<table>
<thead>
<tr>
<th>Section</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>BEYOND THE LASER</td>
<td>4-5</td>
</tr>
<tr>
<td>RADIOSURGICAL DEVICES</td>
<td>6-9</td>
</tr>
<tr>
<td>RF ELECTRODES &amp; ACCESSORIES</td>
<td>10-18</td>
</tr>
<tr>
<td>RF CABLES</td>
<td>19</td>
</tr>
<tr>
<td>BIPOLAR PRODUCTS</td>
<td>20</td>
</tr>
<tr>
<td>RF HANDPIECES</td>
<td>21-22</td>
</tr>
<tr>
<td>INTRAORAL INSTRUMENTS</td>
<td>23</td>
</tr>
<tr>
<td>RADIOSURGICAL DEVICE ACCESSORIES</td>
<td>24-25</td>
</tr>
<tr>
<td>SMOKE EVACUATION PRODUCTS</td>
<td>26-27</td>
</tr>
<tr>
<td>ADDITIONAL ACCESSORIES</td>
<td>28-29</td>
</tr>
<tr>
<td>DENTAL PRODUCTS</td>
<td>30-32</td>
</tr>
<tr>
<td>REPAIR &amp; PROSTHETICS</td>
<td>33</td>
</tr>
<tr>
<td>SOFT TISSUE SURGERY</td>
<td>34</td>
</tr>
</tbody>
</table>
RADIOWAVE SURGERY Can Benefit Your Practice

HOW DOES RADIOWAVE SURGERY WORK?
A radiofrequency electrode tip becomes energized by the radiowaves but does not become hot. The ultra high frequency radiowaves provide specific and delicate tissue interaction. This results in a focused cutting and coagulating effect, which disintegrates and volatilizes single cells minimizing the amount of tissue destruction. Healing is rapid and painless with the formation of a supple tissue identical to surrounding normal tissue.

WHY IS RADIOWAVE SURGERY SAFE?
Skin contact is not required between the neutral plate and the patient, eliminating the possibility of burns and shocks.
Radiowave surgery provides a tactile, but pressureless incision which allows the doctor to sense what he is cutting.
Radiowave energy is low temperature, minimizing the occurrence of tissue necrosis and burning.

Affordable
Decreased Post-Operative Pain
Radiowave surgery seals nerve endings as it cuts
Decreased Post-Surgical Edema
Low temperature = less tissue destruction
Less Blood Loss
The radiowaves close off blood vessels as they cut
Reduced Risk of Infection
Radiowaves vaporize bacteria, preventing infectious agents from being seeded along the length of the incision
Quicker Recovery
With less tissue destruction, healing is hastened and your patients will recover quickly
Safer Than Laser & Electrocautery
There are minimal safety precautions involved with radiowave technology
No Burning or Charring of the Tissue
Radiowave surgery does not burn the tissue, like laser or high temperature electrocautery

Distinct Benefits FOR Your Practice

Beyond the Laser

VETERINARY CATALOG
Redeine YOUR SURGICAL RESULTS
with the Surgitron® Dual RF Device

The patented Surgitron® 4.0 Dual Frequency RF/120 IEC represents advanced radiowave technology that provides unparalleled surgical control, precision, versatility and safety. Clinical benefits include reduced post-operative discomfort, minimal scar tissue formation, maximum readability of histologic specimen, enhanced healing and excellent cosmetic results.

High Frequency - Low Temperature
4.0 MHZ RADIOFREQUENCY

5 Distinct Waveforms for Optimum Results

FULLY FILTERED
Micro-smooth cutting • Negligible lateral heat • Minimal cellular destruction Ideal for skin incision and biopsy • Best cosmetic results • Fastest healing

FULLY RECTIFIED
Cutting with hemostasis • Ideal for subcutaneous tissue dissection and planing Especially useful in vascular areas while producing minimal amounts of lateral heat and tissue damage

PARTIALLY RECTIFIED
Coagulation/Shrinkage • Ideal for hemostasis with controlled penetration For cutting with maximum hemostatic control

FULGURATION
Maximum penetration and hemostasis • Ideal for intentional tissue destruction

BIPOLAR
Pinpoint, micro-coagulation • No tissue adhesion to forceps • No charring or tissue necrosis • Ideal for coagulation in and around critical anatomy

