



**ARGON**  
MEDICAL DEVICES

 DUOMED

# Product Catalogue

**Find a Solution. Create a Change. Make a Difference.**



Argon Medical Devices has provided interventional solutions that empower caregivers to deliver exceptional patient outcomes for over 50 years. With 1,100+ employees and partners worldwide, we are a U.S. manufacturer that supports healthcare providers by offering superior vascular and oncology solutions.

Notable global brands include the Option™ ELITE IVC Filter, the Cleaner™ Rotational Thrombectomy System, the BioPince™ Ultra Full Core Biopsy Instrument, and SKATER™ Percutaneous Drainage Catheters.

By utilizing a well-established sales and marketing infrastructure, we serve our global customers through a direct sales organization, long-standing relationships with reputable medical device distributors, and strategic partners.

# Table of Contents

<b>Thrombus Management .....</b>	<b>2</b>	<b>Endomyocardial Biopsy .....</b>	<b>52</b>
Option® ELITE Retrievable Vena Cava Filter .....	4	JAWZ™ Endomyocardial Biopsy (EMB) Forceps .....	54
CLEANER XT® and CLEANER 15® .....		Endomyocardial Biopsy Accessories .....	55
Rotational Thrombectomy Systems .....	6		
Atrieve® Vascular Snare Kit .....	8		
<b>Drainage .....</b>	<b>10</b>	<b>Bone &amp; Bone Marrow Biopsy .....</b>	<b>56</b>
SKATER™ Drainage System .....	12	T-Lok™ Bone Marrow Biopsy Needles .....	58
SKATER™ All-Purpose and .....		Bone Marrow Aspiration Needles .....	59
Nephrostomy Drainage Catheters .....	12	Bone Marrow Harvest Needles .....	59
SKATER™ Mini-Loop Drainage Catheters .....	14	Osty-Core™ Bone Biopsy Needles .....	60
SKATER™ Biliary Drainage Catheters .....	15	Paediatric Bone Marrow Access Needles .....	60
SKATER™ Centesis Catheters .....	16		
SKATER™ Kits .....	17	<b>Men's &amp; Women's Health .....</b>	<b>62</b>
SKATER™ Nephrostomy Kit - Locking Pigtail .....	17	HSG Catheters .....	64
SKATER™ Nephrostomy Kits - Non-Locking Pigtail .....	18	Prostate Stabilization Needles .....	65
SKATER™ Introducer Nephrostomy Kit .....	19	Prostate Seeding Sets .....	65
SKATER™ Introducer Sets .....	20		
Introducer Sheaths/Needles (ISN) .....	22	<b>Introducer Sets &amp; Arterial Needles .....</b>	<b>66</b>
PTC Catheter Needles .....	22	V-Stick™ Vascular Access Sets .....	68
Hawkins™ Blunt Needle Access System .....	23	Axcess™ Percutaneous Introducer Kits .....	69
Access Needles .....	23	OneStic™ Micro-Access Introducer Kits .....	70
SKATER™ Fix Catheter Fixation Device .....	24	Introducer Kits for Venous Applications .....	71
Drainage Bags .....	25	Arterial Needles .....	74
Connecting Tubes, Adapters, and Stopcocks .....	26	Guidewire Introducer Needles .....	75
		Seldinger Needles .....	75
<b>Soft Tissue Biopsy .....</b>	<b>28</b>	<b>Guidewires .....</b>	<b>76</b>
BioPince® Ultra Full Core Biopsy Instrument .....	30	Guidewires - WORKER™ .....	78
BioPince® Full Core Biopsy Instrument .....	32	Worker Amplatz .....	79
TLAB® Transjugular Liver Biopsy System .....	33	Guidewires - Fixed Core J Tip .....	80
Tru-Core™ II Automatic Biopsy Instrument .....	34	Guidewires - Fixed Core Straight .....	81
SuperCore™ Semi-Automatic Biopsy Instrument .....	35	Guidewires - Exchange Wires .....	81
Pro-Mag™ Ultra Automatic Biopsy Instrument .....	36	Lunderquist Stainless Steel Guidewires .....	82
Pro-Mag™ Ultra Biopsy Needles .....	37	POINTER™ Nitinol Guidewire .....	83
ACN™ Biopsy Needles .....	38	Guidewires - Specialty .....	84
UltraCore™ Biopsy Needles .....	39	Guidewires - Movable Core .....	84
MaxiCELL® Biopsy Needles .....	40	.018" Access Wires .....	84
Fine Needle Aspiration (FNA) Biopsy Needles .....	41		
<b>Mammography .....</b>	<b>44</b>	<b>Fluid Management .....</b>	<b>86</b>
Homer BLN .....	46	Manifolds .....	88
Hawkins™ I BLN .....	46	Contrast Media Set Vented Spike .....	88
Hawkins™ II BLN .....	47	High Pressure Injection Lines - 1200psi .....	89
Hawkins™ III BLN .....	48	Waste Management Systems .....	90
Accura™ BLN (Kopans Style) .....	49	Pressure Monitoring Accessories .....	91
Accura™ II BLN (Sadowsky Style) .....	50	Stopcocks .....	92
D Wire BLN .....	50	Monitoring Accessories .....	92
Needle Guides .....	51	Cardiac Output Bridges & Pole Mounted Manifolds .....	93
Galactography Kits .....	51		
		<b>Product Index .....</b>	<b>94</b>
		<b>Contact .....</b>	<b>102</b>



