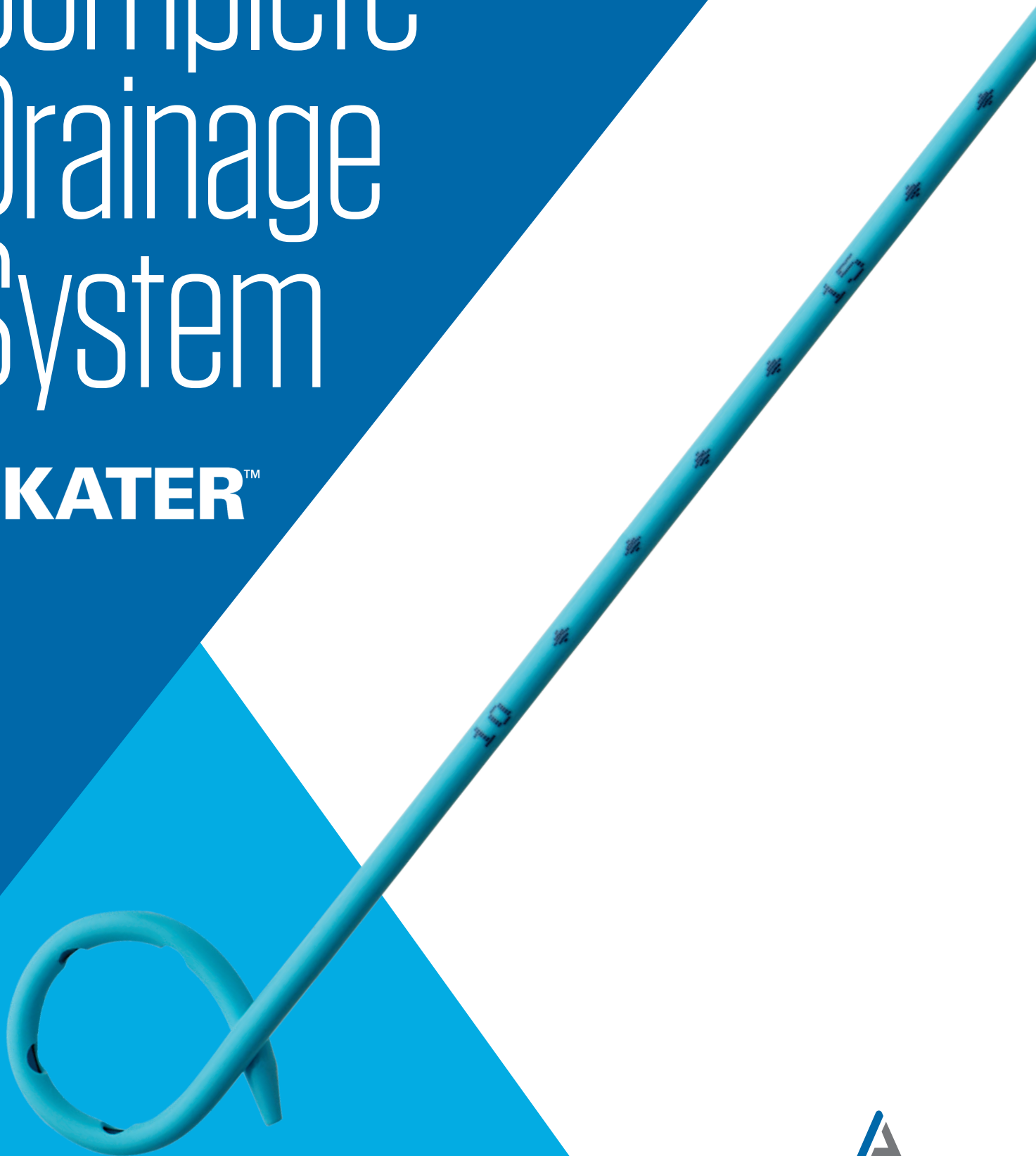


# Complete Drainage System

**SKATER™**



  
**ARGON**  
MEDICAL DEVICES

**The SKATER™ Drainage System** provides a complete portfolio of catheters and accessories for all-purpose, nephrostomy, biliary and centesis procedures.

### All-Purpose Drainage Catheters

For drainage of abscesses and fluid collections

- Choice Lock™ trocar stylet allows for single-handed abscess drainage placement
- Available in locking and non-locking configurations
- Expansive size offering of 6F - 16F
- Can be used safely with ethyl alcohol and doxycycline

### Kit Components Contain One:

- SKATER catheter
- Removable pigtail straightener
- Metal stiffening cannula
- Flexible stiffening cannula (Not available on 6F and 7F)
- Locking system with snap-off tab (Not available on non-locking pigtail catheters)

### Nephrostomy Drainage Catheters

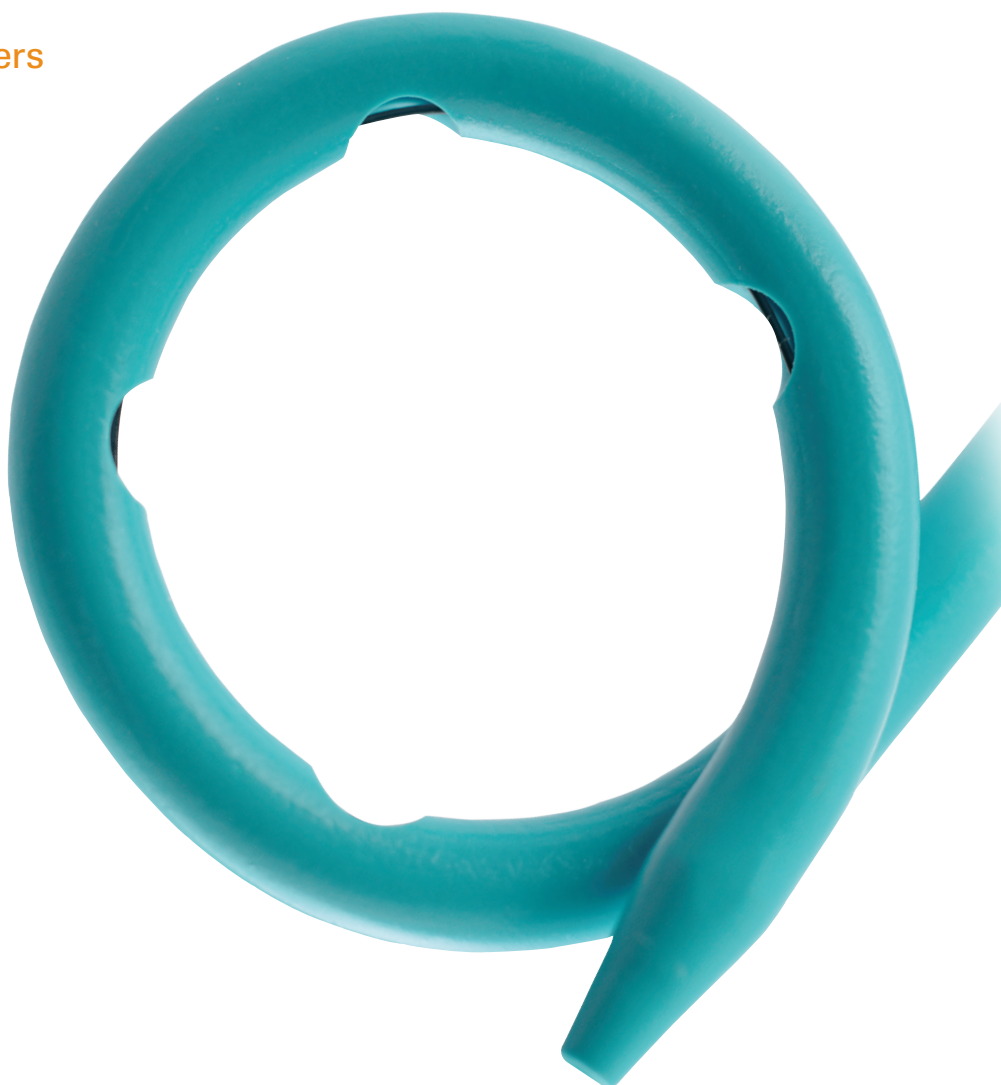
For drainage of the urinary tract

- Designed for Seldinger technique
- Expansive size offering of 6F - 14F
- Can be used safely with ethyl alcohol and doxycycline

### Biliary Drainage Catheters

For drainage of the biliary tract

- Radiopaque marker band provides clear view of the most proximal drainage hole for accurate placement in the biliary tract
- Additional drainage holes for biliary duct to duodenum drainage
- Can be used safely with ethyl alcohol and doxycycline



