



Habib 4x

Bipolar Resection Device



The Habib 4X device can be used to assist in liver resection procedures by developing a plane of coagulative necrosis along the intended line of parenchymal transection. Once coagulated, the tissue can be divided with a conventional scalpel through the zone of necrosis.

- Available in 6 cm and 10 cm lengths
- Push-off tool included with each device
- Kit available containing one 6 cm and one 10 cm device

Push-off tool

Plastic tool used to support tissue during electrode withdrawal

Habib 4X Adapter Cable



Habib 4X adapter cable is specifically designed for use with the AngioDynamics 1500X RF Generator and is a required accessory with the Habib 4X Open surgical device.

HABIB 4X RESECTION DEVICES

Product Name	UPN
Habib 4X Kit	H78744011
Habib 4X Single — 6 cm	H787440151
Habib 4X Single — 10 cm	H7874401L1
1500X RF Generator Adapter Cable	700-103285

IMPORTANT RISK INFORMATION

INDICATIONS FOR USE: The Habib 4X device is intended to be used to assist in intraoperative coagulation of tissue during surgical procedures.

CONTRAINDICATIONS: Do not use on patients with cardiac pacemakers or other active implants.

DESCRIPTION: The Habib 4X Device is a sterile, single use device that can be used in conjunction with the RITA 1500/1500X or Radionics Cosman Coagulator CC-1 RF generator. The Habib device is used to assist in liver resection procedures by employing Radio frequency (RF) energy to develop a plane of coagulative necrosis along the intended line of parenchymal transection. The tissue can subsequently be divided with a conventional scalpel through this zone of necrosis.

HOW SUPPLIED: The Habib 4X Device is available in 6 cm and 10 cm needle lengths. All Habib Devices are

packaged with a push-off tool that can be used in assisting the physician in removing the Habib Device. The Habib Device is also available in a Kit that consists of one 6 cm Habib[®] Device, one 10 cm Habib[®] Device and one push-off tool. The Habib Device is supplied pyrogen free. Transport and store in dry environment within temperature range 0°C - 50°C.

SIDE EFFECTS: The potential side effects associated with liver surgery are: general problems related to general anesthetics, bleeding, liver abscess, bile leak, liver failure, subphrenic abscess, postoperative heart failure, chest infection, wound dehiscence, wound infection or incisional hernia.

WARNINGS: Do not attach anything (i.e., clamps, etc.) to the device. This may damage the insulation, which could contribute to patient injury. Take care when handling as

needles can cause injury. Do not use if needles are bent or damaged, as it could lead to patient injury. Please refer to the generator's user manual for warnings and precautions associated with the use of the generator. Do not use Dispersive Pad(s) with the Habib 4X device. Using dispersive pad(s) will reduce the effectiveness of the Habib 4X device and will create an unintended current path from the Habib 4X electrode to the dispersive pad(s).

Please refer to instructions for use for full indication, contraindications, warnings and precautions.

CAUTION: Federal (USA) law restricts the sale of this device by or on the order of a physician.



USA > 14 Plaza Drive, Latham, NY 12110 > tel: 800-772-6446 or 518-798-1215 > fax: 518-798-1360
International > Haaksbergweg 75 (Margrietoren), 1101 BR, Amsterdam Z-O > The Netherlands
tel: +31 (0)20 753 2949 > fax: +31 (0)20 753 2939

www.angiodynamics.com

*AngioDynamics and the AngioDynamics logo is a trademark and/or registered trademark of AngioDynamics, Inc., an affiliate or a subsidiary. Habib is a registered trademark of Emcision, Ltd.