ELECTROSURGERY
Improving Surgical Results
Outstanding Electrodes for HPV Management
Developed and manufactured by Utah Medical Products (UTMD), UtahLoop specialty electrodes deliver highly predictable excisional performance. Why? Because UtahLoops are constructed using UTMD’s proprietary ExactFit™ assembly process and have the patented Safe-T-Gauge®. The Safe-T-Gauge adjustable depth control device provides several important advantages:

- 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 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.

Management of Deep Endocervical Disease
The patented C-LETZ Conization Electrode features a wire with a cervical contour to completely excise CIN without removing excessive healthy cervical tissue. Maximum therapy is achieved with a single contoured device which often eliminates the need for cold knife conization.

- Contoured wire shape provides consistently clear excision margins, removes a minimum of healthy tissue, and provides a 98% rate of certain histopathology diagnosis?
- Yields low CIN recurrence rate that is comparable to loop excision.
- Provides a single tissue specimen compared to ‘top hat’ excisions.
- Potentially reduces the possibility of cervical stenosis.
- Provides simultaneous hemostasis that is not available with cold knife conization.

Tungsten Wire
All loop and needle electrodes utilize high-grade tungsten wire. Because it retains its mechanical properties at a higher temperature than stainless steel, tungsten maintains better shape and wire integrity throughout the excision procedure.

Color Coded Identification
For convenience, color-coded shafts eliminate the need to read product labels to identify correct electrode sizes.

Disposable
UTMD electrosurgical electrodes are single use, disposable. This prevents cross-contamination from patient to patient, ensures the use of lowest power settings, and minimizes thermal artifact on the specimen.

Conversion Kits
UTMD electrodes can improve LETZ® procedure results when used with virtually any ESU system. Contact UTMD to configure a package to your exact needs.

C-LETZ® Conization Electrodes

UtahLoop Electrodes

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

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 T-shaped shaft, along with superior workmanship, provide excellent rigidity and accurate excision depth control.

The C-LETZ Conization Electrode’s contoured wire is designed for complete removal of lesions with glandular involvement. Clear excision margins are virtually assured.

1 U.S. Patent 5,324,288
2 U.S. Patent 5,951,550
Cleaner Sample Margins
Closely Control Excision to Provide Accurate Samples
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2 U.S. Patent 5,951,550
Epitome®, UTMD’s patented 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. 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

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.

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.

1 U.S. Patents 5,860,976; 6,126,656

3 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 as compared to a standard tip incision.

4 ZapGuard™ is available on select Epitome scalpels to reduce potential for electrical shocks and burns.
Cold Scalpel Healing with Electrosurgical Modality

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

Epitome® Scalpel

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■ Cosmetic results comparable to a cold scalpel
■ Hemostasis of the electrosurgical modality
■ Improved Wound Healing

External Lesion Electrodes

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3 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).
The FINESSE and FINESSE II Electrosurgical Generator and Smoke Evacuation Systems have been designed to meet the highest performance and safety standards required for loop electrosurgery procedures.

**Controlled Output Circuitry**
Both systems incorporate Controlled Output Circuitry to produce the best histological tissue specimen for the pathologist. Controlled Output Circuitry is an "intelligent cut" module that maintains the output within the ideal cutting range to produce a specimen with minimal thermal damage at the margins. It also allows the generator to be set at a preferred ‘cut’ power output setting, but continuously adjusts itself to meet the minimum needs for optimal cutting. This eliminates any need to adjust the output setting when changing loop sizes.

**Optimal Excisions**
Produce Ideal Tissue Samples for Histopathology
Safely Manage Infectious Potential of Smoke Plume
Save Valuable Office Space through Integration
Focus on Procedure, Not on Equipment

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**Electrosurgical Generators**

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**Integrated Smoke Evacuation**
The FINESSE and FINESSE II Systems utilize a patented design that integrates the electrosurgical generator and smoke evacuation system into a single compact unit. This results in an optimal design for 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.

**Three-Stage Particle Filtration**
The FINESSE and FINESSE II Systems utilize a three-stage filtration system to evacuate and filter the smoke plume produced during electrosurgery. The filtration system includes an activated charcoal filter which absorbs 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.