# SKATER™

## Formulated to promote

**Large skived holes**  
help maximize drainage

**Position markers**  
confirm catheter  
position after  
placement

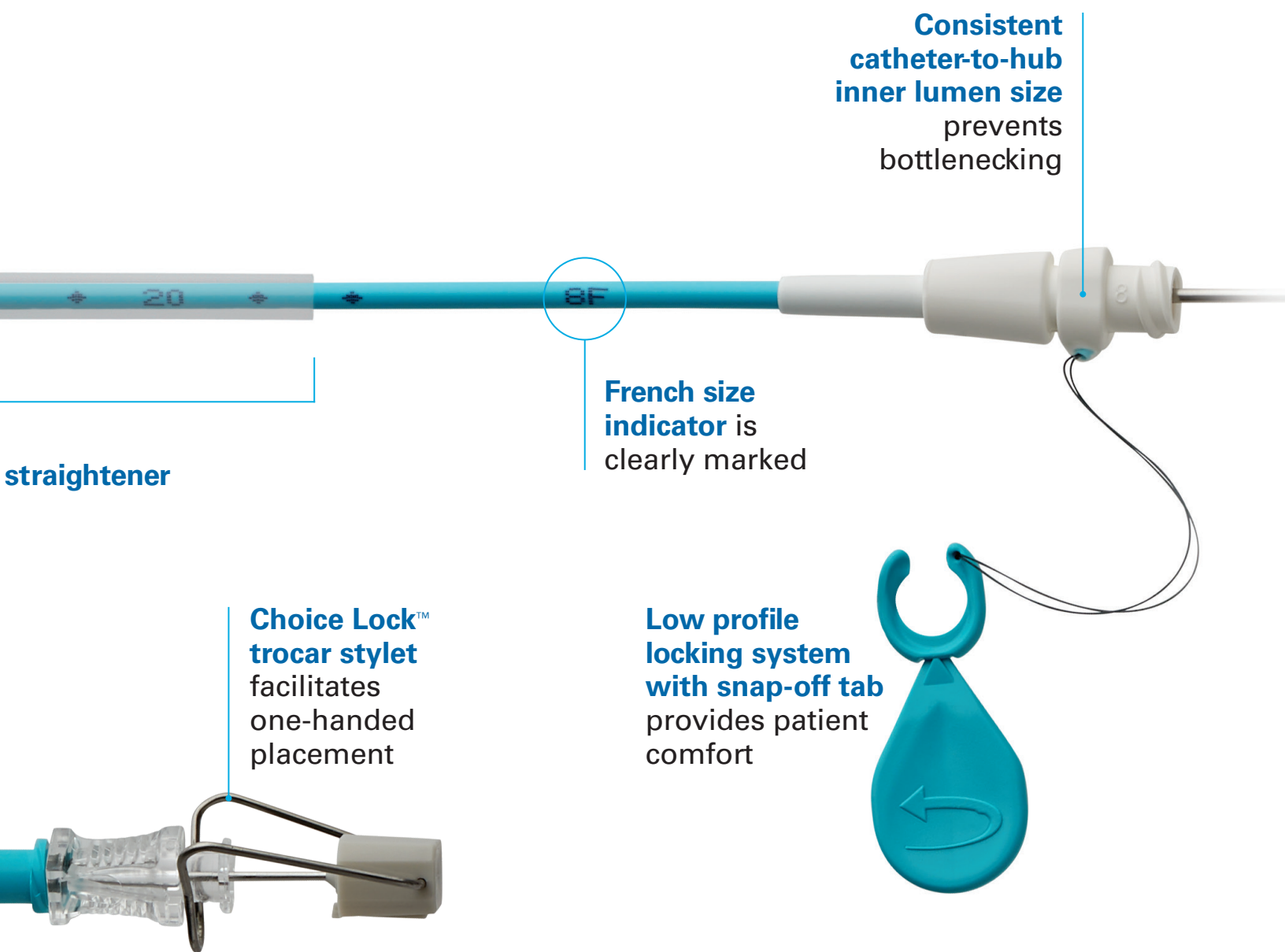
**Locking  
shoulder tip**  
reduces buckling  
during insertion

**Removable pigtail**

**SLIP-COAT™ hydrophilic coating**  
significantly reduces friction for  
easier catheter insertion



# maximum drainage flow



## SKATER Accessories

### Centesis Catheters

- Needle with echogenic tip for precise placement under imaging
- Tapered catheter tip ensures smooth insertion
- Four radial side holes facilitate drainage within small cavities
- Hollow stylet needle permits aspiration of fluid prior to needle removal
- Vent plug allows air to exit catheter during insertion and protects against fluid leakage



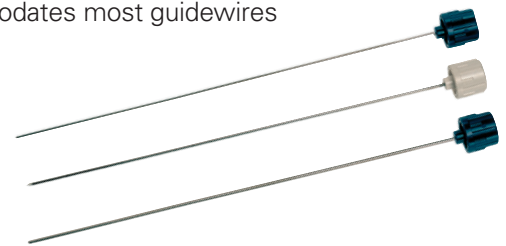
### SKATER Introducer Systems

- Echogenic needle tip allows for accurate placement with ultrasound guidance
- Embedded radiopaque marker enhances visualization for accurate placement
- 4F dilator/6F sheath assembly with locking stiffening cannula facilitates easy over-the-wire placement
- Large end hole design of the sheath accepts up to both .018" and .038" guidewires simultaneously
- Available with a stainless steel or nitinol .018" guidewire



### Hawkins™ Blunt Needle Access Systems

- The adjustable needle stop localizes the outer cannula to the target, preventing forward migration
- The outer cannula has an echogenic tip, promoting accurate placement under ultrasound guidance
- Centimeter markings provide reference for accurate depth placement
- Accommodates most guidewires



### Drainage Bags

- Kink-resistant tube can be cut and fit to the appropriate length
- Flexible tubing allows for patient mobility during drainage
- Twist-type valve provides quick and easy emptying of drainage bag
- Anti-reflux valve prevents retrograde contamination
- Fully adjustable soft belt provides patient convenience



### Introducer Sheaths/Needles (ISN)

- 5F radiopaque sheaths for guidewire insertion or fluid aspiration
- 19G needle with trocar-style tip for easy insertion
- Available in 15 cm and 20 cm lengths

## Ordering Information

SKATER All-Purpose Drainage Catheters w/ Locking Pigtail (Box of 5)	
CATALOG #	DESCRIPTION
756506020*	6F x 20 cm, accepts up to .035" guidewire
756507020*	7F x 20 cm, accepts up to .035" guidewire
756508025	8F x 25 cm, accepts up to .038" guidewire
756508030	8F x 30 cm, accepts up to .038" guidewire
756510025	10F x 25 cm, accepts up to .038" guidewire
756510030	10F x 30 cm, accepts up to .038" guidewire
756512025	12F x 25 cm, accepts up to .038" guidewire
756514025	14F x 25 cm, accepts up to .038" guidewire
756516025	16F x 25 cm, accepts up to .038" guidewire

\*Flexible stiffening cannula not available on 6F and 7F.

SKATER All-Purpose Drainage Catheters w/ Non-Locking Pigtail (Box of 5)	
CATALOG #	DESCRIPTION
756006020*	6F x 20 cm, accepts up to .035" guidewire
756007020*	7F x 20 cm, accepts up to .035" guidewire

\*Flexible stiffening cannula not available on 6F and 7F.

SKATER Nephrostomy Drainage Catheters w/ Locking Pigtail (Box of 5)	
CATALOG #	DESCRIPTION
755606025*	6F x 25 cm, accepts up to .035" guidewire
755608035	8F x 35 cm, accepts up to .038" guidewire
755610035	10F x 35 cm, accepts up to .038" guidewire
755612035	12F x 35 cm, accepts up to .038" guidewire
755614035	14F x 35 cm, accepts up to .038" guidewire

\*Flexible stiffening cannula not available on 6F.

SKATER Biliary Drainage Catheter w/ Locking Pigtail (Box of 5)	
CATALOG #	DESCRIPTION
755308040	8F x 40 cm, accepts up to .038" guidewire
755310040	10F x 40 cm, accepts up to .038" guidewire
755312040	12F x 40 cm, accepts up to .038" guidewire

SKATER Centesis Catheters (Box of 5)	
CATALOG #	DESCRIPTION
700304007	4F x 7 cm
700304010	4F x 10 cm
700304015	4F x 15 cm
700305007	5F x 7 cm
700305010	5F x 10 cm
700305015	5F x 15 cm
700305020	5F x 20 cm

SKATER Introducer Systems (Box of 5)	
CATALOG #	DESCRIPTION
651006000	4F dilator/6F x 18 cm co-axial introducer, .018" x 80 cm stainless steel guidewire w/ platinum tip, 21G x 15 cm trocar needle w/ echogenic tip
651006300	4F dilator/6F x 18 cm co-axial introducer, .018" x 80 cm nitinol guidewire w/ platinum tip, 21G x 15 cm trocar needle w/ echogenic tip
651506000	4F dilator/6F x 20 cm co-axial introducer, .018" x 80 cm stainless steel guidewire w/ platinum tip, 21G x 15 cm trocar needle
651506300	4F dilator/6F x 20 cm co-axial introducer, .018" x 80 cm nitinol guidewire w/ platinum tip, 21G x 15 cm trocar needle

Introducer Sheaths/Needles (Box of 10)	
CATALOG #	DESCRIPTION
ISN1915	19G x 15 cm w/ 5F sheath, accepts up to .038" guidewire
ISN1920	19G x 20 cm w/ 5F sheath, accepts up to .038" guidewire

Hawkins Blunt Needle Access Systems (Box of 5)	
CATALOG #	DESCRIPTION
216057	16G x 5 cm
216107	16G x 10 cm
216157	16G x 15 cm
218057	18G x 5 cm
218107	18G x 10 cm
218157	18G x 15 cm
218207	18G x 20 cm

Drainage Bags (Box of 5 or 20)	
CATALOG #	DESCRIPTION
DBAG600	600 mL drainage, w/ adjustable drain tube length, box of 20
DBAG600H	600 mL drainage, w/ adjustable drain tube length, box of 5

