaine for loop excision procedures. Because the CompuMed system provides the injection force, it is now possible to use the finest gauge needles – injection of the cervix is easily done with a 30 gauge needle.

CompuMed provides a three-speed injection rate – the slow rate provides a small amount of lidocaine during insertion that anesthetizes as the needle penetrates. The normal injection rate is ideal to minimize discomfort – especially the 'burning' sensation and cramping that is often the result of a rapid injection. A high speed injection mode is also available for use at the user's discretion.

The Wand's 6" (15cm) handle length eliminates the need for an expensive reinforced needle, and minimizes retention of a significant volume of lidocaine that is characteristic of a needle extender.

- Achieve cervical injections without hand fatigue – maintain control of loop excision motion
- Footswitch controllable injection rate allows for pain- and cramp-free injection by enabling lidocaine delivery during needle insertion Cartridge style system eliminates risk of needlestick inherent to traditional syringe loading from a vial
- Extended length handpiece easily reaches the cervix with a short needle, eliminating needle extenders and expensive reinforced needles
- Aspiration mode helps prevent intravascular injection of lidocaine and epinephrine
- The Wand extended length handpieces allow the use of fine gauge needles – inject with a 30 gauge needle



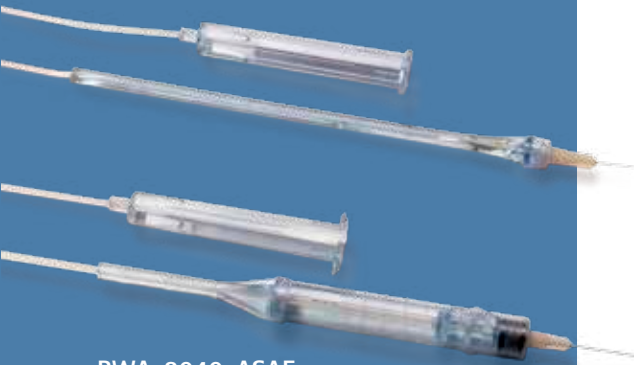
### COMPUMED®

CompuMed System Module		
Dimensions	7.2" H x 6.3" D x 3.0" W (18cm x 16cm x 8cm)	
Cartridges	accepts standard 1.8 ml cartridges	
Injection Rates	(time to dispense 1.8ml)	
	slow:	280-330 sec
	normal:	50-55 sec
	high:	25-28 sec
The Wand Handpieces		
Handpiece Length	The Wand:	6" (15cm)
	SafetyWand:	5.3" (13cm)
Tubing Length	52" (132cm)	

"I love it! The injection is effortless and I use less lidocaine, compared to a control syringe."

Mark Stowers, MD  
Salt Lake City, UT

RWA-2050-305  
The Wand with 30 ga ½" Needle



RWA-2040-ASAF  
SafetyWand  
(shown with 27 ga 1¼" needle)

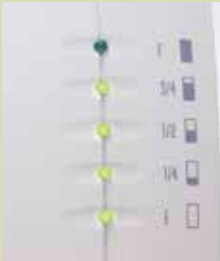
## The SafetyWand

The SafetyWand optimizes sharps safety when using the CompuMed system. SafetyWand is lighter than a traditional syringe and is operated with one hand. The pen-like grasp provides optimal ergonomics, allowing maximal tactile control.

Needles up to 1¼" can be retracted multiple times to maintain sharps safety during multiple-cartridge injections. When injections are complete, the SafetyWand can be permanently locked for safe disposal.



Amount of lidocaine remaining in cartridge is clearly displayed



Needle cap holder enables one-hand recapping of used needle



Five-second aspiration mode can be used to rule out intravascular injection



ITEM	QUANTITY	ITEM NO.
CompuMed System (110 Volt operation)		RMD-1303-110
CompuMed System (220 Volt operation)		RMD-1303-220
The Wand, without needle	10 / box	RWA-2050A
The Wand, with 27 ga 1¼" needle	10 / box	RWA-2050-2725
The Wand, with 30 ga 1" needle	10 / box	RWA-2050-301
The Wand, with 30 ga ½" needle	10 / box	RWA-2050-305
SafetyWand, without needle	10 / box	RWA-2040-ASAF
27 ga 1¼" needle	100 / box	N-27G125
30 ga 1" needle	100 / box	N-30G100
30 ga ½" needle	100 / box	N-30G050
Replacement Plunger and 10 O-Rings		RWA-1020
Package of 10 O-Rings		RWA-1030
Pneumatic Footswitch		RWA-1043