SURGITRON® DUAL FREQUENCY RF/120 SHIPS COMPLETE WITH:

- IEC-PC110 or 220 • IEC Power Cord
- DF-FSC • Dual Footswitch & Cable
- IEC-AM1 • Instruction Manual
- IEC-HF1 • IEC Foot-Controlled Handpiece
- IEC-3HPB • IEC 3-Button Tegumentary Handpiece
- H79 • Handpiece Clip
- H66 • Electrode Protector Stand
- VCD/PC1E3 • Instruction CD Rom
- IEC-JF/B • IEC Bipolar Cable
- IEC-NPC • IEC Neutral Plate
- S11B • Standard Electrode Set
- J1 • Bipolar Forceps

Redefine YOUR SURGICAL RESULTS with the Surgitron® Dual RF Device

...
Surgitron® EMC-Vet Surg
Patented 3.8MHz Radiofrequency Technology

The ellman Surgitron® FFPF EMC features a continuously linear power setting for precise, predictable control. This promotes faster healing with minimal scarring and serves to eliminate unfavorable post-operative conditions such as trauma, pain, swelling and infection.

Your ellman Surgitron® EMC high frequency Radiosurgical device is equipped with an audio tone that indicates when the device is activated. This tone will be heard immediately upon activation of the Surgitron® device, either by Footpedal or by Fingerswitch.

SURGITRON® FFPF EMC DEVICES COMPLETE WITH:

- HP1 • Autoclavable Handpiece and Cord
- S10B • Standard Electrode Set
- H44 • Antenna Plate
- EMCLZ • Operation Manual
- Foot Pedal (not sold separately)
- PC110 • EMC Power Cord
- H66 • Electrode Protector Stand
- H79 • Side Clip
- DVD/VT14 • Clinical Video
- DVD/EMC1 • Instructional Video

ADVANTAGES

- Reduced surgical time
- Improved visibility of operative field
- One device from incision to closure
- Maximized hemorrhage control
- Pinpoint coagulation in a wet field
- General Surgery and Dental applications
- Maximum patient safety
- Minimal tissue alteration
- Minimal burning or charring of the tissue
- Bacteria-free Incisions

The Surgitron® EMC-Vet Surg has revolutionized veterinary surgery at an affordable price, making it possible for all veterinary hospitals to take advantage of this technology.
ABOUT ELLMAN ELECTRODES

Our RF electrodes are alloy-matched to our patented Radiosurgery® devices for minimal tissue alteration. The insulated shaft of each electrode can be bent or contoured for all surgical procedures.

RECOMMENDED VETERINARY ELECTRODE SET

INFORMATION FOR ORDERING ELECTRODES

CODE TO ELECTRODE PREFIXES/SUFFIXES

B - Bendable
T - 2-Pack
X - Value 5-Pack

Most electrodes are available in 1/16" or 3/32" shaft sizes. Use "Q" as a prefix when ordering 3/32" shaft size. Longer electrode shaft sizes are available. Contact our technical sales representatives for more details at (800) 835-5335 or (516) 594-3333.

Specified Tip Selection

**Needle** Electrodes (A Series)
- Primarily used for incisions and excisions in precise surgical procedures
- Choice of fine/regular wire is dependent on degree of coagulation desired

**Broad Needle** Electrodes
- Primarily used for Fulguration and Desiccation procedures

**Round Loop** Electrodes (B Series)
- Primarily used for shaving lesions and contouring tissue
- Excellent biopsy specimens obtained
- Suture-free technique

**Diamond Loop** Electrodes (C Series)
- Provides one stroke elliptical incision

**Triangle Loop** Electrodes (C Series)
- Primarily used for shaving lesions and contouring tissue

**Ball** Electrodes (D Series)
- Primarily used for coagulation
- Heat seals blood vessels rather than burns
- Minimal adjacent tissue destruction
- Reduces post-operative discomfort

**Oval Loop** Electrodes (P Series)
- Primarily used for shaving lesions and contouring tissue

**Vari-Tip® Microdissection** Needle
- Vari-Tip™ wire can be simply adjusted for deeper or more shallow incisions by pushing against your thumb nail.
- Vari-Tip™ wire may be extended and cut for continued use. When the wire has been completely trimmed down, simply insert the extra wire provided.