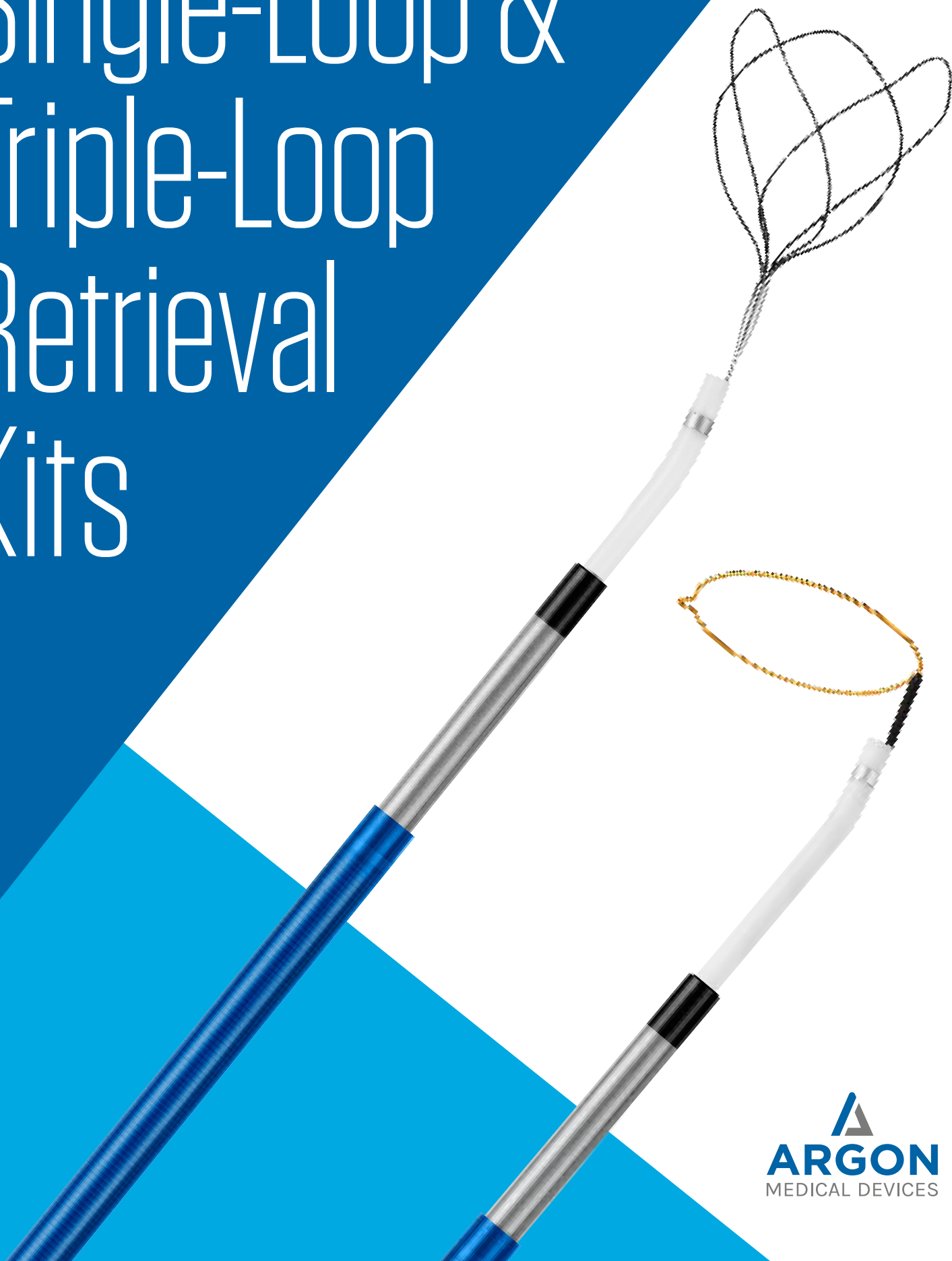
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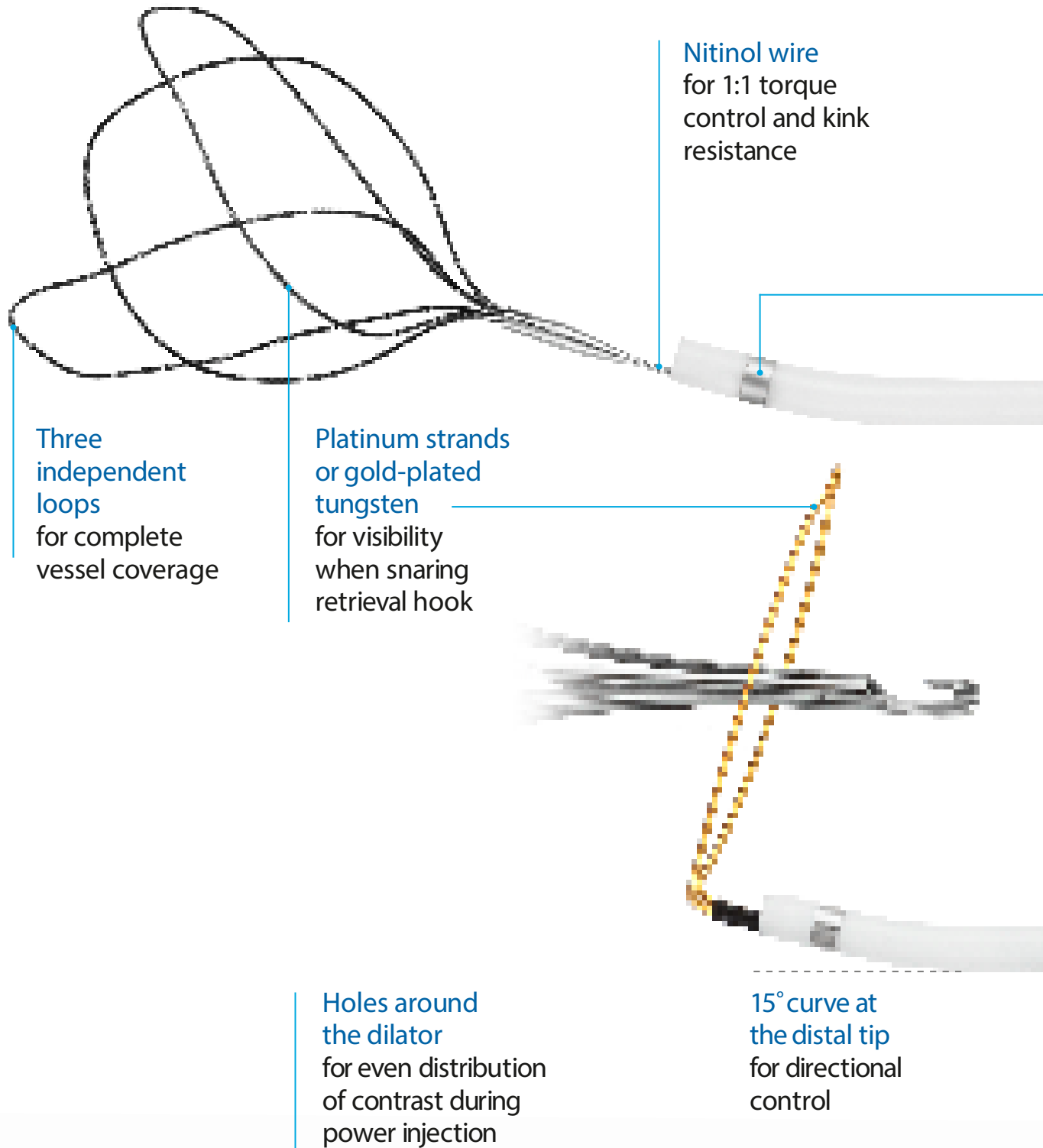
  
**ARGON**  
MEDICAL DEVICES

96-6300-14/0619C

# Single-Loop & Triple-Loop Retrieval Kits



# Redefining your retrieval options



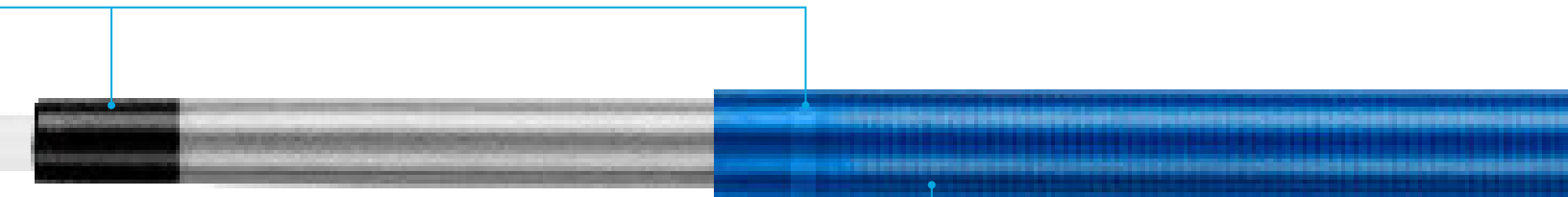


The only single-loop and triple-loop kits designed for removal of all IVC filters retrievable from a jugular approach.<sup>1</sup>

With a rigid sheath, enhanced visualization, hemostatic control and two snare options, Argon's Single-Loop and Triple-Loop Retrieval Kits are designed with the rigor of

### Radiopaque bands

increase visibility for control when capturing and sheathing over the IVC filter



Triple-Loop Retrieval Kit

Coil-reinforced  
outer sheath  
for strength to  
detach filter legs  
from the IVC wall



