MEGADYNE ACE BLADE™ 700
Soft Tissue Dissector

Optimized Device Performance

The MEGADYNE ACE BLADE™ 700 Dissector with ZIP-PEN™ Smoke Evacuation Pencil utilizes patented Geometric Electron Modulation (GEM) technology and conducts radio frequency (RF) current for the cutting and coagulation of soft tissue in a broad range of surgical procedures.

Geometric Electron Modulation (GEM) Technology

Achieves a scalpel-like cutting effect by:

- Optimizing voltage for blade geometry
- Modulating power based on tissue impedance

MEGADYNE ACE BLADE™ 700 Dissector

- Dissects tissue at any stage of the procedure where little to no thermal damage is desired
- Reduces sticking and eschar buildup with a PTFE coated tip
- Can be bent up to approximately 60°

CUT Button

- Activates the ACE Mode for scalpel-like effect

COAG Button

- Activates coagulation modes

Ergonomic Grip

- Allows for flexible hand positioning
- 100% of the torque is removed
-Feels lightweight and comfortable

Clear Suction Sleeve of the ZIP-PEN™

- Encapsulates the electrode for efficient smoke capture and was designed to not inhibit surgical site visibility

1 In ACE Mode. 2 Caution: The use of instruments to modify the electrode and/or excessive bending could damage the coating or the electrode. 3 Only when in ‘trigger’ configuration.

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Optimized Usage

Before you begin

1. Check Electrode and Remove Tip Protector
   Ensure the electrode is fully inserted. Remove the tip protector from electrode and discard.

2. Attach to Generator
   Insert the pencil plug into the receptacle on the MEGADYNE™ MEGA POWER™ Electrosurgical Generator.

3. Attach Smoke Tube to Filter
   Securely connect the smoke tube into the appropriate filter attachment on the MEGADYNE™ MEGA VAC™ PLUS Smoke Evacuator*.
   *See Capital Equipment for compatibility.

Device Modes

CUT Button
For scalpel-like effect, place the MEGADYNE™ MEGA POWER™ Generator in ACE Mode. For skin incisions, prior to making tissue contact, activate the ACE Mode by pressing the yellow cut button on the pencil.

COAG Button
Activates coagulation modes.

Pressure and Techniques

Pressure
Cutting requires very little downward pressure to penetrate the skin and relatively little pressure when compared to a cold scalpel.

Technique
Incisions may be made using a single pass technique or multiple passes.

Caution: Moving slowly through the tissue does not increase the cutting ability of the device and could deliver excessive energy to surrounding tissues, causing unwanted thermal damage.

Caution: Activate when in contact, or in close proximity to target tissue to avoid the possibility of unintended tissue damage.
The MEGADYNE™ MEGA POWER™ Generator is required to obtain the proven scalpel-like benefits of the MEGADYNE ACE BLADE™ 700 Dissector. Ethicon recommends the use of the MEGADYNE™ MEGA VAC™ PLUS / MEGA VAC™ / MINI VAC™ for optimized smoke evacuation.

### Capital Equipment

**MEGADYNE ACE BLADE™ 700 Dissector Optimized Device Performance / 03**