# Thrombus Management

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- **Option® ELITE Retrievable Vena Cava Filter**
- **CLEANER XT® and CLEANER 15® Rotational Thrombectomy Systems**
- **Atrieve® Vascular Snare Kit**



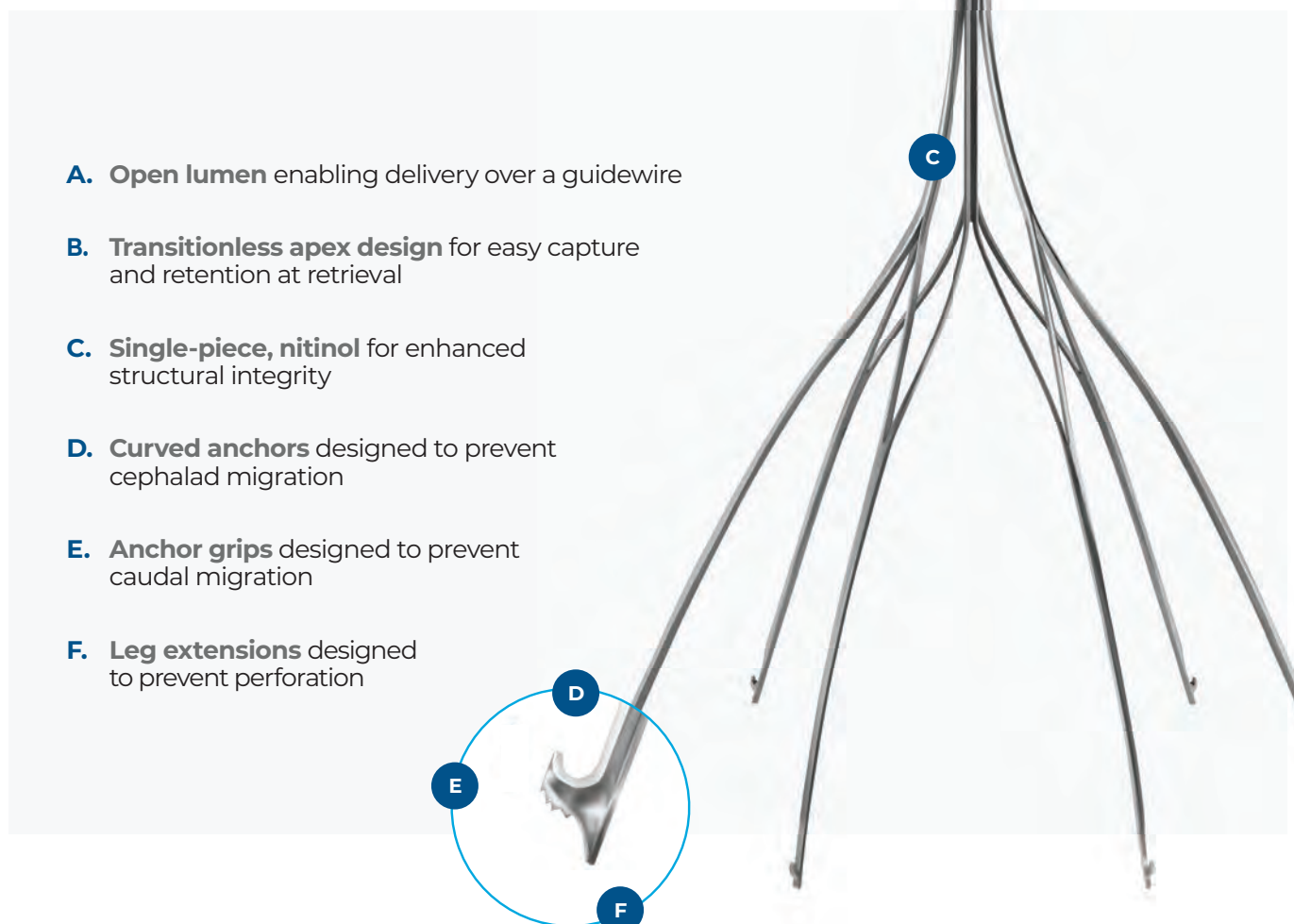
## Option® ELITE Retrievable Vena Cava Filter

### Versatility & Proven Performance

The unique design of the Option ELITE IVC filter offers consistent and proven clinical performance. The filter can be deployed using a standard or over-the-wire technique from antecubital, jugular, femoral, or popliteal access points. Option ELITE can also be retrieved when the patient no longer requires PE protection.