Single-Loop Retrieval Kit

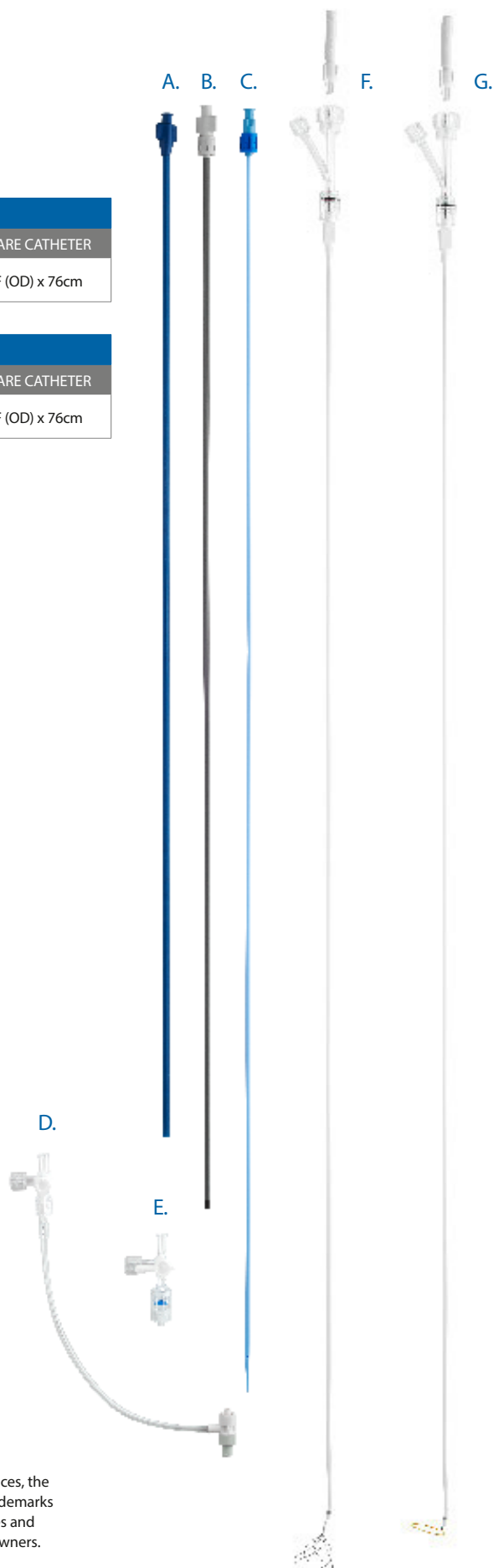
## Ordering Information

Single-Loop Retrieval Kit			
CATALOG #	INNER SHEATH	OUTER SHEATH	SNARE CATHETER
380911120	9F (ID) x 64cm	11F (ID) x 60cm	7F (OD) x 76cm

Triple-Loop Retrieval Kit			
CATALOG #	INNER SHEATH	OUTER SHEATH	SNARE CATHETER
380911330	9F (ID) x 64cm	11F (ID) x 60cm	7F (OD) x 76cm

## Each Kit Includes

- A. 11F (ID) x 60cm Outer Sheath
- B. 9F (ID) x 64cm Inner Sheath
- C. 8F (OD) x 75cm Dilator
- D. Hemostasis Valve with Sideport
- E. 3-Way High Pressure Stopcock
- F. 7F (OD) x 76cm Snare Catheter with Tuohy-Borst Y-Port Adapter, 30mm x 93cm Triple-Loop Snare with Torque Handle
- OR
- G. 7F (OD) x 76cm Snare Catheter with Tuohy-Borst Y-Port Adapter, 20mm x 93cm Single-Loop Snare with Torque Handle



1. K070514, K152560, K073374, K112185

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**ARGON**  
MEDICAL DEVICES

96-6500-09/0220B

# Biopsy Solutions



Argon Medical Devices, Inc. is a manufacturer of specialty medical products, headquartered in Frisco, TX. We offer a broad line of medical devices for Interventional Radiology, Vascular Surgery, Interventional Cardiology and Oncology.

We are recognized for providing best-in-class products that improve patient outcomes via percutaneous, image-guided procedures such as Option® ELITE retrievable IVC filters, Cleaner 15® and Cleaner XT® rotational thrombectomy systems, BioPince® full core biopsy instruments, and SKATER® percutaneous drainage catheters.

In conjunction with the above products we offer complete lines of biopsy devices (soft tissue, bone, & bone marrow), endomyocardial biopsy forceps, introducer sheaths, drainage catheters, extended dwell catheters (PICC & midline), and various other products used for vascular procedures.

Our established sales and marketing infrastructure serves a diversified global customer base through both a direct sales organization and through long-standing relationships with medical device distributors, strategic partners and OEMs.

We look forward to serving you and your medical device needs.

For more information, or to be contacted by your local Territory Manager, please contact Argon Customer Service by phone at **800.927.4669**, fax 903.677.9396 or email **Customer.Service@argonmedical.com**

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# Flexibility you need. Performance you can trust.

## TLAB® Transjugular Liver Biopsy System

The TLAB® Transjugular Liver Biopsy Instrument is designed to perform consistently in typical and tortuous anatomy, collect quality liver samples, and enhance patient and physician safety.

TLAB Kit Contents						
	CATALOG #	GAUGE	SHEATH WITH METAL STIFFENER	STRAIGHT CATHETER	CURVED CATHETER	SWABS
18G	TL-18N	18G	7F, 60cm	-	-	4
	TL-18S	18G	7F, 60cm	5F, 65cm	-	4
	TL-18C	18G	7F, 60cm	5F, 65cm	5F, 80cm	4
19G	TL-19N	19G	7F, 60cm	-	-	4
	TL-19S	19G	7F, 60cm	5F, 65cm	-	4
	TL-19	19G	7F, 60cm	5F, 65cm	5F, 80cm	4

**Safety funnel** for quick and easy loading and reloading of the needle into the sheath while reducing the risk of an inadvertent needle stick

**Unique swab sticks** efficiently remove a sample from the notch while keeping a user's hands away from the needle

**Tru-Track trocar tip** and a fully exposed sample notch combine for a straight needle trajectory and maximum sample yield that's unmatched by the competition<sup>1</sup>

**Patented Flexcore® technology** helps the needle to conform to the curvature of the sheath; TLAB easily navigates and collects samples at typical or acute angles

<sup>1</sup> Behrens G, Ferral H, Guisto D, Patel J, Van Theil DH. Transjugular Liver Biopsy: Comparison of Sample Adequacy with the Use of Two Automated Needle Systems. J Vasc Interv Radiol 2011; 22:341-345

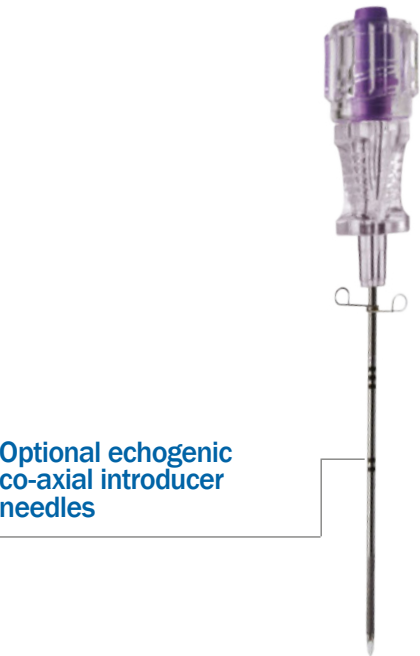
# BioPince® Ultra Full Core Biopsy Instrument

BioPince® Full Core Biopsy Instrument utilizes our tri-axial core, cut, and capture system to harvest diagnostic quality specimens while reducing the risk of crush artifact and tissue fragmentation. A full cylindrical specimen is harvested for clinical diagnosis.

BioPince Ultra Full Core Biopsy Device (Box of 5)			
	CATALOG #	GAUGE x LENGTH	CO-AXIAL (Optional)
16G	370-1080-02	16G x 10cm	MCXS1610BP
	370-1580-02	16G x 15cm	MCXS1615BP
18G	360-1080-02	18G x 10cm	MCXS1810BP
	360-1580-02	18G x 15cm	MCXS1815BP
	360-2080-02	18G x 20cm	MCXS1820BP

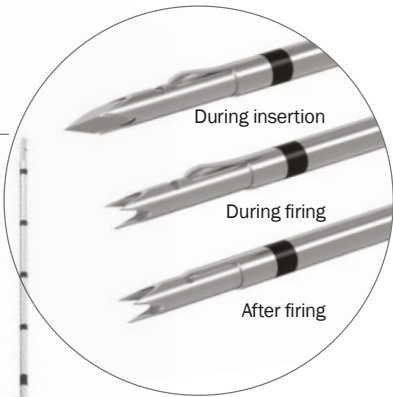
BioPince Ultra Full Core Biopsy Device with Co-axial Introducer Needle (Box of 5)			
	CATALOG #	GAUGE x LENGTH	CO-AXIAL NEEDLE
16G	370-1080-03	16G x 10cm	15G x 6.8cm
	370-1580-03	16G x 15cm	15G x 11.8cm
18G	360-1080-03	18G x 10cm	17G x 6.8cm
	360-1580-03	18G x 15cm	17G x 11.8cm
	360-2080-03	18G x 20cm	17G x 16.8cm

Echogenic Co-axial Introducer Needles (Sold Separately) (Box of 5)			
	CATALOG #	GAUGE x LENGTH	COMPATIBLE DEVICE
15G	MCXS1610BP	15G x 6.8cm	370-1080-02
	MCXS1615BP	15G x 11.8cm	370-1580-02
17G	MCXS1810BP	17G x 6.8cm	360-1080-02
	MCXS1815BP	17G x 11.8cm	360-1580-02
	MCXS1820BP	17G x 16.8cm	360-2080-02



Optional echogenic co-axial introducer needles

Triaxial core, cut and capture system harvests diagnostic quality specimens



Safety switch allows device locking until ready to use (opposite side of device)



Numerically ordered centimeter markings provide reference for depth placement

Variable throw lengths enhance clinical flexibility

Throw Length	Specimen Length
33mm	29mm
23mm	19mm
13mm	9mm

Green 'ready' indicator

Forward trigger for flexibility in approach

Cocking lever

Color-coded trigger for gauge identification



# BioPince® Full Core Biopsy Instrument

BioPince® Full Core Biopsy Instrument utilizes our tri-axial core, cut, and capture system to harvest diagnostic quality specimens while reducing the risk of crush artifact and tissue fragmentation. A full cylindrical specimen is harvested for clinical diagnosis.

