

The background of the slide is a photograph of a woman's face and hands. She is looking down and touching her face. In the lower-left quadrant, there is a rectangular inset image showing a close-up of a woman's blue eye.

Reduction
Mammoplasty

Improving
Plastic and
Reconstructive
Surgery Results

Abdominoplasty

Reconstruction
Mammoplasty

Blepharoplasty

Rhytidectomy

Precise results with electrosurgical tools are achieved by confining the electrical current to a specific and focused geometry. With this in mind, Utah Medical Products designed specialty precision electrosurgical electrodes that improve system performance and achieve excellent results for a range of plastic, cosmetic and reconstructive surgical procedures.

EPITOME[®] SCALPEL

Precise Dissection and Excision

The patented Epitome[®] Scalpel electrode uses a fine wire element at the edge of a non-conductive ceramic core to focus the current at the edge of the blade, resulting in clean tissue dissection with minimal thermal injury. Comparative histology (at right) of porcine skin incisions shows that Epitome (1) yields significantly reduced thermal injury and fibroplasia as compared to a standard electrosurgical tip incision (2). Providing the cutting precision exceeding that of a cold scalpel, cosmetic results comparable to a cold scalpel, and hemostasis of the electrosurgical modality, only Epitome can potentially provide:

- Rapid and precise cutting through dense breast tissue during reduction mammoplasty and mastectomy
- Rapid elevation of the abdominal flap that often eliminates seroma in abdominoplasty
- Reduced thermal tissue injury, yet easily dissects adipose tissue without increased power settings
- Minimized necrotic zone for reduced circulation complications in skin flaps



OptiMicro[™] Precision Electrodisssection

Microdissection with Unparalleled Results

The OptiMicro[™] Needle ultra-fine tip electrosurgical electrodes are designed to provide precise dissection without adverse thermal effects to yield 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.

Utah Medical Products designed and manufactures the OptiMicro Needle to exacting standards, providing the discerning surgeon with important clinical benefits:

- Thermal tissue injury is virtually eliminated, allowing excellent healing results.
- Output power settings are very low, minimizing nerve and muscle cell 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.

Surgeon Praise for Epitome

"I get excellent results when I use Epitome. Not only do I get a precise cut during mammoplasty and abdominoplasty, but my procedure times are often reduced and I do not experience problems related to thermal injury or tissue necrosis."

Curtis Wong, MD, Plastic Surgeon, Redding, CA

"Epitome is an ingenious product! I see a stark difference in its ability to cut through fatty tissue, and I get less tissue trauma than with a standard electrosurgical blade tip."

Jerry W. Bains, MD, Plastic and Reconstructive Surgeon, Phoenix, AZ

"I have never used a tip that cuts with such laser-like precision. The cutting motion is extremely smooth and effortless. It cuts through breast tissue like a scalpel but provides simultaneous hemostasis."

Scott W. Barttelbort, MD, Plastic and Reconstructive Surgeon, San Diego, CA

"Epitome represents a notable advance in electrosurgical technology. It provides a superior surgical tool compared with earlier model electrosurgical scalpels in terms of handling and control and exhibits measurable improvements in post-operative incisional healing closely approaching characteristics of the traditional [brand name] cold scalpel blade."

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



Requirements: Quickly dissect dense tissue
Hemostasis while cutting
Precise approximation
Minimize scarring

Electrode: Epitome CBE-200

Settings: 25-50 W, Blend 1



Requirements: Quickly elevate abdominal flap
Minimize fat necrosis
Reduce smoke plume and odor

Electrode: Epitome CBE-100 or CBE-150

Settings: 50-70 W, Blend 2, Blend 3, or Coag



Requirements: Minimize flap damage
Minimize scarring
Hemostasis while cutting

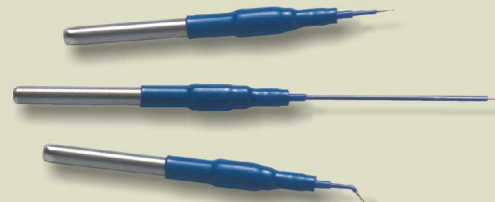
Electrode: Epitome CBE-200

Settings: 25-40 W, Blend 1

Requirements: Minimize thermal effect
Pinpoint control for bilateral symmetry
Minimize scarring
Hemostasis while cutting