**Standard Veterinary Electrode Set**

S10B
**ACe-Tip™ Electrodes**

**Conductivity** - The advanced composition RF electrode has a high conductivity which is a departure from the traditional alloy electrode.

**Lower Temperature** - The advanced composition electrodes make it possible to cut tissue at 38°C. Separation of tissue is due to the intracellular resonance which causes the explosion of the cells at body temperature instead of burning and charing the cells.

**Adherence Free** - Non-sticking of tissue and blood to the RF advanced composition electrode.

**Reduced Post-Op Pain** - Reduced swelling and bruising.

---

**Introducing ACe-Tip™**

The ellman ACe-Tip™ electrodes are designed to reduce resistance/impedance which in turn will reduce thermal damage. The interface between these electrodes and the tissue is biologically stable.

"The ACe-Tip™ electrodes offer superior hemostasis to traditional excision with scalpel/scissors while producing less thermal damage, which is critical to obtaining accurate histopathology."

— JOHN G. ROSE, M.D. 
Oculoplastic, Orbital and Facial Cosmetic Surgery, Dean Health Systems, Madison, Wisconsin

"The incision produced minimal tissue damage. My pathologist did not complain as far as tissue alteration in the line of incision. Furthermore, the absence of channeling effect is a very important advantage when doing Orbital surgery, since the optic nerve is part of the brain."

— REYNALDO JAVATE, MD
Chairman of Oculoplastic Department, University of Santo Tomas Hospital, Manila, Philippines

---
Select Your

**RF Electrode**

(Electrodes are available in 2-Packs & Value 5-Packs)

Electrodes are displayed in actual size
Assorted electrodes in Sets of 5

**Sets of RF ELECTRODES**

- **Assorted Needle Electrode Set**
  - XA, fine wire
  - XRB, regular wire, (5 pcs)

- **Assorted Round Loop Electrode Set**
  - XB, fine wire
  - XRB, regular wire, (5 pcs)

- **Assorted Diamond Loop Electrode Set**
  - XC, fine wire
  - XCRB, regular wire, (5 pcs)

- **Assorted Ball Electrode Set**
  - XD, (5 pcs)

- **Assorted Oval Loop Electrode Set**
  - XPB, fine wire
  - XPRB, regular wire, (5 pcs)

- **Assorted Needle Electrode Set**
  -XA, (5 pcs)

- **Assorted Round Loop Electrode Set**
  - XB, (5 pcs)

- **Assorted Diamond Loop Electrode Set**
  - XC, (5 pcs)

- **Assorted Ball Electrode Set**
  - XD, (5 pcs)

- **Assorted Oval Loop Electrode Set**
  - XPB, (5 pcs)

- **Assorted Needle Electrode Set**
  - XA, (5 pcs)

- **Assorted Round Loop Electrode Set**
  - XB, (5 pcs)

- **Assorted Diamond Loop Electrode Set**
  - XC, (5 pcs)

- **Assorted Ball Electrode Set**
  - XD, (5 pcs)

- **Assorted Oval Loop Electrode Set**
  - XPB, (5 pcs)

**Electrode Protector Stand™**

- H1 holds 18, 1/16” Electrodes
- H1A holds 18, (9) 1/16” Electrodes & (9) 3/32” Electrodes
- Q1A holds 18, 3/32” Electrodes

**Electrode Block**

- TEE301
  - 7cm needle, 2” curved sleeve
- TEE302
  - 7cm length, straight
- TEE303
  - 3cm length, 3mm 45°
- TEE304
  - 1cm needle, 3mm 45°
- TEE305
  - 1cm needle, 90° angle
- TEE306
  - 1cm needle, 1” curved sleeve
- TEE307
  - 1cm needle, 2” curved sleeve
- TEE308
  - 1cm needle, 2” curved sleeve
- TEE309
  - 45° angle
- TEE310
  - 90° angle
- TEE311
  - 90° angle
- TEE312
  - 90° angle

**microIncision™ Electrodes**

The microIncision™ Electrodes are designed with an ultra-fine polished, tapered tip, ensuring maximum precision and sharpness with minimal tissue adherence. The single-use electrode produces a high concentration of energy with the least amount of thermal damage to adjacent tissue, (tip for cut, side for coag). The microIncision™ Electrodes are available in an assortment of various shapes and lengths, with a shaft diameter of 1/16” or 3/32.”