BioPince Full Core Biopsy Instrument (Box of 5)			
	CATALOG #	GAUGE x LENGTH	CO-AXIAL (Optional)
16G	370-1080-01	16G x 10cm	MCXS1610BP
	370-1580-01	16G x 15cm	MCXS1615BP
18G	360-1080-01	18G x 10cm	MCXS1810BP
	360-1580-01	18G x 15cm	MCXS1815BP
	360-2080-01	18G x 20cm	MCXS1820BP

Echogenic Co-axial Introducer Needles (sold separately) (Box of 5)			
	CATALOG #	GAUGE x LENGTH	COMPATIBLE DEVICE
15G	MCXS1610BP	15G x 6.8cm	370-1080-01
	MCXS1615BP	15G x 11.8cm	370-1580-01
17G	MCXS1810BP	17G x 6.8cm	360-1080-01
	MCXS1815BP	17G x 11.8cm	360-1580-01
	MCXS1820BP	17G x 16.8cm	360-2080-01

## Up to 58% more tissue volume

A peer-reviewed study demonstrates a 16G BioPince full core sample offers up to 58% more glomeruli than a 14G conventional side-notch biopsy instrument.<sup>1</sup>



BioPince Full Core Biopsy Instrument



Conventional side-notch biopsy instrument

<sup>1</sup> Constantin, A., Brisson, M.L., Kwan, J., and Proulx, F., Percutaneous US-guided Renal Biopsy: A Retrospective Study comparing 16ga end-cut and 14ga side-notch needles. J Vasc Interv Radiol. 2010; 21:357-361.



**Color-coded trigger**  
for gauge identification

**Safety button**  
allows locking the device  
until ready to use

**Ready to fire indicator**

**Easy specimen retrieval**  
expels sample when  
device is re-cocked

**Variable throw lengths**  
enhance clinical flexibility

Throw Length	Specimen Length
13mm	9mm
23mm	19mm
33mm	29mm

**Numerically ordered  
centimeter markings**  
provide reference for  
depth placement

**Optional echogenic  
co-axial introducer  
needles** allow for  
flexibility in approach



# Adjustable ease – all in one hand

**Echogenic tip** for accurate placement under ultrasound guidance

**22mm throw with a 19mm sample notch** harvests sufficient tissue for clinical diagnosis

**Ergonomic design** provides easy operation for both right and left hand users

**Optional echogenic co-axial introducer needles** allow for flexibility in approach



## Tru-Core™ II Automatic Biopsy Instrument

Tru-Core™ II Automatic Biopsy Instrument can be easily operated with one hand, making it ideal for procedures requiring ultrasound guidance. Its small size and lightweight make it equally ideal for CT guided core biopsies.

Tru-Core II Automatic Biopsy Instrument (Box of 10)			
	CATALOG #	GAUGE x LENGTH	CO-AXIAL (Optional)
14G	763114100X	14G x 10cm	MCXS1410TX
	763114160X	14G x 16cm	MCXS1416TX
	763114200X	14G x 20cm	
16G	763116100X	16G x 10cm	MCXS1610TX
	763116160X	16G x 16cm	MCXS1616TX
	763116200X	16G x 20cm	
18G	763118100X	18G x 10cm	MCXS1810TX
	763118160X	18G x 16cm	MCXS1816TX
	763118200X	18G x 20cm	MCXS1820TX
20G	763120100X	20G x 10cm	MCXS2010TY
	763120160X	20G x 16cm	MCXS2016TY
	763120200X	20G x 20cm	

Echogenic Co-axial Introducer Needles (Sold Separately) (Box of 10)			
	CATALOG #	GAUGE x LENGTH	COMPATIBLE DEVICE
13G	MCXS1410TX	13G x 5.1cm	763114100X
	MCXS1416TX	13G x 11.1cm	763114160X
15G	MCXS1610TX	15G x 5.1cm	763116100X
	MCXS1616TX	15G x 11.1cm	763116160X
17G	MCXS1810TX	17G x 5.1cm	763118100X
	MCXS1816TX	17G x 11.1cm	763118160X
	MCXS1820TX	17G x 15.1cm	763118200X
19G	MCXS2010TY	19G x 5.4cm	763120100X
	MCXS2016TY	19G x 11.4cm	763120160X

Tru-Core II URO Automatic Biopsy Instrument (Box of 10)		
	CATALOG #	GAUGE x LENGTH
18G	763418200X	18G x 20cm
	763418250X	18G x 25cm



# SuperCore™ Semi-Automatic Biopsy Instrument

SuperCore™ Semi-Automatic Biopsy Instrument is a lightweight, adjustable and easily maneuverable biopsy instrument. After setting the cutting cannula spring, the SuperCore Instrument may be operated with one hand, leaving the other hand free to manipulate a guidance device; i.e. an ultrasound probe.



**Color-coded trigger**  
for accurate gauge  
identification

**Adjustable sample notch**  
eliminates the need for  
multiple instruments  
1 = 9.5mm  
2 = 19mm

**Numerically ordered  
centimeter markings**  
facilitate precise depth  
placement

**Optional echogenic  
co-axial introducer  
needles** allow for  
flexibility in approach

**Echogenic tip**  
for accurate  
placement under  
ultrasound guidance

SuperCore Semi-Automatic Biopsy Instrument (Box of 10)			
	CATALOG #	GAUGE x NLENGTH	CO-AXIAL (Optional)
14G	701114060	14G x 6cm	
	701114090	14G x 9cm	MCXS1409LX
	701114150	14G x 15cm	MCXS1415LX
	701114200	14G x 20cm	MCXS1420LX
16G	701116060	16G x 6cm	
	701116090	16G x 9cm	MCXS1609LX
	701116150	16G x 15cm	MCXS1615LX
	701116200	16G x 20cm	MCXS1620LX
18G	701118060	18G x 6cm	
	701118090	18G x 9cm	MCXS1809LX
	701118150	18G x 15cm	MCXS1815LX
	701118200	18G x 20cm	MCXS1820LX
20G	701120060	20G x 6cm	
	701120090	20G x 9cm	MCXS2009LY
	701120150	20G x 15cm	MCXS2015LY
	701120200	20G x 20cm	MCXS2020LY

SuperCore Semi-Automatic Biopsy Instrument packaged with Echogenic Co-axial Introducer Needle (Box of 10)			
	CATALOG #	GAUGE x LENGTH	CO-AXIAL
14G	701214090	14G x 9cm	13G x 3.9cm
	701214150	14G x 15cm	13G x 9.9cm
	701214200	14G x 20cm	13G x 14.9cm
16G	701216090	16G x 9cm	15G x 3.9cm
	701216150	16G x 15cm	15G x 9.9cm
	701216200	16G x 20cm	15G x 14.9cm
18G	701218090	18G x 9cm	17G x 3.9cm
	701218150	18G x 15cm	17G x 9.9cm
	701218200	18G x 20cm	17G x 14.9cm
20G	701220090	20G x 9cm	19G x 4.2cm
	701220150	20G x 15cm	19G x 10.2cm
	701220200	20G x 20cm	19G x 15.2cm

Echogenic Co-axial Introducer Needles (Sold Separately) (Box of 10)			
	CATALOG #	GAUGE x LENGTH	COMPATIBLE DEVICE
13G	MCXS1409LX	13G x 3.9cm	701114090
	MCXS1415LX	13G x 9.9cm	701114150
	MCXS1420LX	13G x 14.9cm	701114200
15G	MCXS1609LX	15G x 3.9cm	701116090
	MCXS1615LX	15G x 9.9cm	701116150
	MCXS1620LX	15G x 14.9cm	701116200
17G	MCXS1809LX	17G x 3.9cm	701118090
	MCXS1815LX	17G x 9.9cm	701118150
	MCXS1820LX	17G x 14.9cm	701118200
19G	MCXS2009LY	19G x 4.2cm	701120090
	MCXS2015LY	19G x 10.2cm	701120150
	MCXS2020LY	19G x 15.2cm	701120200

# Simple and reliable performance every time



25mm “throw” advancement

Forward trigger for flexibility in approach

## Pro-Mag™ Ultra Automatic Biopsy Instrument

Pro-Mag™ Ultra Automatic Biopsy Instrument is a reusable device that utilizes disposable needles to harvest high-quality histological specimens.

