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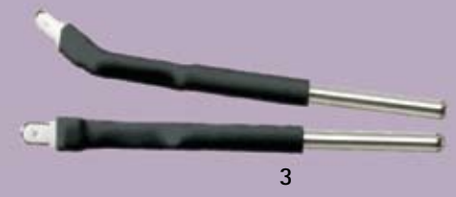
Epitome® Scalpel

	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, standard 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, standard 2" shaft with ZapGuard™	10 / box
7	CBE-270	Bendable Epitome .2, extended 6" shaft with ZapGuard™	10 / box



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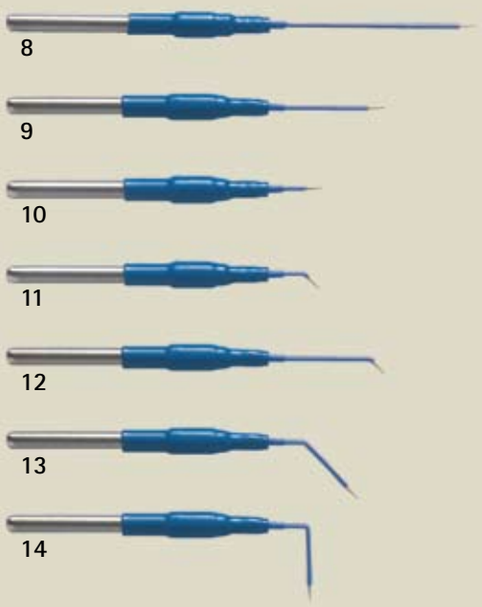

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OptiMicro™ Needle

	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

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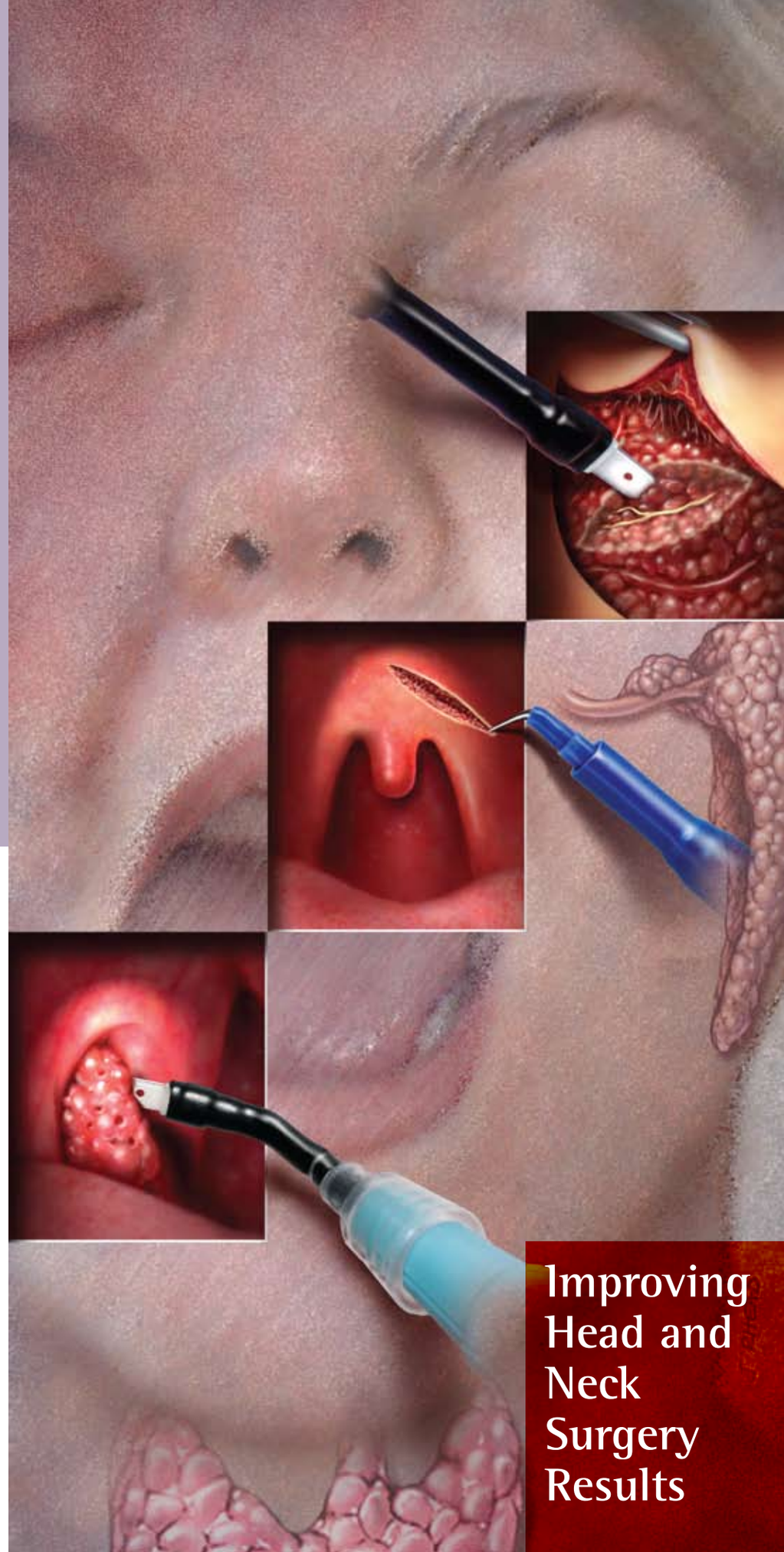
US Patents 5,860,976, 6,126,656