Electrode: OptiMicro DN-0245

Settings: 4-8 W: Blend 1 for dissection, Coag for tissue shrinkage



Requirements: Minimize thermal effect
Low power settings to avoid nerve twitch
Minimize scarring
Hemostasis while cutting

Electrode: OptiMicro DN-0200, DN-0245, or DN-0400 for extended reach

Settings: 4-8 W, Blend 1

Power settings may vary from those shown depending on system used and individual preference and technique

Reduction Mammoplasty

Abdominoplasty

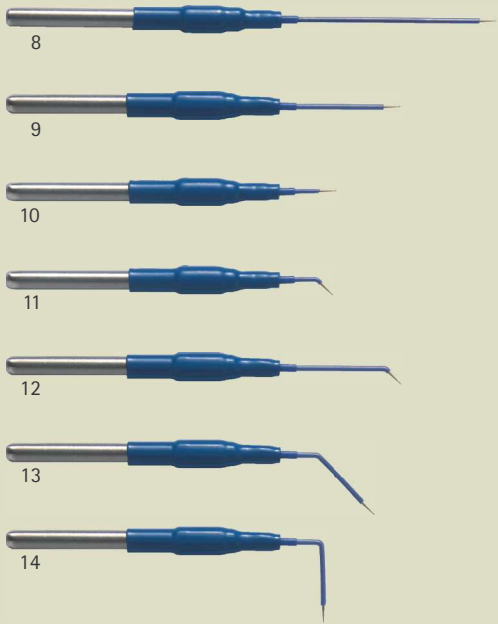
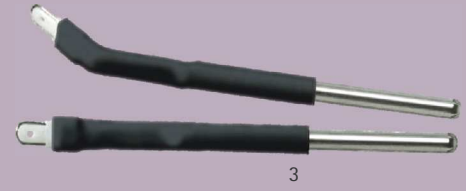
Reconstruction Mammoplasty

Blepharoplasty

Rhytidectomy

Epitome® Scalpel

Order No	Description	Package
1	CBE-250 Epitome .2, extended 4" shaft	25 / box
2	CBE-150 Epitome .4, extended 4" shaft	25 / box
3	CBE-210 Bendable Epitome .2, bendable 2" shaft	25 / box
4	CBE-100 Epitome .4, standard 2" shaft	25 / box
5	CBE-200 Epitome .2, standard 2" shaft	25 / box
6	CBE-220 Bendable Epitome .2, bendable 2" shaft with ZapGuard™	10 / box
7	CBE-270 Bendable Epitome .2, bendable 6" shaft with ZapGuard™	10 / box



OptiMicro™ Needle

Order No	Description	Package
8	DN-0400 OptiMicro Needle, 4cm long straight tip	10 / box
9	DN-0300 OptiMicro Needle, 3cm long straight tip	10 / box
10	DN-0200 OptiMicro Needle, 2cm long straight tip	10 / box
11	DN-0245 OptiMicro Needle, 2cm long with 3mm long 45° tip	10 / box
12	DN-0345 OptiMicro Needle, 3cm long with 3mm long 45° tip	10 / box
13	DN-0445 OptiMicro Needle, 3cm long with 10mm long 45° tip	10 / box
14	DN-0390 OptiMicro Needle, 3cm long with 10mm long 90° tip	10 / box



United States
 Utah Medical Products, Inc.
 7043 South 300 West
 Midvale, Utah 84047
 800.533.4984
 801.566.1200

Europe
 Utah Medical Products, Ltd.
 Garrycastle Industrial Estate
 Athlone, County Westmeath
 Republic of Ireland
 353.902.73932

US Patents: 5,860,976, 6,126,656

pn 58157 rev 071403

www.utahmed.com