**The Electrode Block provides organization and easy access to electrode tips.**

**Electrode Protector Stand™** is convenient and will protect your electrodes from damage and breakage during the sterilization process. It will stand on any flat surface for easy identification and access to each electrode. The stand holds 6 (1/16”) electrodes and 6 (3/32”) electrodes.

**The Electrode Protector Stand™** is convenient and will protect your electrodes from damage and breakage during the sterilization process. It will stand on any flat surface for easy identification and access to each electrode. The stand holds 6 (1/16”) electrodes and 6 (3/32”) electrodes.

**microIncision™ RF ELECTRODES & ACCESSORIES**

- The Electrode Block provides organization and easy access to electrode tips.
- This durable, clear, lucite block holds 18 electrodes in an upright position. Identification and selection of electrodes is now simple.

**H1** holds 18, 1/16” Electrodes

**H1A** holds 18, (9) 1/16” Electrodes & (9) 3/32” Electrodes

**Q1A** holds 18, 3/32” Electrodes

**H6** Electrode Protector Stand™ for Standard Electrodes
**Scalpel Electrodes**

Scalpel Electrodes are used primarily for incisions and excision of tissue in vascular areas. Scalpel shape provides broader coagulation than a needle electrode.

- **TE18** 3/16" Scalpel, 45° Angle
- **TE28** 3/8" Scalpel
- **TE38** 1" Scalpel, Wide steel

**Empire MicroTip Needles™** have a pinpoint design that produces micro-smooth cutting and coagulation while creating the least amount of tissue alteration with your Radiosurgery® device. They are excellent for all initial skin incisions and tissue excisions. The ellman Empire® MicroTip Needle™ is designed with a surgical tungsten wire which is tapered to a fine point and teflon coated for safety.

- **D6A** Fine Insulated Coated Needle, .004 Super Fine, White (1pc)
- **D6B** Fine Insulated Coated Needle, .007, Fine, Purple (1pc)
- **D6C** Fine Insulated Coated Needle, .009 Regular, Orange (1pc)

**Reusable RF Cables**

- **SP020 (EMC)**
- **IEC-SP020 (Dual)**

**Quick-Connect™ Cable**

**IEC Lap-Endo Monopolar Cable**

**Snare Cord**

**Universal Bipolar Cable**

**Universal Bipolar Cable**

**Accessory Adaptors**

Separate plugs are used in accordance with the corresponding device (the Surgitron® Dual RF and the Surgitron® EMC).

ellman International, Inc. For more information call: (800) 835-5355 • (516) 594-3333 • Fax: (516) 549-0654
BIPOLAR MODALITY

The bipolar mode of coagulation provides an efficient means of maintaining hemostasis. This is especially important in small species such as birds and pocket pets. In all animals, the bipolar coagulation techniques will allow higher efficiency. This results in shorter surgeries with less anesthesia risk and cost. Rather than spending time waiting for pressure techniques to provide hemostasis or finding and clamping small vessels, the surgeon can coagulate the vessels or open capillary beds (vessels up to 2mm). The increase in overall safety and productivity can be significant.

ADVANTAGES

• Allows you to use the sterile disposable blade of your choice
• Autoclavable to 250°F
• Prevents cross-contamination

INDICATIONS

• Tail Docking
• Ear Cropping
• Mastectomies
• Large Tumor Dissection
• Abdominal Surgery

THE ELLMAN HANDPIECE

The ellman handpiece is designed to fit comfortably in your hand therefore maximizing productivity by reducing operator fatigue and discomfort.

Foot Activated Blade Handpiece

H15 accepts #10, #11, #15 blades and 1/16" electrode, Reusable (1 pc)
QH15 accepts #10, #11, #15 blades and 3/32" electrodes Reusable (1 pc)

The Radiosurgical Blade Handpiece™ is a reasonably priced, innovative device allowing you to use a micro-sharp sterile blade, needle adaptor or autoclavable electrodes (specify 1/16" or 1/32") with your Vet Surg device. The large surface area of the blade provides rapid hemostasis during surgical procedures with the feel of a traditional scalpel blade.

