Precision Dissection Electrodes

Epitome® Scalpel

The 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[1] 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 mammaplasty 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 flaps

OptiMicro™ Needle

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.

1 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

- "Epitome represents a notable advance in electrosurgical technology. It provides a superior surgical tool compared with earlier model electroscalpels 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."[1]

CBE-200
Epitome .2 Scalpel

UTAH MEDICAL PRODUCTS INC.

United States
Utah Medical Products, Inc.
7043 South 300 West
Midvale, Utah 84047
800.533.4984 • 801.566.1200
fax 801.566.2062

Ireland
Utah Medical Products Ltd.
Athlone Business & Technology Park
Athlone, County Westmeath N37 XK74
(090) 647.3932 • fax (090) 647.5608

United Kingdom
Femcare Ltd.
32 Premier Way
Romsey, Hampshire SO51 9DQ
(01794) 525.100 • fax (01794) 525.101

www.utahmed.com

Order Information

Epitome and OptiMicro are excellent choices that offer the healing characteristics of a cold scalpel combined with the hemostasis of the electrosurgical modality. Improve surgical results in the following specialties and procedures:

Plastic and Cosmetic Surgery:

- Abdominoplasty
- Blepharoplasty
- Body Contouring
- Breast Augmentation
- Breast Reconstruction
- Breast Reduction
- Capsulectomy
- Face Lift

ENT/Head and Neck Surgery:

- Head and Neck Dissection
- Parotidectomy
- Thyroidectomy
- Tonsillectomy
- Turbinates
- UPPP

Epitome Scalpel

	Order No	Description	Package
1	CBE-210	Bendable Epitome .2, standard 2" shaft	25 / box
2	CBE-220	Bendable Epitome .2, standard 2" shaft with ZapGuard™	10 / box
3	CBE-100	Epitome .4, standard 2" shaft	25 / box
4	CBE-200	Epitome .2, standard 2" shaft	25 / box
5	CBE-150	Epitome .4, extended 4" shaft	25 / box
6	CBE-250	Epitome .2, extended 4" shaft	25 / box
7	CBE-260	Bendable Epitome .2, extended 4" shaft with ZapGuard™	10 / box
8	CBE-270	Bendable Epitome .2, extended 6" shaft with ZapGuard™	10 / box

OptiMicro Needle

	Order No	Description	Package
9	DN-0810	OptiMicro Needle, 8cm long with 10mm exposed tip	10 / box
10	DN-0800	OptiMicro Needle, 8cm long straight tip	10 / box
11	DN-0400	OptiMicro Needle, 4cm long straight tip	10 / box
12	DN-0300	OptiMicro Needle, 3cm long straight tip	10 / box
13	DN-0200	OptiMicro Needle, 2cm long straight tip	10 / box
14	DN-0245	OptiMicro Needle, 2cm long with 3mm long 45° tip	10 / box
15	DN-0345	OptiMicro Needle, 3cm long with 3mm long 45° tip	10 / box
16	DN-0445	OptiMicro Needle, 3cm long with 10mm long 45° tip	10 / box

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