# Uterine Assessment

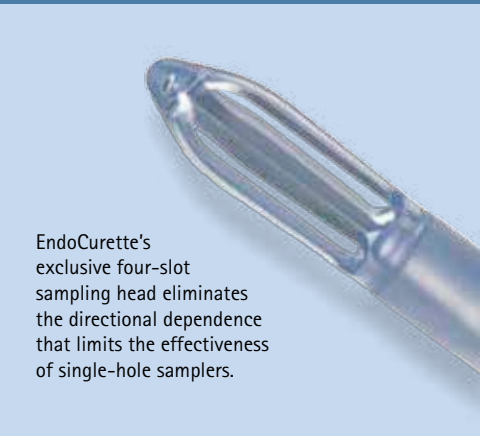
Effective First-Line AUB Diagnostic Tools  
Increase Detection Probability

## TVUS/HSG-CATH™ for Saline Infusion Sonography and Hysterosalpingography

TVUS/HSG-Cath has been designed to offer clinical advantages when performing effective sonohysterography, or saline infusion sonography (SIS). TVUS/HSG-Cath is a dual-lumen system that integrates a highly durable polyurethane balloon that minimizes saline leakage when placed at the internal os. Its small diameter (8mm) results in minimal visual artifact to allow sufficient time to visualize the uterine image. Also, because its smaller diameter is easily controlled, intracervical balloon placement can be used to provide ideal imaging conditions and better patient tolerance<sup>1</sup>.

- Depth markings ensure accurate placement of the catheter, and helps avoid fundal injury
- Enhanced infusion cross section to provide rapid contrast media infusion with less physical effort
- A choice of catheter introducer methods — a pre-loaded stylet is ready for immediate use when stenosis is present, and a peel-away introducer maintains catheter tactility during insertion and can be removed prior to imaging

The 30cm long dual-lumen, radiopaque polyurethane catheter body makes TVUS/HSG-Cath highly suitable during Hysterosalpingography (HSG) for fertility assessment.



EndoCurette's exclusive four-slot sampling head eliminates the directional dependence that limits the effectiveness of single-hole samplers.



## ENDO CURETTE® Endometrial Sampler to Minimize False Negatives

In-office endometrial sampling is a cost-efficient method for first-line diagnosis of abnormal uterine bleeding (AUB). However, published studies<sup>2,3</sup> demonstrate that existing suction curette devices do not provide consistent specimen volume or quality, and insinuate the cause may be due to sampling tissue through a single, small port. Consequently, false negative assessment often occurs in patients with focal pathology.

EndoCurette uses four bowed curetting elements to remove endometrium independent from the orientation of the four elongated sampling ports. This patented<sup>4</sup> configuration is most effective with a single fundus-to-os draw with a twisting motion. EndoCurette obtains robust tissue samples with intact glands and stroma, often providing first-pass definitive diagnosis of abnormal bleeding causes.

- Multi-port tip configuration is designed to obtain a sample representative of a majority of the endometrial surface to improve detection of focal pathology.
- Deliberate fundus-to-os sampling motion prevents patient discomfort and risk of trauma by eliminating repeated fundal contact of tip.
- Tip profile, vacuum plunger, and cannula rigidity provide stiffness that facilitates insertion and may help provide access through mildly stenotic cervix.
- Two options available — a traditional plunger style for easy sampling, and a syringe-driven model that maintains suction with aspiration.