ADVANTAGES

• Allows you to use the sterile disposable blade of your choice
• Autoclavable to 250°F
• Prevents cross-contamination

INDICATIONS

• Tail Docking
• Ear Cropping
• Mastectomies
• Large Tumor Dissection
• Abdominal Surgery

With the Silicone Bipolar Cable™, your Surgitron® EMC-Vet Surg becomes a Bipolar Coagulator, providing precise, pin-point coagulation that is essential in microsurgery and avian surgery. With the Bipolar Forceps (see above), the Bipolar Cable allows you to coagulate in a wet field and in open capillary beds.
The Standard Foot Controlled Handpiece™ is ergonomically tapered for better control and excellent tactility.

**ADVANTAGES**
- Unique fountain pen design
- Cord and handpiece are autoclavable (Steam or Gas)
- Handpiece will accept both 1/16" and 3/32" shaft size electrode

The Suction Coagulator Kit™ contains:
- Handpiece and Cable
- Stylus
- (3) 3" tubes
- (3) O rings
- (3) Adaptors

**ADVANTAGES**
- Coagulation with simultaneous suction
- Selectivity of orifice diameters for coagulation probes
- Can be used as a handpiece
- Autoclavable

**INDICATIONS**
- Coagulate bleeding vessels within a surgical field
- Draw out blood and other liquids from a surgical field
- Laryngeal procedures

**INDICATIONS**
- Tonsillectomy
- Polypectomy
Radiosurgical Device

ACCESSORIES

Steri-Caps™
EMCH35

Wall Bracket™
HH

Surgitron®
Neutral Plate™
H4 (EMC)
IEC - NPC (Dual)

Patented Bipolar Converter Box
EMCH95A

Patented Fingerswitch Adaptor™
EMC-KA

With Steri-Caps™ you can take control in total sterility with autoclavable protective dial covers. (3 for large dial and 3 for small dial):

- Space saver
- Swivel arm (12") and swivel plate
- Attaches easily to any vertical surface
- Will support up to 40 lbs.
- Ideal for many instruments

- Does not require skin contact
  (eliminates contact jelly and adhesives and saves time)
- Promotes safety
  (eliminates possibility of burns or shocks)
- Inexpensive
- Permits minimum power output
- Consistent performance from patient to patient

The Bipolar Converter™ provides the veterinary surgeon the convenience of switching the ellman Surgitron® EMC-Vet Surg from the monopolar Handpiece/ Antenna mode to the Bipolar Forceps mode with the simple flick of a switch. This eliminates the need of plugging and unplugging the cords during surgery.

ADVANTAGES
- Convenience
- Eliminates switching cords during surgery
- Autoclavable switch-cover

The Dual Footswitch eliminates the need to touch the front panel to switch from CUT mode to COAG mode.

(For Surgitron® 4.0 RF/120 IEC only)

Dual Frequency Footswitch and Cable
DF-FSC

Patented RF Micro Fibre® Flexible Electrode
XMF-A

Oto-Probe
Endoscopic Probe
EE-644

Patented Mono Stan RF Forceps™
IEC-MJ11 (Dual)
MJ11 (EMC)

Patented Mini Mono Stan Monopolar Forceps™
IEC-MJ11/M (Dual)
MJ11/M (EMC)

Patented Micro Stan Monopolar Forceps™
IEC-MJ21 (Dual)
MJ21 (EMC)

With Steri-Caps™ you can take control in total sterility with autoclavable protective dial covers, (3 for large dial and 3 for small dial):

- Space saver
- Swivel arm (12") and swivel plate
- Attaches easily to any vertical surface
- Will support up to 40 lbs.
- Ideal for many instruments

- Does not require skin contact
  (eliminates contact jelly and adhesives and saves time)
- Promotes safety
  (eliminates possibility of burns or shocks)
- Inexpensive
- Permits minimum power output
- Consistent performance from patient to patient

The Bipolar Converter™ provides the veterinary surgeon the convenience of switching the ellman Surgitron® EMC-Vet Surg from the monopolar Handpiece/ Antenna mode to the Bipolar Forceps mode with the simple flick of a switch. This eliminates the need of plugging and unplugging the cords during surgery.