Pro-Mag Ultra Automatic Biopsy Instrument (Box of 1)	
CATALOG #	DESCRIPTION
7675	Pro-Mag Ultra Automatic Biopsy Instrument

Easy specimen retrieval without removing the needle from the instrument

Built-in safety activates upon cocking to prevent accidental firing

Trigger is easily fired from the front or rear of the instrument

# Pro-Mag™ Ultra Biopsy Needles

Pro-Mag™ Ultra Biopsy Needles are especially designed for use with Pro-Mag™ Ultra Automatic Biopsy Instrument. High-quality core biopsy needles provide histological specimens for diagnosis of suspect lesions.

Pro-Mag Ultra Echogenic Biopsy Needles (Box of 10)			
	CATALOG #	GAUGE x LENGTH	CO-AXIAL (Optional)
14G	765014100	14G x 10cm	MCXS1410AX
	765014120	14G x 12cm	
	765014160	14G x 16cm	MCXS1416AX
16G	765016100	16G x 10cm	MCXS1610AX
	765016160	16G x 16cm	MCXS1616AX
	765016200	16G x 20cm	
18G	765018100	18G x 10cm	MCXS1810AX
	765018160	18G x 16cm	MCXS1816AX
	765018200	18G x 20cm	MCXS1820AX
	765018250	18G x 25cm	
	765018300	18G x 30cm	
20G	765020100	20G x 10cm	MCXS2010AY
	765020160	20G x 16cm	MCXS2016AY

Echogenic Co-axial Introducer Needles (sold separately) (Box of 10)			
	CATALOG #	GAUGE x LENGTH	COMPATIBLE DEVICE
13G	MCXS1410AX	13G x 4.6cm	765014100
	MCXS1416AX	13G x 10.6cm	765014160
15G	MCXS1610AX	15G x 4.6cm	765016100
	MCXS1616AX	15G x 10.6cm	765016160
17G	MCXS1810AX	17G x 4.6cm	765018100
	MCXS1816AX	17G x 10.6cm	765018160
	MCXS1820AX	17G x 14.6cm	765018200
19G	MCXS2010AY	19G x 4.9cm	765020100
	MCXS2016AY	19G x 10.9cm	765020160

**Echogenic tip** for accurate placement under ultrasound guidance

**19mm sample notch** ensures sufficient tissue for clinical diagnosis

**Unique hub design** obsoletes needle spacers

**Hubs** are color-coded for easy gauge size identification

**Centimeter markings** provide reference for accurate depth placement

**Optional echogenic co-axial introducer needles** allow for flexibility in approach

# Delivers high-quality samples

**Hubs** color coded for easy gauge size identification

**Numerically ordered centimeter markings** facilitate precise depth placement

**17mm sample notch** ensures sufficient tissue for clinical diagnosis

**Echogenic tip** for accurate placement under ultrasound guidance

## ACN™ Biopsy Needles

The ACN™ Biopsy Needle is to be used in conjunction with the Pro-Mag™ 2.2 Automatic Biopsy Instrument or other compatible, commercially available biopsy instruments. High-quality core biopsy needles provide histological specimens for diagnosis of suspect lesions.

ACN™ Biopsy Needles (Box of 10) For use with the Pro-Mag™ 2.2 Automatic Biopsy Instrument			
	CATALOG #	GAUGE x LENGTH	CO-AXIAL (Optional)
14G	ACN1410MF	14G x 10cm	MCXS1410AX
	ACN1416MF	14G x 16cm	MCXS1416AX
16G	ACN1610MF	16G x 10cm	MCXS1610AX
	ACN1616MF	16G x 16cm	MCXS1616AX
	ACN1620MF	16G x 20cm	
18G	ACN1810MF	18G x 10cm	MCXS1810AX
	ACN1816MF	18G x 16cm	MCXS1816AX
	ACN1820MF	18G x 20cm	MCXS1820AX
	ACN1825MF	18G x 25cm	
	ACN1830MF	18G x 30cm	
20G	ACN2010MF	20G x 10cm	MCXS2010AY
	ACN2016MF	20G x 16cm	MCXS2016AY
	ACN2020MF	20G x 20cm	

Echogenic Co-axial Introducer Needles (Sold Separately) (Box of 10)			
	CATALOG #	GAUGE x LENGTH	COMPATIBLE DEVICE
13G	MCXS1410AX	13G x 4.6cm	ACN1410MF
	MCXS1416AX	13G x 10.6cm	ACN1416MF
15G	MCXS1610AX	15G x 4.6cm	ACN1610MF
	MCXS1616AX	15G x 10.6cm	ACN1616MF
17G	MCXS1810AX	17G x 4.6cm	ACN1810MF
	MCXS1816AX	17G x 10.6cm	ACN1816MF
	MCXS1820AX	17G x 14.6cm	ACN1820MF
19G	MCXS2010AY	19G x 4.9cm	ACN2010MF
	MCXS2016AY	19G x 10.9cm	ACN2016MF

**Optional echogenic co-axial introducer needles** allow for flexibility in approach

# UltraCore™ Biopsy Needles

UltraCore™ Biopsy Needles are for use with Bard® MAGNUM® and BIP Biopsy Instruments. High-quality core biopsy needles provide histological specimens for diagnosis of suspect lesions.

UltraCore Biopsy Needles (Box of 10)			
	CATALOG #	GAUGE x LENGTH	CO-AXIAL (Optional)
14G	762614100	14G x 10cm	MCXS1410MX
	762614130	14G x 13cm	
	762614160	14G x 16cm	MCXS1416MX
	762614200	14G x 20cm	
16G	762616100	16G x 10cm	MCXS1610MX
	762616160	16G x 16cm	MCXS1616MX
	762616200	16G x 20cm	
18G	762618100	18G x 10cm	MCXS1810MX
	762618130	18G x 13cm	
	762618160	18G x 16cm	MCXS1816MX
	762618200	18G x 20cm	MCXS1820MX
	762618250	18G x 25cm	
	762618300	18G x 30cm	
20G	762620100	20G x 10cm	MCXS2010MY
	762620130	20G x 13cm	
	762620160	20G x 16cm	MCXS2016MY
	762620200	20G x 20cm	

Echogenic Co-axial Introducer Needles (Sold Separately) (Box of 10)			
	CATALOG #	GAUGE x LENGTH	COMPATIBLE DEVICE
13G	MCXS1410MX	13G x 4.3cm	762614100
	MCXS1416MX	13G x 10.3cm	762614160
15G	MCXS1610MX	15G x 4.3cm	762616100
	MCXS1616MX	15G x 10.3cm	762616160
17G	MCXS1810MX	17G x 4.3cm	762618100
	MCXS1816MX	17G x 10.3cm	762618160
	MCXS1820MX	17G x 14.3cm	762618200
19G	MCXS2010MY	19G x 4.6cm	762620100
	MCXS2016MY	19G x 10.6cm	762620160

**Optional echogenic co-axial introducer needles** allow for flexibility in approach

**19mm sample notch** ensures sufficient tissue for clinical diagnosis

**Unique hub design** obsoletes needle spacers

**Hubs** are color coded for easy gauge size identification

**Numerically ordered centimeter markings** facilitate precise depth placement



# Greater quantity of harvested cells

**Echogenic tip** on the outer cannula to promote accurate placement under ultrasound guidance

**30° matched ground needle tip** helps collect a cluster of intact cells

**Numerically ordered centimeter markings** on the outer cannula to facilitates precise depth placement

**Unique, adjustable needle stop** allows you to restrict forward movement, effectively localizing the needle tip to the biopsy site



## MaxiCELL® Biopsy Needles

MaxiCELL® Biopsy Needles harvests on both forward and backward thrusts of the needle, achieving a greater quantity of harvested cells.

MaxiCELL Biopsy Needles (Box of 10)		
CATALOG #	GAUGE x LENGTH	CO-AXIAL (INCLUDED)
22G	MMC2202	22G x 5cm
	MMC2203	22G x 9cm
	MMC2206	22G x 15cm
	MMC2202US	22G x 5cm with echogenic tip
	MMC2203US	22G x 9cm with echogenic tip
	MMC2206US	22G x 15cm with echogenic tip
	MMCI2203US	22G x 9cm 19G x 5cm co-axial with echogenic tip
	MMCI2206US	22G x 15cm 19G x 11.4cm co-axial with echogenic tip

# Fine Needle Aspiration (FNA) Biopsy Needles

Our traditional FNA biopsy needles harvest aspirate for cytological evaluations.

