Medtronic

Precision you can feel

Liberant™ Thrombectomy System

An ultrasonic controlled thrombectomy system designed to be an extension of your hands.

Liberant™
thrombectomy system

Intuitive, adaptive, comprehensive.

This system includes a catheter,† dilator, and clotbuster – all in one set. The blood conservation unit comes as a capital component to be used case after case.

† Available catheter options: 6 Fr, 8 FrS, 8 FrL, 12 Fr.

Blood conservation unit (BCU)

Adapts to real data in real time.

The BCU features an ultrasonic sensor that **directly** measures blood flow.

Next, an intelligent algorithm automatically adapts the pulse rate to provide appropriate aspiration power, with two modes available.

35%

less blood loss

in bench testing with ovine blood.†,1

Standard mode

Standard mode is used to minimize blood loss by maintaining a lower pulse rate.

Boost mode

Boost mode is used for procedural efficiency by allowing an increased pulse rate.

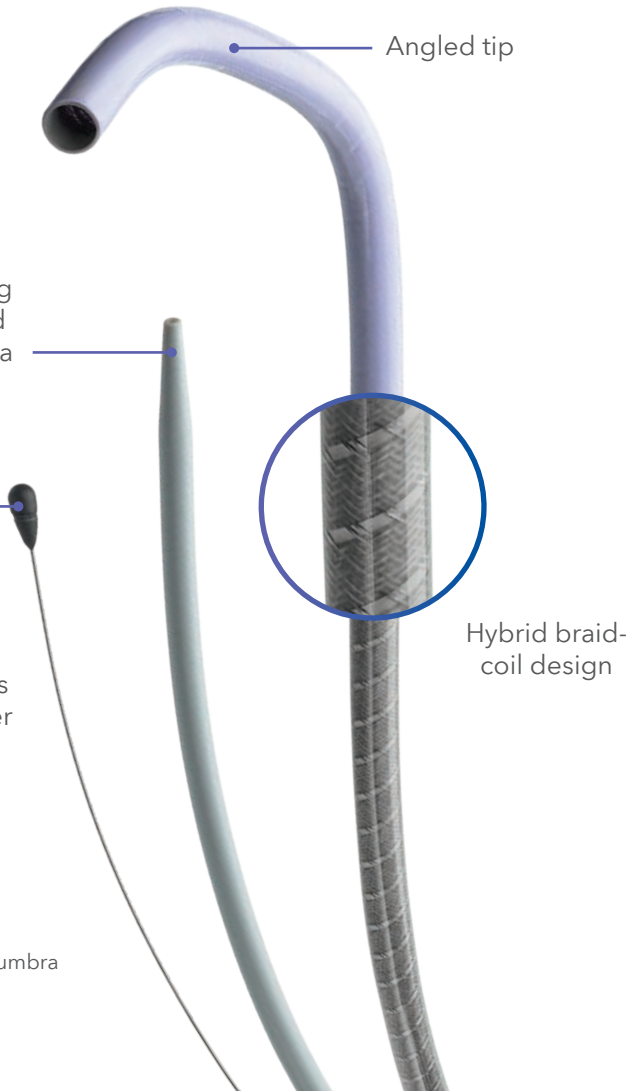
Risks include, but are not limited to, embolization, hemorrhage, thrombosis, and vessel damage.

† Based on bench data with Liberant 8 Fr long in standard mode compared to Penumbra Indigo™* Lightning 7 Fr.

Ultimate control is in your hands

The catheters are easy to deliver, with an atraumatic and angled tip† for more effective,‡ wall-to-wall clot removal.[1]