ITEM	QUANTITY	ITEM NO.
TVUS/HSG-Cath, 5Fr, with Integral Stylet	10 / box	MIS-50ST
TVUS/HSG-Cath, 5Fr, with Peel-Away Introducer	10 / box	MIS-50P
EndoCurette	25 / box	CUR-100
EndoCurette Clear, with 20cc syringe	20 / box	CUR-120

1 Spieldoch RL, et al, *Optimal catheter placement during sonohysterography*, Obstet Gynecol, 111:1: 15-21 (2008)  
2 Rodriguez GC et al, *A comparison of the Pipelle device and the Vabra aspirator as measured by endometrial denudation in hysterectomy specimens: The Pipelle device samples significantly less of the endometrial surface than the Vabra aspirator*, Am J Obstet Gynecol 1993;168:55-9  
3 Guido RS et al, *Pipelle endometrial sampling: sensitivity in the detection of endometrial cancer*, J Reprod Med 1995;40:553-5  
4 U.S. Patent Number 5,807,282; Licensed from Mayo Clinic



# Incontinence Therapy

- Manage Patients, Not Insurance
- Encourage High Patient Compliance to Therapy Plan
- Maintain Revenue in Your Practice

## THE LIBERTY® SYSTEM

### A Logical First Choice for Pelvic Floor Therapy

Non-surgical pelvic floor treatments and therapies avoid the significant complications that are associated with many current surgical treatments for urinary incontinence (UI). In cases of mild to moderate cases of UI, doesn't it make sense to provide a therapy that has high patient success without the risk of complication?

Pelvic floor stimulation (PFS) is a non-surgical treatment which activates natural neuromuscular mechanisms. In the case of stress incontinence, PFS automates Kegel exercises via a pudendal nerve reflex. In the case of urge incontinence, PFS inhibits inappropriate bladder contractions.

Unlike other treatments, PFS has no side effects, always exercises the correct muscles, and does not require active patient participation.

The Liberty® System is the easiest to use and most cost-effective PFS system available. It consists of a stimulation device and a choice of three comfortable exercisers.

Liberty's simplified design exercises the correct muscles and is easy to use, therefore helping increase patient compliance to the therapy program you prescribe. Because it uses simple controls, patients of all ages find Liberty's use very intuitive. Liberty is preprogrammed to deliver stimulation waveforms found to be effective for stress and urge incontinence, with a simple toggle of the plainly labeled switch. Stimulation therapy is automatically programmed to cease after 30 minutes.

- Maintain UI patients in your practice, rather than referring them out to a specialist.
- Covered by Medicare and most insurers.
- In-house Liberty Specialists actively manage the patient's insurance claim, eliminating this administrative burden on your staff.