CHIBA Biopsy Needles (Box of 10)		
	CATALOG #	GAUGE x LENGTH
18G	MCN1803	18G x 9cm
	MCN1803US	18G x 9cm with echogenic tip
	MCN1806	18G x 15cm
	MCN1806US	18G x 15cm with echogenic tip
	MCN1808	18G x 20cm
	MCN1808US	18G x 20cm with echogenic tip
20G	MCN2003	20G x 9cm
	MCN2003US	20G x 9cm with echogenic tip
	MCN2006	20G x 15cm
	MCN2006US	20G x 15cm with echogenic tip
	MCN2008	20G x 20cm
	MCN2008US	20G x 20cm with echogenic tip
22G	MCN2203	22G x 9cm
	MCN2203US	22G x 9cm with echogenic tip
	MCN2206	22G x 15cm
	MCN2206US	22G x 15cm with echogenic tip
	MCN2208	22G x 20cm
	MCN2208US	22G x 20cm with echogenic tip

WESTCOTT Biopsy Needles (Box of 10)		
	CATALOG #	GAUGE x LENGTH
20G	MWN2003	20G x 9cm
	MWN2003US	20G x 9cm with echogenic tip
	MWN2006	20G x 15cm
	MWN2006US	20G x 15cm with echogenic tip
	MWN2008	20G x 20cm
	MWN2008US	20G x 20cm with echogenic tip
22G	MWN2203	22G x 9cm
	MWN2203US	22G x 9cm with echogenic tip
	MWN2206	22G x 15cm
	MWN2206US	22G x 15cm with echogenic tip
	MWN2208	22G x 20cm
	MWN2208US	22G x 20cm with echogenic tip

SPINAL Biopsy Needles (Box of 10)		
	CATALOG #	GAUGE x LENGTH
18G	MSPN1803	18G x 9cm
	MSPN1806	18G x 15cm
20G	MSPN2003	20G x 9cm
	MSPN2003US	20G x 9cm with echogenic tip
	MSPN2006	20G x 15cm
	MSPN2006US	20G x 15cm with echogenic tip
22G	MSPN2203	22G x 9cm
	MSPN2203US	22G x 9cm with echogenic tip
	MSPN2206	22G x 15cm
	MSPN2206US	22G x 15cm with echogenic tip
23G	SPN2302	23G x 5cm
	SPN2303	23G x 9cm
25G	MSPN2502	25G x 4cm
	SPN2502	25G x 5cm
	SPN2503	25G x 9cm

FRANSEEN Biopsy Needles (Box of 10)		
	CATALOG #	GAUGE x LENGTH
18G	MFN1803	18G x 9cm
	MFN1803US	18G x 9cm with echogenic tip
	MFN1806	18G x 15cm
	MFN1806US	18G x 15cm with echogenic tip
	MFN1808	18G x 20cm
	MFN1808US	18G x 20cm with echogenic tip
20G	MFN2003	20G x 9cm
	MFN2003US	20G x 9cm with echogenic tip
	MFN2006	20G x 15cm
	MFN2006US	20G x 15cm with echogenic tip
	MFN2008	20G x 20cm
	MFN2008US	20G x 20cm with echogenic tip
22G	MFN2203	22G x 9cm
	MFN2203US	22G x 9cm with echogenic tip
	MFN2206	22G x 15cm
	MFN2206US	22G x 15cm with echogenic tip
	MFN2208	22G x 20cm
	MFN2208US	22G x 20cm with echogenic tip

TROCAR Biopsy Needles (Box of 10)		
	CATALOG #	GAUGE x LENGTH
18G	MTN1806	18G x 15cm
	MTN1808	18G x 20cm

GREENE Biopsy Needles (Box of 10)		
	CATALOG #	GAUGE x LENGTH
22G	MGN2206X	22G x 15cm
		19G x 10cm with echogenic tip

10cc Locking Syringe (Box of 10)	
CATALOG #	DESCRIPTION
MLS1001	10cc



# Simplicity and Reliability

## Techna-Cut™ Biopsy Needles

The Techna-Cut™ Biopsy Needle is designed to perform simple, reliable biopsies of soft tissue. The trocar stylet allows for easy direct puncture while minimizing tissue damage.

Techna-Cut Biopsy Needles (Box of 10)		
CATALOG #	GAUGE x LENGTH	
16G	TCBN1607X	16G x 7cm
	TCBN1610X	16G x 10cm
	TCBN1615X	16G x 15cm
18G	TCBN1807X	18G x 7cm
	TCBN1810X	18G x 10cm
	TCBN1812X	18G x 12cm
	TCBN1815X	18G x 15cm
19G	TCBN1907X	19G x 7cm
	TCBN1910X	19G x 10cm
	TCBN1915X	19G x 15cm
21G	TCBN2107X	21G x 7cm
	TCBN2110X	21G x 10cm
	TCBN2115X	21G x 15cm
23G	TCBN2306X	23G x 6cm



### Precise cutting edge

on the outer cannula  
contributes to a complete,  
intact core specimen

### Echogenic tip

for  
accurate placement  
under ultrasound  
guidance

### Numerically ordered centimeter markings

on the outer cannula provide  
reference for depth placement

### Unique stylet design with a 10cc Luer locking syringe

provides vacuum for specimen  
retention in the outer cannula





## Soft Tissue Biopsy Tray

Our standard soft tissue biopsy tray is designed to provide convenience and the necessary procedural components to perform soft tissue biopsies.

Standard Soft-Tissue Biopsy Tray (Box of 5)	
Tray includes	GUTS1000
25G x 5/8" (1.6cm) Needle	1
21G x 1 1/2" (3.8cm) Needle	1
19G x 1 1/2" (3.8cm) Filter Needle	1
20mL Luer-lock Syringe	1
10mL Luer-lock Syringe	1
5mL Luer-lock Syringe	1
Thumb Scalpel	1
6" Ruler (15.2cm)	1
Pre-labeled Clear Specimen Vials	2
3" x 3" Gauze Pads	5
10% Iodophor PVP Swab Stick	3
1% Lidocaine HCL Ampule (5mL)	1
Label Sheet	1
Fenestrated Drape	1
Towel	2
Bandage	1
Hospital Wrap	1

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96-6500-01/0619B



# Option<sup>TM</sup> ELITE

Retrieval Vena Cava Filter

## Versatility and Proven Safety

### Indicated for:

- Temporary or Permanent placement
- Standard or Over-The-Wire Delivery
- Jugular, Femoral, Antecubital, and Popliteal Access



## > Proven Safety



# Option<sup>TM</sup> ELITE

Retrievable Vena Cava Filter

### Initial Clinical Trial Results (2010) for the Option IVC Filter<sup>1</sup> | 100 Patients

2.0% Migration

0.0% Fractures

1.0% Perforations

3.0% Occlusion

### IVC Filter Performance Data (2012) from Mass General<sup>2</sup> | 165 Patients

0.0% Migration

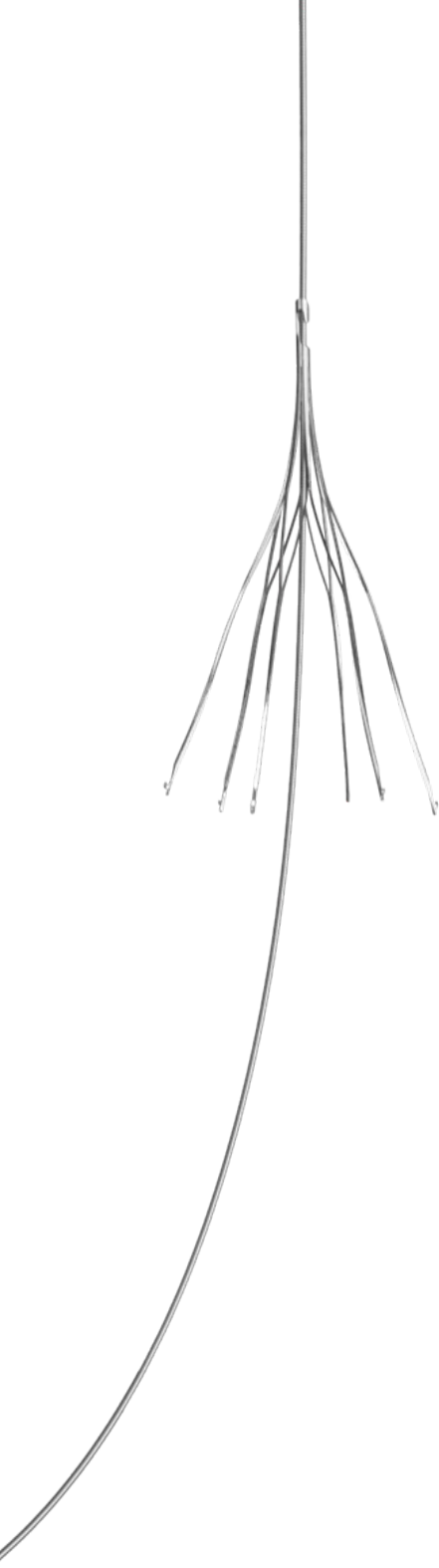
0.0% Fractures

1.2% Perforations

0.6% Occlusion

**Over five years of positive clinical data;  
100% technical and retrieval success  
with 0 fractures and 0 migrations in a  
recent 165-patient study<sup>2</sup>**

1. The Safety and Effectiveness of the Retrievable Option<sup>TM</sup> Vena Cava Filter: A United States, Prospective Multicenter Clinical Study. Matthew S. Johnson, MD, James F. Benenati, MD, John A. Kaufman, MD, et al. J Vasc Interv Radiol 2010; 21:1173-1184  
2. Iqbal SI, Elmi A, Hedgire S, et al. Preliminary Experience With Option Inferior Vena Cava Filter. Vasc and Endo Surg 2012; 47(1) 24-29.



## > Standard or Over-The-Wire Delivery

The only conical retrievable IVC filter cleared by the FDA for over-the-wire delivery

- The unique filter design allows for delivery over a wire  $\leq .035"$  using the standard kit components
- The wire acts as a guide to deploy the filter straight and in the center of the IVC positioning it for easier retrieval
- Over-the-wire delivery provides stability to the apex during deployment for precise and predictable positioning in IVC

## > More Access for Delivery

The only IVC filter cleared by the FDA for delivery via jugular, femoral, antecubital, and popliteal access.