ADVANTAGES
- Convenience
- Eliminates switching cords during surgery
- Autoclavable switch-cover

The Dual Footswitch eliminates the need to touch the front panel to switch from CUT mode to COAG mode.

(For Surgitron® 4.0 RF/120 IEC only)
Smoke Evacuation

PRODUCTS

ADVANTAGES
• Quiet (Functions between 52 and 65dBA)
• Solid State variable suction speed control with 9 settings
• Filters micro-organisms bigger than .01 microns
• Foot pedal and finger control activation
• Fits vertically or horizontally in your office space
• Pneumatic footswitch
• Detachable, hospital-grade power supply cord

FEATURES
• Removes smoke plume from operatory area for better visibility
• Eliminates unpleasant smoke plume odors
• Draws cool air over surgical site

SURG-E-EFFICIENT
Ellman International has developed this device to provide the strongest smoke evacuation system, with an inlet velocity of 150 feet per minute at the wand tip. The unique compact multi-filtration technology has been designed to trap macro and micro airborne particles and offer a “breathe-free” environment for you, your staff and your patients.

“The use of the ellman Vapor Vac effectively reduces occupational exposure of operating room personnel to high concentrations of halothane during avian surgery.”
— Robert B. Adams, DVM

SURG-E-TRACK
A built-in electronic chip monitors the filter’s life information, ensuring maximum safety.

QUADRATION TECHNOLOGY
Thanks to the four filters in one casing (pre-filter, ULPA, Carbon, post-filter) the Surg-e-Vac™ provides the best results of all smoke evacuation systems.

AS SIMPLE AS “PULL & CHANGE”
Filter replacement does not require tools or instructions. Due to the efficient “Pull & Change” system, filter replacement is a matter of seconds!
Medi-Frig™

**H11B**

**Corneal Shields**

**H781**

- 4 Shields and one Suction Handle

**H76A** Medium - 4 Shields and one Suction Handle

**H77A** Large - 4 Shields and one Suction Handle

**H791** Introductory package - one pair each: Small, Medium, Large and one Suction Handle

---

**ADVANTAGES**

- Indefinite shelf life
- Temperature (-54°C)
- Environmentally safe
- Direct pinpoint applicator

**INDICATIONS**

- Topical anesthetic to remove small skin lesions
- Cryotherapy in selected cases of cloaca papillomas, chronic mouth lesions and other granulomas

---

**Corneal Shields** tauten the skin to allow for more precise incisions. They are an excellent aid when performing periocular surgery and aid in the protection of the eye from cautery, desiccation, irritation, trauma, during and after surgery of eyelids, and orbital regions.

**ADVANTAGES**

- Prevents damage to the eye
- Colored shields prevent light from entering the eye
- The Corneal Shields™ tauten the skin to allow for more precise incisions

---

**Tissu-Glu™**

A TISSUE ADHESIVE

**Tissu-Glu™** is a medical grade purified isobutyl cyanoacrylate formulated to provide major advantages in the treatment of superficial wounds. Upon contact with blood and body fluids, this liquid monomer rapidly polymerizes to form a strong, thin, flexible tissue bridge and protective barrier to foreign matter. The material is sketched by the body during the natural healing process. In over 30 years of animal and human use, no side effect attributable to Tissu-Glu™ has been observed. Tissu-Glu™ is available in two forms, Tissu-Glu™ Soft is predominantly used to close skin incision and lacerations in wet tissue areas, especially intra orally. Tissu-Glu™ Hard is commonly associated with the binding of wounds in dry areas, providing a strong barrier to dirt, hair and bacteria.

Tissu-Glu™ (4-2cc vials) is packaged with 1 Super Dish and 100 Squeez-ette™ which function like an eyedropper. Squeez-ette™ provide safe, controlled pinpoint applications for Tissu-Glu™ as well as for other liquids. Super Squeez-ette™ function like Squeez-ette™ but are larger and hold a greater volume of liquid (50 pcs.)