**Safety**
The FINESSE and FINESSE II Systems meet ANSI/AAMI HF-18 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 shock or burn. In addition, the systems will sound an alarm and automatically shut off should an interruption occur in the connection to the dispersive pad.

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**Dimensions:**

**Width**: 14.0” (35.6 cm)

**Depth**: 14.2” (36.1 cm)

**Height**: 7.1” (18.0 cm)

**Weight**: 22 lb. (10 kg)

**Electrical Supply:**

**Voltage**: 115 volt / 230 volt

**Frequency**: 45-65 Hz

**Current**: 6.25 Amps / 4.5 Amps

**Low Frequency Leakage**: <100 microamps

**Electrical Output:**

**Frequency**: 450 kHz

**Cut/Blended Power**: 6 - 99 Watts @ 500 ohm load

**Cut Mode**: Continuous Sinusoid

**Blended 1 Mode**: Interrupted Sinusoid: 62.5% Duty Cycle

**Blended 2 Mode**: Interrupted Sinusoid: 50% Duty Cycle

**Blended 3 Mode**: Interrupted Sinusoid: 37.5% Duty Cycle

**Coag Power**: 6 - 75 Watts @ 500 ohm load

**Coag Voltage**: 3,500 Volts p-p max (open circuit)

**Activation**: Handswitch, Footswitch

**Smoke Evacuation:**

**Flow Rate**: >90 liters/min, (2.8 CFM)

**Efficiency**: >99.999% @ 0.1 microns

**Standards Compliance:**

ANSI/AAMI HF-18

IEC 601-2-2, 93/42/EEC (ESU2-220)

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**U.S. Patent 5,160,334**
The FINESSE and FINESSE II Electrosurgical Generator and Smoke Evacuation Systems have been designed to meet the highest performance and safety standards required for loop electrosurgery procedures.

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### Specifications

**ESU-110 / ESU-220**
- **Dimensions:**
  - Width: 14.0” (35.6 cm)
  - Depth: 14.2” (36.1 cm)
  - Height: 7.1” (18.0 cm)
  - Weight: 22 lb. (10 kg)
- **Electrical Supply:**
  - Voltage: 115 volt / 230 volt
  - Frequency: 45-65 Hz
  - Current: 6.25 Amps / 4.5 Amps
  - Low Frequency Leakage: < 100 microamps
- **Electrical Output:**
  - Frequency: 450 kHz
  - 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: 3,500 Volts p-p max (open circuit)
  - Activation: Handswitch, Footswitch
- **Smoke Evacuation:**
  - Flow Rate: Normal >70 liters/min. (2.5 CFM)
  - Efficiency: >99.999% @ 0.1 microns
- **Standards Compliance:**
  - ANSI / AAMI HF-18
  - IEC 601-2-2, 93/42/EEC (ESU2-220)

**ESU2-110/ESU2-220**
- **Dimensions:**
  - Width: 14.0” (35.6 cm)
  - Depth: 12.3” (31.2 cm)
  - Height: 7.1” (18.0 cm)
  - Weight: 20 lb. (9 kg)
- **Electrical Supply:**
  - Voltage: 115 volt / 230 volt
  - Frequency: 45-65 Hz
  - Current: 6.25 Amps / 4.5 Amps
  - Low Frequency Leakage: < 100 microamps
- **Electrical Output:**
  - Frequency: 450 kHz
  - Cut Power: 65 Watts @ 500 ohm load
  - Blended Cut Mode: Interrupted Sinusoid: 62.5% Duty Cycle
  - Coag Power: 60 Watts @ 500 ohm load
  - Coag Voltage: 3,500 Volts p-p max (open circuit)
  - Activation: Handswitch, Footswitch
- **Smoke Evacuation:**
  - Flow Rate: >80 liters/min. (2.8 CFM)
  - Efficiency: >99.999% @ 0.1 microns
- **Standards Compliance:**
  - ANSI/AAMI HF-18
  - IEC 601-2-2, 93/42/EEC (ESU2-220)
Dangers of the 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.

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.

Smoke Evacuation Filters

Components for Single-Source Convenience

UTMD has high quality systems of 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 99.9999% or greater particle filtration efficiency.
■ Large filter surface area yields high airflow while ensuring long-term particle entrainment. Achieves quick, effective removal of the surgical plume.
■ System components fit directly into smoke filtration unit for immediate use — no adaption required.