- Save time while providing PE protection during DVT treatment by delivering the OptionELITE via popliteal access to avoid repositioning and redraping the patient

## > For Temporary or Permanent Placement

- Unique anchor and apex design makes retrieval easy when the need for PE protection subsides
- A robust design with an established positive safety profile provides confidence for long-term PE protection

# > Versatile Design

## Robust Construction

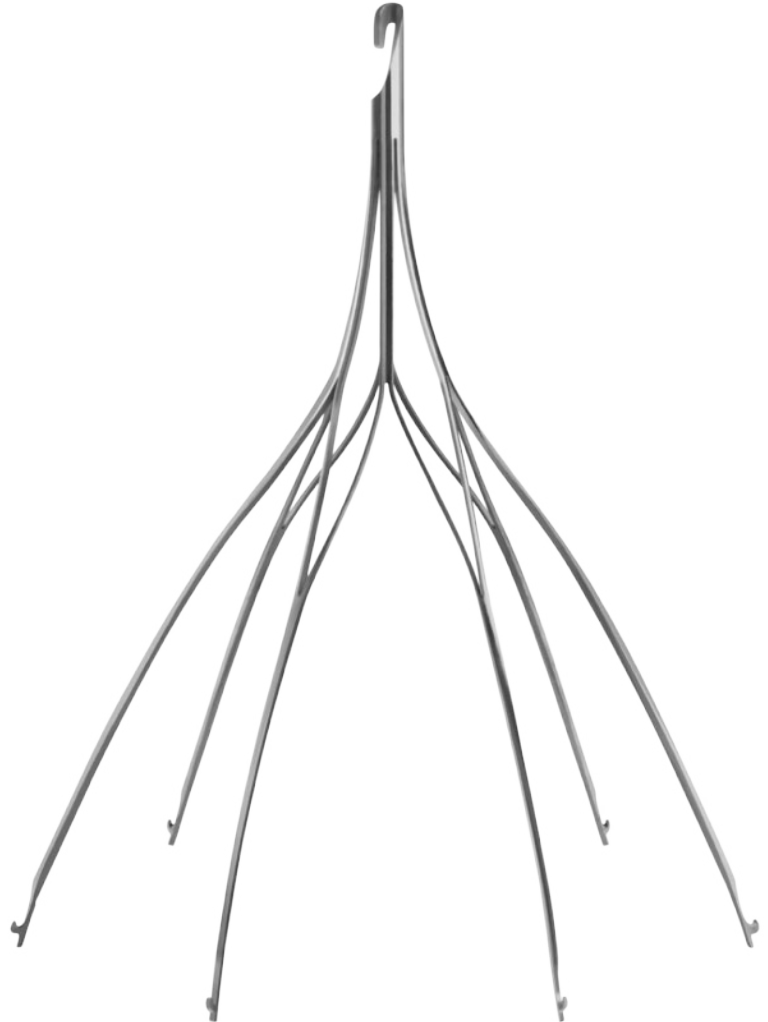
- **Single-piece** design to reduce the risk of fracture caused by bending stress
- Laser-cut from a **nitinol hypotube** to reduce the risk of fracture caused by cyclic stress
- **Electropolished** to improve surface quality and finish

## Stability and Security

- **Curved anchors** for cranial migration prevention
- **Grips** for caudal migration prevention
- **Leg extensions** for perforation prevention
- Provides stability in **cavas up to 30mm** in diameter

## Easy Retrieval

- Snare the body, not just the hook (**transitionless**)
- **Sturdy hook design** that will not deform during retrieval
- **Six retention anchors** for stability in the IVC and ease of retrievability



# > Universal Components

## Delivery Sheath

- Low-profile design with a 5 Fr ID
- Integrated side-port for hand-injections
- Hemostatic valve to prevent bleed-back

## Dilator

- Reference radiopaque markers spaced 32mm apart
- Side holes arranged in a helix for power injections

## Curved Pusher

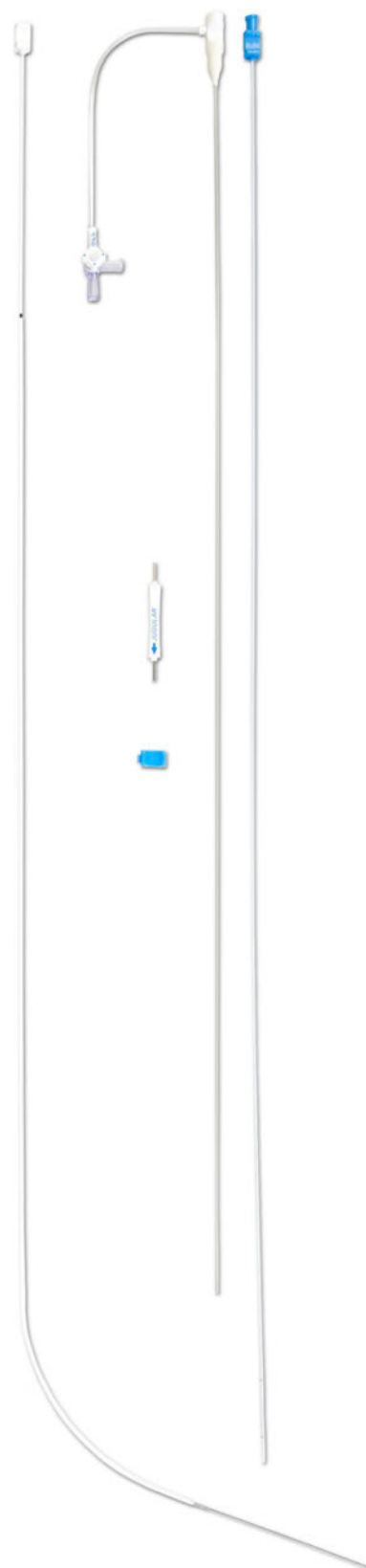
- Aids centering and resists tilt during standard delivery

## Cartridge

- Universal color-coded cartridge for Jugular/Femoral placements

## Valve Cap

- Prevents leaking during post-placement cavagrams



## ORDERING INFORMATION

352506070E OptionELITE Vena Cava Filter System 70 cm Delivery Sheath for Jugular or Femoral Placements

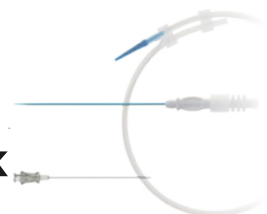
352506100E OptionELITE Vena Cava Filter System 100 cm Delivery Sheath for Antecubital or Popliteal Placements

## > Access

VStick™ Vascular Access Sets include:

- .018" stainless steel or nitinol guidewire with a seamless transition to a floppy tip
- Standard or stiff coaxial introducers with a smooth transition to a 4 Fr or 5 Fr sheath
- 21G Ultra-sharp needle with an echogenic or non-echogenic tip

**V•Stick**



QUANTITY	CATALOG #	SHEATH SIZE	INTRODUCER	GUIDEWIRE	NEEDLE TIP
	391504000E	4Fr	Standard	Stainless Steel	Echogenic
	391504300E	4Fr	Standard	Nitinol	Echogenic
	391504400E	4Fr	Standard	Nitinol	Non-Echogenic
	391504500E	4Fr	Standard	Stainless Steel	Non-Echogenic
	391505000E	5Fr	Standard	Stainless Steel	Echogenic
	391505300E	5Fr	Standard	Nitinol	Echogenic
	391505400E	5Fr	Standard	Nitinol	Non-Echogenic
	391505500E	5Fr	Standard	Stainless Steel	Non-Echogenic
	390204400E	4Fr	Standard	Nitinol	Non-Echogenic (3.8 cm)
	391604000E	4Fr	Stiff	Stainless Steel	Echogenic
	391604300E	4Fr	Stiff	Nitinol	Echogenic
	391604400E	4Fr	Stiff	Nitinol	Non-Echogenic
	391604500E	4Fr	Stiff	Stainless Steel	Non-Echogenic
	391605000E	5Fr	Stiff	Stainless Steel	Echogenic
	391605300E	5Fr	Stiff	Nitinol	Echogenic
	391605400E	5Fr	Stiff	Nitinol	Non-Echogenic
	391605500E	5Fr	Stiff	Stainless Steel	Non-Echogenic

## > Maintain

Maintain vascular access or deliver using the over-the-wire technique, with one of the following guidewires.

QUANTITY	CATALOG #	DESCRIPTION	DIAMETER	LENGTH	TIP	MATERIAL
	395369	Fixed Core with PTFE coating	.035"	260cm	Straight	Stainless Steel
	395370	Fixed Core with PTFE coating	.038"	260cm	Straight	Stainless Steel
	395722	Fixed Core with PTFE coating	.035"	200cm	3mm J-Tip	Stainless Steel
	395794	Fixed Core with PTFE coating	.038"	260cm	3mm J-Tip	Stainless Steel
	395170	Bentson Wire with PTFE coating	.035"	180cm	Straight	Stainless Steel

## > Retrieve

The Atrieve™ Vascular Snare provides:

- 3 independent low-profile loops for complete vessel coverage
- Platinum-stranded loops for excellent fluoroscopic visualization
- Nitinol construction providing 1:1 torque for easy maneuverability

**Atrieve**  
VASCULAR SNARE KIT



QUANTITY	CATALOG #	LOOP DIAMETER	SHAFT LENGTH	DIAMETER	CATHETER SIZE	LENGTH	INNER DIAMETER
	382006020	12-20mm	120cm	0.026in	6 Fr	100cm	0.062in
	382007030	18-30mm	120cm	0.026in	7 Fr	100cm	0.074in
	382007045	27-45mm	120cm	0.026in	7 Fr	100cm	0.074in

**ARGON**  
MEDICAL DEVICES

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