pn 58158 rev 061508



Improving Head and Neck Surgery Results

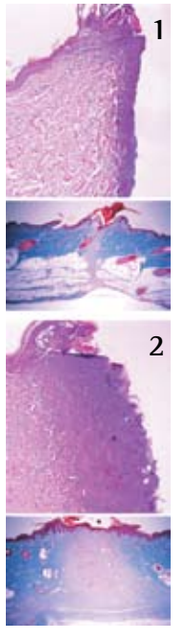
Precise results with electrosurgical tools are achieved by confining the electrical current to a specific and focused geometry. With this in mind, Utah Medical Products designed specialty precision electrosurgical electrodes that improve system performance and achieve excellent results for a range of otolaryngological and facial plastic 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, healing results comparable to a cold scalpel, and hemostasis of the electrosurgical modality, only Epitome can potentially provide:

- Reduction of thermal injury, which may reduce post-surgical pain and return-to-normal times for tonsillectomy and UPPP patients
- Short tip to promote precise tonsil excision with minimized risk of peripheral tissue burns
- Ability to use lower power settings compared to standard blade tips, to potentially reduce the hazards of electrosurgery and nerve and muscle twitch.



Surgeon Praise for Epitome

"Parents have been reporting less post-surgical painwith their children's tonsillectomies compared to prior expieriences"
Steven Gray MD, Otolaryngological Surgeon
Salt Lake City, UT

"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

"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."
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

OptiMicro Precision Electrodissection

Microdissection with Unparalleled Results

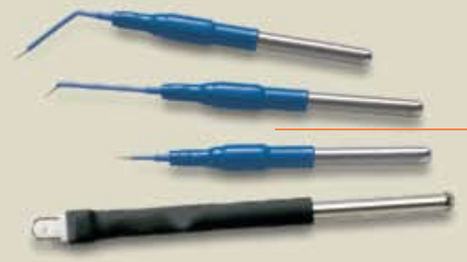
The OptiMicro™ Needle ultra-fine tip electrosurgical electrodes are designed to provide precise dissection without adverse thermal effects to yield excellent cosmetic results for small-scale procedures. These micro-needles have the finest geometry available. Because of their extremely small surface area, 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.

Head and Neck Dissection

Requirements: Minimize thermal effect
Avoid facial nerve and muscle stimulation
Minimize scarring
Hemostasis while cutting
Electrode: Various OptiMicro Needles, Epitome CBE-210
Settings: OptiMicro: 5-10 W, Blended Cut
Epitome: 15-50 W, Pure or Blended Cut



Parotidectomy

Requirements: Avoid nerve damage and stimulation
Minimize specimen damage
Short active blade/needle tip
Electrode: Epitome CBE-210, Various OptiMicro Needles
Settings: Epitome: 15-40 W, Pure or Blended Cut
OptiMicro, 5-10 W, Blended Cut

UPPP

Requirements: Minimize post-surgical pain
Fast return-to-normal
Short active blade/needle tip
Electrode: Epitome CBE-220, CBE-270, OptiMicro DN-0345 or DN-0445
Settings: Epitome: 10-25 W, Pure Cut
OptiMicro: 4-8 W, Pure Cut

Tonsillectomy

Requirements: Short active blade tip, with angle
Protection from peripheral injury
Minimize post-surgical pain
Hemostasis while cutting
Fast return-to-normal
Electrode: Epitome CBE-220, CBE-270
Settings: 10-30 W, Blended Cut

Tumor Excision

Requirements: Minimize specimen damage
Minimize scarring
Short active blade tip
Electrode: Epitome CBE-210
Settings: 15-40 W, Pure or Blended Cut

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