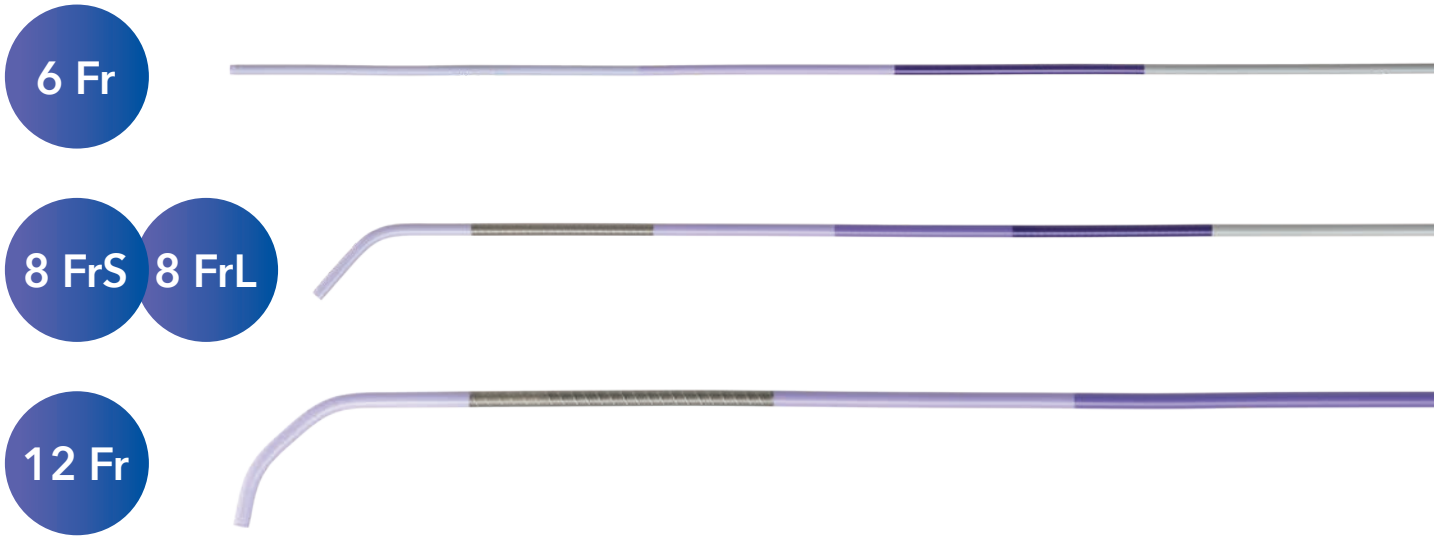
A hybrid braid-coil design improves torque response.§,[1]

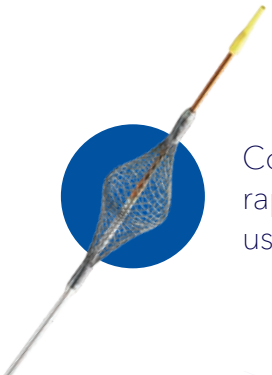


† On 8 Fr and 12 Fr.
‡ Based on bench data measuring maneuverability.
§ Based on bench data with Liberant 8 Fr and 12 Fr compared to Penumbra Lightning 7 Fr and Lightning 12 Fr. Torque response at 180 degrees.

Proven performance, vessel by vessel[2]

Available in three French sizes allowing for flexibility in the treatment of arterial, venous, and arteriovenous vessels.





Compatible with the Excipio™* thrombectomy devices, rapid exchange catheters with a mechanical basket, used with controlled aspiration.

Liberant system capital components	
Description	**SKU**
Liberant blood conservation unit (BCU)	LMT-BCU
Riptide™ aspiration pump, general surgical use	LMT-RAP

Liberant system disposable components	
Description	**SKU**
Riptide collection canister with intermediate tubing	LMT-RCT

Liberant thrombectomy sets†

Description	Working length	Catheter shape	Catheter OD	SKU
Liberant thrombectomy set, 6 Fr	135 cm	Straight	2.16 mm	LMT-CT6
Liberant thrombectomy set, 8 Fr Short	50 cm	Single angled	2.80 mm	LMT-CT8S
Liberant thrombectomy set, 8 Fr Long	115 cm	Single angled	2.80 mm	LMT-CT8L
Liberant thrombectomy set, 12 Fr	115 cm	Double angled	3.99 mm	LMT-CT12

† Liberant thrombectomy sets consist of a catheter, dilator, clotbuster, aspiration tubing, and hemostasis valve.

1. Data on file at Medtronic. D01380628, In-Vitro Marketing Testing on Liberant and Penumbra's Indigo System Report. Bench testing may not be indicative of clinical performance.
2. Design verification report for the Liberant Thrombectomy System. Medtronic data on file.

Indications for Use: The Liberant thrombectomy system is indicated for the removal of fresh, soft emboli or thrombi from the vessels of the peripheral arterial and venous systems.

Contraindications: Do not use the Liberant thrombectomy system in the coronary vasculature or neurovasculature. Do not use in patients for whom anticoagulant or antiplatelet therapy is contraindicated.

Potential Adverse Effects of the Device on Health: The potential complications include, but are not limited to the following: allergic reaction to device materials; anemia; death; embolization; hemorrhage; hypotension; infection; ischemia or infarction; pain; thrombosis; total occlusion of treated vessel; venous valvular damage; vessel damage, including arteriovenous fistula, dissection, perforation, pseudoaneurysm, or vascular aneurysm; adverse events associated with endovascular procedures, including acute renal impairment, allergic reaction to contrast medium, cerebrovascular accident, hemorrhage or hematoma at access site, hypertension.

Indications, contraindications, warnings and instructions for use can be found in the product labeling supplied with each device, or contact a Medtronic representative.

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

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