Filtration Kit ESU-962

1  ESU-540 ULPA / Charcoal Filter
5  ESU-541 Prefilter
5  ESU-542 Reducer Fitting
5  951-712 Complete Tubing Kit

COMPATIBILITY

CooperSurgical 6080
Surgimedics Surgifresh Mini
Surgimedics Plume-inator
Valleylab AirForce

Filtration Kit ESU-961

1  ESU-550 Internal Filter ULPA Filter
1  SSE-501 External Filter Pack
15 ESU-502 Spessel Tubing and Reducer

COMPATIBILITY

Aspen/ConMed AirSafe AspenVac
BEI Medical LLETZ-Plus
Calen/Covimedics MiniVac
Covarometrics Model 201
Stackhouse AirSafe MiniVac
Nordic/Walker ProtectAir
Valleylab ValleyVac
ZSI LLETZ-Plus

ITEM QUANTITY ITEM NO.
Filtresse Smoke Filtration System 110 VAC 1 each SSE-100
Filtresse Smoke Filtration System 220 VAC 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’ Spesulum Tubing and 7/8” Reducer Fitting (Nonsterile) Box of 15 ESU-400
1/4” x 36’ Flexible Tubing and 7/8” Reduces Fitting (Sterile) Box of 10 SSE-512
Filtresse External Filter Cartridge for SSE-502 and SSE-513 1 each SSE-511
Filtresse Pneumatic Footswitch 1 each SSE-600
Filter Retaining Ring 1 each SSE-410
Fuse, 10A Slo-Blo (for SSE-100) 1 each SSE-411
Fuse, 5A Slo-Blo (for SSE-200) 1 each SSE-412
Fuse, 10A Slo-Blo (for SSE-100) 1 each SSE-710
Fuse, 5A Slo-Blo (for SSE-200) 1 each SSE-720

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 (Fits ESU-500 to 951-712) Box of 5 ESU-542
ULPA Filter Cartridge and Adaptor for Stackhouse AirSafe MiniVac 1 each ESU-550

Dimensions 9" W x 17” D x 9” H
23cm W x 43cm D x 23cm H

Weight 14 lbs. (6kg)

Flow Rate 3.5 cubic feet per minute (100 liters per minute) through 1/4” I.D. tubing
5.5 cubic feet per minute (270 liters per minute) through 22 mm I.D. tubing

Minimum Sealed Vacuum 48” Hg (1200 mmHG) at maximum speed

Filtration Efficiency >99.999% @ 0.1 microns, 3 CFM (86 liters/minute)
Internal Filter Life 1 year
External Filter Pack Life Up to 15 procedures

Filtresse™ SSE-100 / SSE-200

Filtresse Smoke Filtration System

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

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Smoke Evacuation Filters

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Filtresse Smoke Filtration System 110 VAC

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<tbody>
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<td>Filtresse Smoke Filtration System 110 VAC</td>
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<tr>
<td>Filtresse Smoke Evacuation System 220 VAC</td>
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<tr>
<td>Filtresse Internal ULPA Filter Cartridge</td>
</tr>
<tr>
<td>Filtresse External Filter Pac (Nonsterile)</td>
</tr>
<tr>
<td>7/8&quot; Tubing Set with 1/4&quot; Instrument Tubing/Reducer (Nonsterile)</td>
</tr>
<tr>
<td>7/8&quot; x 10' Large Bore Tubing (Sterile)</td>
</tr>
<tr>
<td>1/4&quot; x 12&quot; Speculum Tubing and 7/8&quot; Reducer Fitting (Nonsterile)</td>
</tr>
<tr>
<td>1/4&quot; x 12' Flexible Tubing and 7/8&quot; Reducer Fitting (Sterile)</td>
</tr>
<tr>
<td>Filtresse External Filter Cartridge for SSE-503 and SSE-513</td>
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<tr>
<td>Filtresse Pneumatic Footswitch</td>
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<tr>
<td>Filter Retaining Ring</td>
</tr>
<tr>
<td>Fuse, 10A Slow-Blo for SSE-100</td>
</tr>
<tr>
<td>Fuse, 5A Slow-Blo [for SSE-200]</td>
</tr>
<tr>
<td>Flow Rate</td>
</tr>
<tr>
<td>&gt;6.5 cubic feet per minute (270 liters per minute) through 22 mm LD tubing</td>
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<tr>
<td>Minimum Sealed Vacuum</td>
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<tr>
<td>Filtration Efficiency</td>
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<tr>
<td>Internal Filter Life</td>
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<tr>
<td>External Filter Pack Life</td>
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</table>