# Uterine Manipulation

Cost-Effective High-End Functionality

## LUMIN®

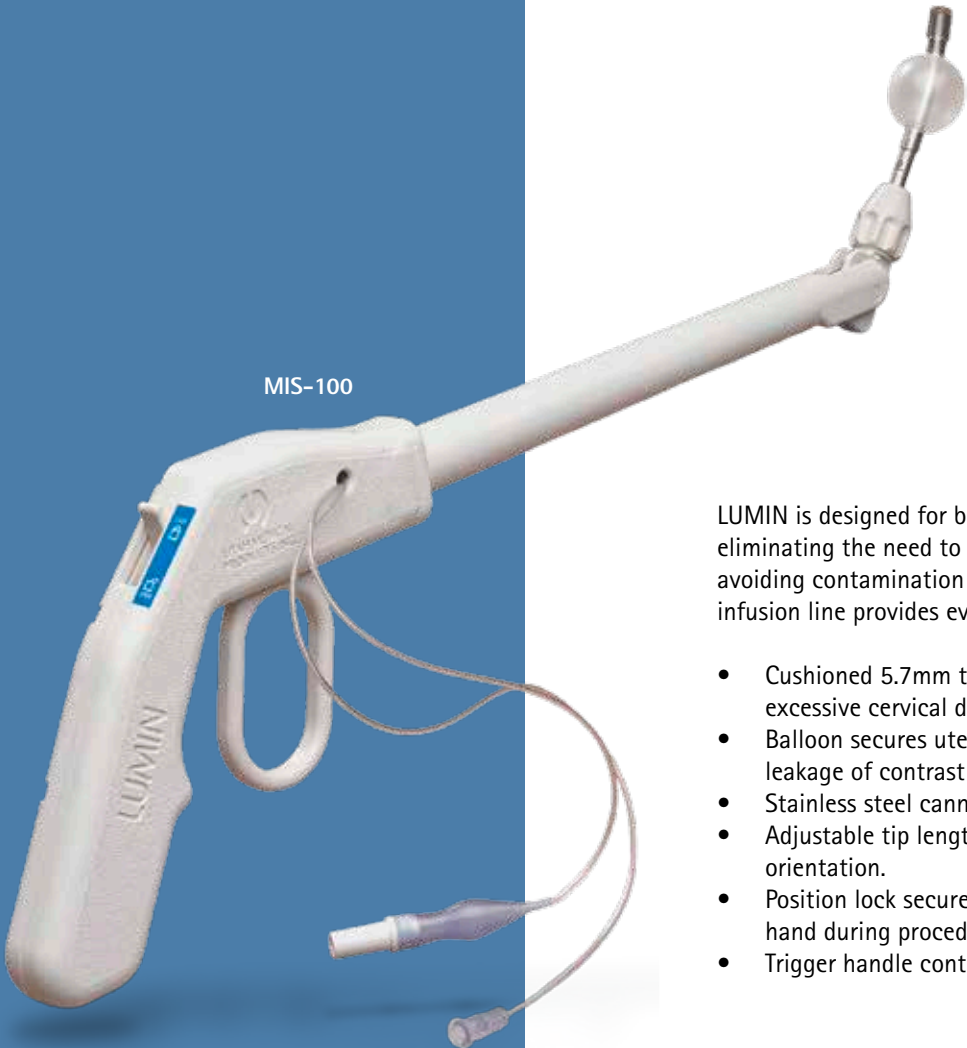
### Disposable Uterine Manipulator

LUMIN™ (Laparoscopic Uterine Manipulator INjector) is a disposable, single-use, sterile device that has set a new standard for controlled uterine manipulation. The ergonomic and unique design of the trigger handle offers control through a wide range of manipulation angles. A positioning lock and intrauterine balloon allow the manipulator to secure uterine position, freeing the surgeon's hands during the procedure.

LUMIN offers excellent versatility for application in a variety of procedures.

LUMIN is designed for both diagnostic and surgical procedures, eliminating the need to change manipulators during a procedure, thereby avoiding contamination of surgical fields and saving valuable time. The infusion line provides evaluation of tubal patency.

- Cushioned 5.7mm tip reduces risk of uterine perforation without excessive cervical dilatation.
- Balloon secures uterine position without a tenaculum and prevents leakage of contrast media and fluids.
- Stainless steel cannula provides strength for confident control.
- Adjustable tip length accommodates correct uterine depth and orientation.
- Position lock securely maintains uterine position, freeing surgeon's hand during procedure.
- Trigger handle control offers easy, precise positioning.



ITEM	QUANTITY	ITEM NO.
Liberty Pelvic Floor Stimulation System	1 each	PFS-200
Liberty Standard Vaginal Exerciser	1 each	PFS-041
Liberty Extended Handle Vaginal Exerciser	1 each	PFS-042
Liberty Rectal Exerciser	1 each	PFS-043
Lumin Uterine Manipulator	10 / box	MIS-100

Educational Materials

"Large Loop Excision of the Transformation Zone"

Prof. Walter Prendiville's Large Loop Excision of the Transformation Zone contains a wealth of information on LETZ, with contributions from many authorities on the procedure.

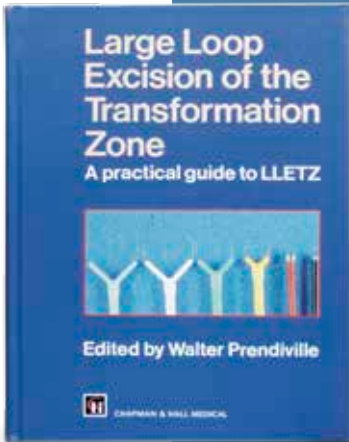
"A Guide to CIN Management"

This video is an excellent resource for the LETZ procedure (NTSC or PAL videotape, NTSC DVD).

LETZ Patient Information Brochure

Written to assist the clinician in educating and assuring patients about CIN and the LETZ procedure.