**INDICATIONS**

- Cat Declawing
- Ear Cropping
- Tail Docking
- Surgical Incisions
- Lick Granuloma
- Tooth Extraction
- Abrasions
- Paw Pad Wounds
- Dehorning
- Eye Punctures
- Proud Flesh Resection
- Avian Surgery
- Sealing over bleeding beaks and nails
- Laceration

**ADVANTAGES**

- Stops bleeding and oozing
- Protects denuded areas
- May reduce autoclimation
- Provides a barrier to dirt, hair and bacteria
- Binds wound edges together
- Permits treatment of difficult areas
- Eliminates traditional bandages
- Simplifies post-op care
- Reduces repeat visits
- Improves care
- Saves time
- Reduces desiccation of wounds
- Holds tissue which is friable

---

**Super Dish**

Medicament Tray/Squeez-ette™ Stand

ESD230 (3 pcs.)

**Squeez-ette™**

ESQ127 (100 pcs.)

**Super Squeez-ette™**

HS4 (50 pcs.)

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The Veterinary Radiowave Surgery Brochure offers your client the necessary information regarding radiowave surgery. Clients will readily learn the numerous applications and benefits of radiowave frequency, ensuring the comfort and welfare of their pet.
Dental

**PRODUCTS**

Roto-Pro™ Rotosonic Scalers are manufactured in four shapes, all having six sides and non-cutting edges. They will not injure soft or hard tissue. When used in a high speed air driven handpiece, they will produce rotary ultrasonics of about 20,000 vibrations per second.

**INDICATIONS**
- Subgingival and supragingival calculus removal
- Remove “flash” from composite and glass ionomer restorations
- Contour bone around gingivectomy and gingival flap sites
- Remove overhanging amalgams
- Remove excess cements
- Remove direct bonded plastic brackets
- Polish composites

**ADVANTAGES**
- Sterilizable
- Performs rapid scaling
- Good visibility due to air jet lifting tissues
- Smooths root surfaces for gingival reattachment
- Produces smoother tooth surface than traditional ultrasonic instruments

ERP101 Roto-Pro™ Regular Tip (6)
ERP102 Roto-Pro™ Perio Tip (6)
ERP103 Roto-Pro™ Flame Tip (6)
ERP104 Roto-Pro™ Round Tip (6)
ERP105 Roto-Pro™ Complete set (one of each shape)

The Micro-Etch™ Syringe has a micro screw-fed dispensing system which allows precise placement of 40% phosphoric acid gel upon the tooth enamel. It is used for etching enamel for bonding procedures.

**ADVANTAGES**
- Gel prevents acid flow into soft tissue or adjacent teeth
- Orange colored for easy identification
- Will not cause damage to the pulp
- Increases bonding success
- Allows for precise placement of citric acid
- Metal tips can be autoclaved

**INDICATIONS**
- Etching for dentin and cementum
- Demineralization of root surfaces to enhance gingival reattachment after flap surgery
- Detoxifying and cleaning implants during re-entry of tissue to repair defect
- Removing ZOE before placing composite
- Cavity cleanser to produce sharp, well defined surface

EME134C Micro-Etch™ 2 ml available in Screw-Fed syringe (pink)
EME134F Micro-Etch™ 2 ml available in Screw-Fed syringe (clear)
EME134A Plastic Tips (pkg. of 4)
EME134B Metal Tips (pkg. of 4)

2.5ml Screw-Fed Syringe, 98% Calcium Hydroxide with a pH of 12

**ADVANTAGES**
- Pre-mixed for no mess, no clean-up, no waste
- Radiopaque
- Bacteriostatic and bacteriocidal
- Pinpoint application with needle tip
- Needle tip applicator can be bent for easy access
- Offers chemical protection of pulp against acids
- Offers physical protection by sealing dentinal tubes against invading organisms and thermal stimulants
- Offers biological protection by stimulating the formation of secondary dentin
- Compatible with bonding materials
- Thin film that will not interfere with the seating of crowns
- Metal tip can be autoclaved

**INDICATIONS**
- Cavity liner
- Indirect pulp capping
- Direct pulp capping
- Pulpotomy

EHC135E Hypo-Cal™ 2.5 ml Screw-Fed syringe
EHC135S Hypo-Cal™ Metal Tips (pkg. of 4)

2ml Syringe Applicator, Citric acid gel in a 30% solution with a pH of 1.