Cost Effective Smoke Plume Management

Smoke Evacuation Filters Components for Single-Source Convenience
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- Three-stage filtration design consists of activated charcoal plus two high performance Filter elements, providing 99.9999% or greater particle filtration efficiency.
- Large filter surface area yields high airflow while ensuring long-term particulate entrapment. Achieves quick, effective removal of the surgical plume.
- System components fit directly into smoke filtration unit for immediate use — no adaption required.

Filtration Kit ESU-961

<table>
<thead>
<tr>
<th>ITEM QUANTITY ITEM NO.</th>
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<tbody>
<tr>
<td>1 ESU-550 Internal Filter ULPA Filter</td>
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<tr>
<td>1 SSE-501 External Filter Pack</td>
</tr>
<tr>
<td>15 ESU-502 Speculum Tubing and Reducer</td>
</tr>
</tbody>
</table>

COMPATIBILITY
- Aspen/ComMed AirSafe AspenVac
- BEI Medical LLETZ-Plus
- Cabot/Cryomedics MiniVac
- Corometrics Model 201
- Stackhouse AirSafe MiniVac
- Nordus/Walker ProtectAir
- Valleylab Vaklyvac
- ZSI LLETZ-Plus

Filtration Kit ESU-962

<table>
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<th>ITEM QUANTITY ITEM NO.</th>
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<td>1 ESU-540 ULPA / Charcoal Filter</td>
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<tr>
<td>5 ESU-541 Prefilter</td>
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<tr>
<td>5 ESU-542 Reducer Fitting</td>
</tr>
<tr>
<td>5 951-712 Complete Tubing Kit</td>
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</table>

COMPATIBILITY
- CooperSurgical 6080
- Surgimedics Surgifresh Mini
- Surgimedics Plume-Inator
- Valleylab AirForce

Filter Retaining Ring 1 each SSE-410
Fuse, 10A Slow-Blo for SSE-100 1 each SSE-410
Fuse, 5A Slow-Blo [for SSE-200] 1 each SSE-710
Flow Rate >3.5 cubic feet per minute (100 liters per minute) through 1/4" LD tubing
>6.5 cubic feet per minute (270 liters per minute) through 22 mm LD tubing
Minimum Sealed Vacuum 45" Hg (86 mmHg) at maximum speed
Filtration Efficiency >99.999% @ 0.1 microns, 3 CFM (86 liters/minute)
Internal Filter Life 1 year
External Filter Pack Life Up to 15 procedures
DISPERSIVE PADS
These pre-corded dispersive pads incorporate several improvements compared to standard dispersive pads to minimize risks of patient shock and 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.
- Pads are Latex-Free.

ITEM QUANTITY ITEM NO.

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Item No.</th>
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<tbody>
<tr>
<td>Dispersive pad, Solid with Safety Ring</td>
<td>Box of 10</td>
<td>ESU-9135LP</td>
</tr>
<tr>
<td>Dispersive pad, Split (REM™) with Safety Ring</td>
<td>Box of 10</td>
<td>ESU-9160*</td>
</tr>
</tbody>
</table>

*Not for use with Finesse or Finesse II

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

ITEM QUANTITY ITEM NO.

<table>
<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Item No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dispersive pad adapter, Finesse, Finesse II (pre-1998)</td>
<td>1 each</td>
<td>ESU-3160C</td>
</tr>
<tr>
<td>Dispersive pad adapter Cryomedics, Cooper 1000, Alpin, Leisinger, Cameron Miller</td>
<td>1 each</td>
<td>ESU-3151C</td>
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</tbody>
</table>

FILTERS
The Filter Pack II for the FINESSE and FINESSE II Systems 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.

ITEM QUANTITY ITEM NO.