ITEM	QUANTITY	ITEM NO.
Large Loop Excision of the Transformation Zone	1 each	ESU-981
A Guide to CIN Management	1 each	ESU-982
LETZ Patient Information Brochure	Pack of 25	ESU-991



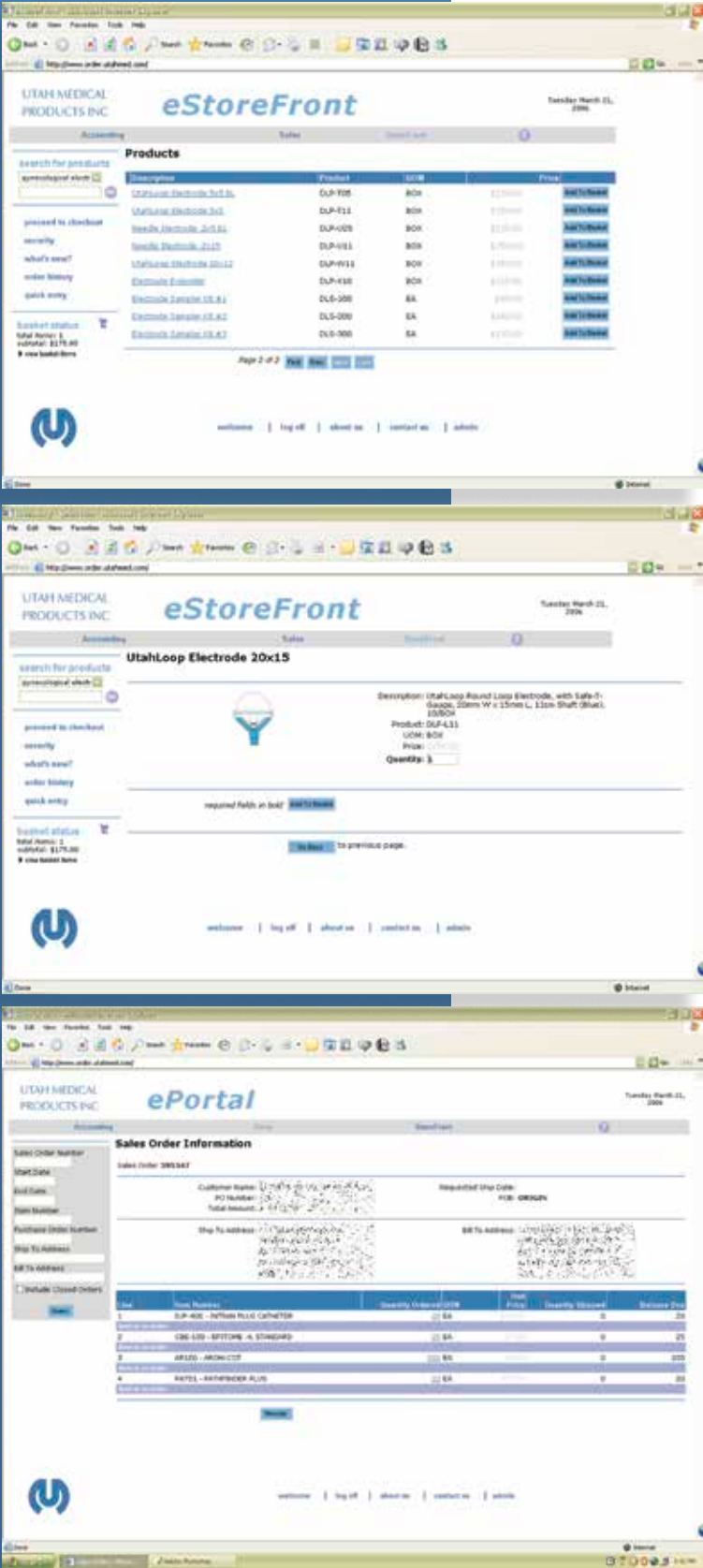
ESU-981



ESU-991



ESU-982



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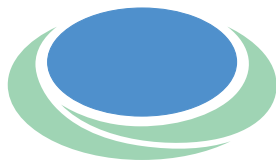
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UTAH MEDICAL PRODUCTS

FEMCARE-NIKOMED



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