**ADVANTAGES**
- Gel prevents acid flow into soft tissue or adjacent teeth
- Orange colored for easy identification
- Will not cause damage to the pulp
- No mixing, no clean-up, no mess, no waste
- Increases bonding success
- Allows for precise placement of citric acid
- Metal tips can be autoclaved

**INDICATIONS**
- Etching for dentin and cementum
- Demineralization of root surfaces to enhance gingival reattachment after flap surgery
- Detoxifying and cleaning implants during re-entry of tissue to repair defect
- Removing ZOE before placing composite
- Cavity cleanser to produce sharp, well defined surface

ECE133 Citric-Etch™ 2 ml available in screw-fed syringe
ECE133A Plastic Tips (pkg. of 4)
ECE133B Metal Tips (pkg. of 4)
Repair & Prosthetic

**KITS**

### ADVANTAGES
- Protects your burs during sterilization
- Can be removed from its sterile bag and will stand on any flat surface for easy identification and access to each bur
- Will hold Roto-Pro™ as well as high-speed and low speed burs
- Holds 12 burs

### INDICATIONS
- To support composite or amalgam fillings on broken down teeth
- To prevent rotational torque on posts

### ADVANTAGES
- Inexpensive
- No stress on placement (minimizes fractures)
- Threaded for high retention
- Easily and quickly placed
- Easily bent before cementation

### INDICATIONS
- Supports full crowns on endodontically broken down teeth
- Supports composite resin restorations
- To support amalgam or composite cores
- Stabilizes existing cast restoration after endodontic treatment

### ADVANTAGES
- Cement in system reduces root stress
- Self-limiting reamer prevent perforations
- Tapered posts and reamers prevent root fractures
- Precision knurls for superior retention
- Longer posts can be used due to decreased diameter in apical section
- Non-cutting "safe-end" tip on reamer
- Posts can be pre-bent coronally without losing strength

### INDICATIONS
- To support composite or amalgam fillings on broken down teeth
- To prevent rotational torque on posts

### ADVANTAGES
- Can be color matched for aesthetic repair
- Non-irritating
- For repairs of all types of beaks
- Easy to use
- Time efficient

### INDICATIONS
- Beak reconstruction
- Repair of cracks, fissures, and fractures of the beak
- Filling beak defects
- Repairing cracks and avulsions in turtle shells

### ADVANTAGES
- Can be color matched for aesthetic repair
- Non-shrinkage
- No heat
- Sets hard in just five minutes
- Can be added to original repair
- No burning
Veterinary soft tissue procedures can be performed with less bleeding and less lateral necrosis than laser and electrosurgery.

**ADVANTAGES**

- Cost effective
- Better and faster healing than cold steel and laser
- Cutting/Cutting & Hemo/Bipolar available at surgical site
- Less post-operative pain
- Less swelling and edema
- Low maintenance cost
- Minimal tissue trauma
- Short learning curve
- Portability of RF device
- Safe for the surgeon, staff, and patient
- Significantly lowers the risk of hematoma and infection
- Smoothly and gently cuts and coagulates through all layers of tissue at low temperatures
- Speeds surgical procedures
- Versatility of usage
- Proven in 8 medical specialties

**PROCEDURES**

- Ablation
- Anal Fistulae
- Aural Hematoma
- Basal Cell Carcinoma
- Biopsy
- Castration
- Cervicitis
- Cyst Removal
- Declaw
- Ear Crop
- Ear Canal Polyp
- Ectropion/Entropion
- Endoscopy/Laparoscopy
- Cloacal Hyperplasia Removal
- Epilation for Distichiasis & Trichiasis
- Epulis Removal
- Eyelid Tumors
- Gingival Hyperplasia Removal
- Granulation Tissue
- Hemostasis
- Wet Field Coagulation
- Intra-Abdominal Surgery
- Lick Granulomas
- Mammary Tumors
- Mastectomy
- Nasal Fold Surgery
- Nasal Polyps
- Ophthalmic
- Papilloma
- Perineal Surgery
- Pharyngeal Abscess
- Rectal Surgery
- Sebaceous Adenoma
- Skin Incisions
- Skin Tumors and Cysts
- Soft Palate Resection
- Resection/Uvulectomy
- Removal/Non Cutaneous
- Spay/Neuter
- Tissue Sculpting
- Tonsillectomy
- Precise, Pinpoint Coagulation for Microsurgery