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<thead>
<tr>
<th>Description</th>
<th>Quantity</th>
<th>Item No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Finesse Filter Pack</td>
<td>Box of 5</td>
<td>ESU-501</td>
</tr>
<tr>
<td>Speculum Tubing and Reducer</td>
<td>Box of 15</td>
<td>ESU-502</td>
</tr>
<tr>
<td>Universal Disposable Tubing Set</td>
<td>Box of 10</td>
<td>951–712</td>
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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.

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<tr>
<th>Description</th>
<th>Quantity</th>
<th>Item No.</th>
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<tbody>
<tr>
<td>Two-Button Electrosurgery Pen, Handswitch Control</td>
<td>Box of 10</td>
<td>ESU-305</td>
</tr>
<tr>
<td>Electrosurgery Pen for Footswitch Activation, Direct Fit</td>
<td>Box of 10</td>
<td>ESU-306</td>
</tr>
<tr>
<td>Electrosurgery Pen for Footswitch Activation*</td>
<td>Box of 20</td>
<td>ESU-301</td>
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</tbody>
</table>

*Requires existing adapter

INTERNAL FILTERS
To keep the FINESSE and FINESSE II systems’ smoke evacuator functioning efficiently, the internal filter should be replaced annually. Included with the filter are instructions and a tool for easy replacement.

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<th>Quantity</th>
<th>Item No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Finesse Internal Filter</td>
<td>1 each</td>
<td>ESU-700</td>
</tr>
</tbody>
</table>
DISPERSIVE PADS
These pre-corded dispersive pads incorporate several improvements compared to standard dispersive pads to minimize risks of patient shock and 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.
- Pads are Latex-Free

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

- Dispersive pad adapter, Fineise, Fineise II (pre-1998) 1 each ESU-3160C
- Dispersive pad adapter Cryomedics, Cooper 1000, Alges, Leisegang, Cameron Miller 1 each ESU-3151C

Determine the need for a dispersive pad adapter by verifying the shape and pin spacing of the rectangular dispersive pad receptacle on the front panel of your Finesse or Fineise II System:

- 3/8” (10mm) No Adapter Required
- 1/4” (6mm) ESU-3160C

Note notches within connector

ESU-501
ESU-150
ESU-170
ESU-305
ESU-301
ESU-502
ESU-306

FOOTSWITCHES
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.

- Footswitch Assembly, 4-pin style 1 each ESU-170
- Footswitch Assembly, 3-pin style* 1 each ESU-150

*For early models of Finesse and Fineise II

FILTERS
The Filter Pack II for the FINESSE and FINESSE II Systems 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.

- 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

INTERNAL FILTERS
To keep the FINESSE and FINESSE II systems’ smoke evacuator functioning efficiently, the internal filter should be replaced annually. Included with the filter are instructions and a tool for easy replacement.

- Finesse Internal Filter 1 each ESU-700

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.

- 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

*Requires existing adapter

3/8” (10mm)

Note notches within connector

1/4” (6mm) ESU-3160C

ES-9165
ES-9135LP
ES-3160C
ES-3151C
ESU-700
ESU-170
ESU-150
ESU-502
ESU-305
ESU-301
ESU-306
ESU-501

Finesse/Finesse II Adapter Selection Diagrams

A Comprehensive Range for Your Electrosurgical System
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.

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.
- 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.

<table>
<thead>
<tr>
<th>ITEM</th>
<th>SIZE</th>
<th>DIMENSIONS</th>
<th>ITEM NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Four-Way Expander Autoclavable Resin¹ Medium</td>
<td>4.25” x 0.8”</td>
<td>ES-16101-MPL</td>
<td></td>
</tr>
<tr>
<td>Four-Way Expander Autoclavable Resin¹ Large</td>
<td>4.75” x 0.8”</td>
<td>ES-16101-3PL</td>
<td></td>
</tr>
<tr>
<td>Four-Way Expander Stainless Steel Medium</td>
<td>4.25” x 0.8”</td>
<td>ES-16123-MST</td>
<td></td>
</tr>
<tr>
<td>Four-Way Expander Stainless Steel Large</td>
<td>4.75” x 0.8”</td>
<td>ES-16123-3ST</td>
<td></td>
</tr>
<tr>
<td>Four-Way Expander Stainless Steel Extra-Large</td>
<td>6.0” x 1.0”</td>
<td>ES-16134-XST</td>
<td></td>
</tr>
<tr>
<td>Four-Way Expander LETZ-Coated¹ Medium</td>
<td>4.25” x 0.8”</td>
<td>ES-16132-MLE</td>
<td></td>
</tr>
<tr>
<td>Four-Way Expander LETZ-Coated¹ Large</td>
<td>4.75” x 0.8”</td>
<td>ES-16132-LLE</td>
<td></td>
</tr>
<tr>
<td>Four-Way Expander LETZ-Coated¹ Extra-Large</td>
<td>6.0” x 1.0”</td>
<td>ES-16135-XLE</td>
<td></td>
</tr>
<tr>
<td>Schroeder Tenaculum</td>
<td>10”</td>
<td>ES-16201-SCT</td>
<td></td>
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<tr>
<td>Emmett Tenaculum</td>
<td>10”</td>
<td>ES-16205-EMT</td>
<td></td>
</tr>
<tr>
<td>Atraumatic Single Tooth Tenaculum</td>
<td>10”</td>
<td>ES-16207-STT</td>
<td></td>
</tr>
<tr>
<td>Iris Hook</td>
<td>10”</td>
<td>ES-16203-IRH</td>
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</tr>
<tr>
<td>Straight Hook</td>
<td>10”</td>
<td>ES-16209-LEH</td>
<td></td>
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<tr>
<td>Two-Prong Hook</td>
<td>10”</td>
<td>ES-16211-TPH</td>
<td></td>
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<tr>
<td>Three-Prong Hook</td>
<td>10”</td>
<td>ES-16213-3RH</td>
<td></td>
</tr>
<tr>
<td>Instrument Holder for Plastic Four-Way Expander</td>
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<td>ES-16141-INS</td>
<td></td>
</tr>
<tr>
<td>Instrument Holder for Stainless/Letz Four-Way Expander</td>
<td></td>
<td>ES-16140-INS</td>
<td></td>
</tr>
<tr>
<td>Disposable Smear Evacuator (DSE) Tubing (Box of 50)</td>
<td></td>
<td>ES-16145-TUB</td>
<td></td>
</tr>
</tbody>
</table>

Kogan Endocervical Speculum
Standard | 1.00” x 5mm | ES-16140 |

Kogan Endocervical Speculum
Narrow | 1.00” x 3mm | ES-16141 |

Tissue Forceps
8” | ES-401 |

Dressing Forceps
8” | ES-403 |

Dressing Forceps
10” | ES-404 |

Ring Forceps
10” | ES-16215-LRF |

Lateral Wall Retractor
3.25” x 1.5” | ES-300 |

¹ Requires DSE Tubing (ES-16145-TUB)
As part of our commitment to providing physicians with a complete line of LETZ® products, UTMD offers a full range of coated instruments.

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All coated instruments can be processed using standard autoclave cycles.
**OptiSpec™ Light**

Hands-free ultra-bright illumination provides visualization without inconvenience.

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 require one hand to actively hold the lighting device, which usually emits a dull yellow, low intensity light.

UTMD’s 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 exceptional illumination of the cervix with a device that otherwise seems like it’s not even there!

- Unobtrusive clip-on shell does not limit working room.
- Pure white light provides accurate color visualization
- Easily attaches to most specula

**ITEM** | **QUANTITY** | **ITEM NO.**
--- | --- | ---
OptiSpec™ Light, ultra-bright white light (circle) | Box of 25 | LITE-WS

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**Educational Materials**

"Large Loop Excision of the Transformation Zone"
Dr. Walter Prendiville’s Large Loop Excision of the Transformation Zone contains a wealth of information on LETZ, with contributions from many leaders of 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-992
LETZ Patient Information Brochure | Pack of 25 | ESU-991

---

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- Every qualified buyer at your institution can be set up with separate authorization.

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- Enroll on-line at: [www.utahmed.com/portalregister.htm](http://www.utahmed.com/portalregister.htm)

---

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801-566-1200

**Order by Fax**
801-566-2062

**Order by Mail**
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7043 South 300 West
Midvale, Utah 84047
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Specialized Gyn Lighting
Improving cervical visualization

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<td>LITE-WS</td>
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