#### Box of 1

Catalogue #	Description	Cava Diameter	Sheath Length	Sheath Size (ID)
352506070E	Femoral or Jugular Access	up to 30mm	70cm	5F
352506100E	Antecubital or Popliteal Access	up to 30mm	100cm	5F



## System Components

### Curved Pusher

**Deployment mark** for alignment during delivery with a standard technique

**Curved pusher** aids centering and resists tilt during standard delivery

### Delivery Sheath

**Hemostatic valve** to prevent bleed back

**Integrated side port** for hand injection

**Universal Colour-coded filter cartridge** for placement via four different access sites

**Valve cap** maintains hemostasis during post-placement cavagrams

**Low-profile design** with a 5 FR ID

### Dilator

**Deployment mark** for alignment during delivery with an over-the-wire technique

**Radiopaque markers** spaced 32mm apart

## CLEANER XT® and CLEANER 15® Rotational Thrombectomy Systems

The only wall-contacting rotational thrombectomy system indicated for mechanical declotting and infusion of physician-approved fluids for use in the peripheral vasculature, native vessel dialysis fistulae, and synthetic dialysis access grafts. CLEANER XT and CLEANER 15 Rotational Thrombectomy Systems are completely disposable and arrive in a single-piece system, available for use immediately.

### CLEANER XT

For greater steerability and effective maceration in smaller lumen vessels



#### Box of 1

Catalogue #	Catheter OD	Length	Sinusoidal Wire Amplitude	Wire Diameter
700009XT	6F	65cm	9mm	.035"
700109XT	6F	135cm	9mm	.035"

### CLEANER 15

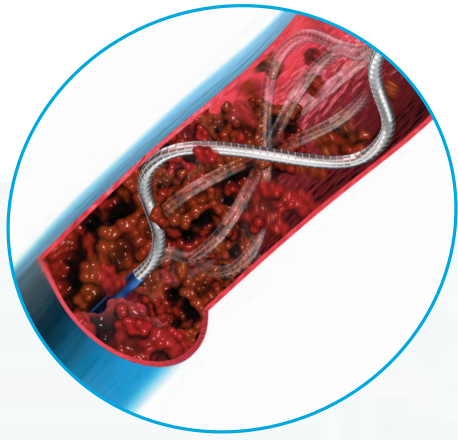
For powerful and effective maceration in larger lumen vessels



#### Box of 1

Catalogue #	Catheter OD	Length	Sinusoidal Wire Amplitude	Wire Diameter
700015	7F	65cm	15mm	.044"
700115	7F	135cm	15mm	.044"





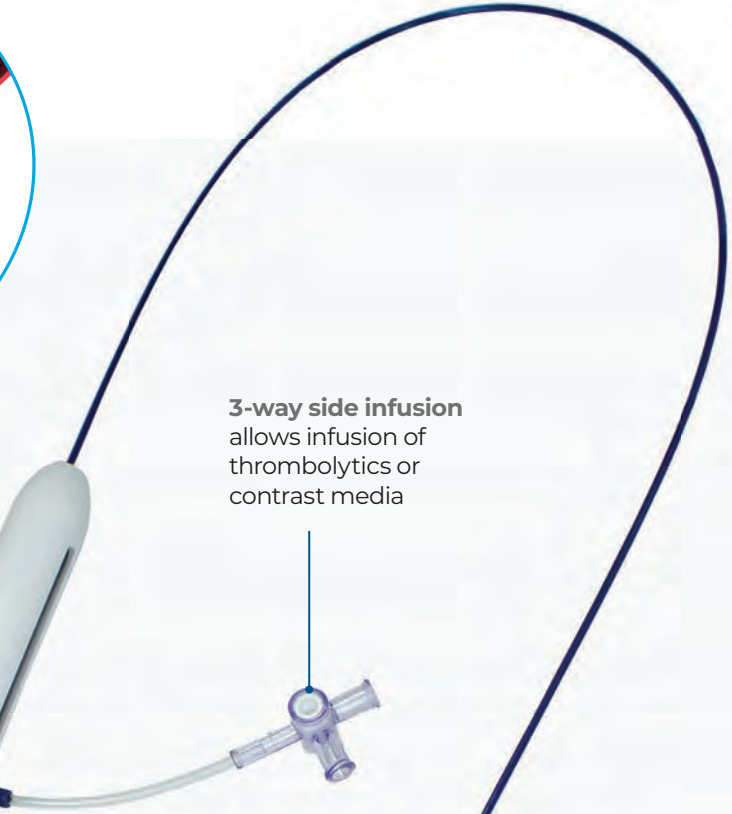
**Sliding lever**  
collapses the  
sinusoidal  
wire for easy  
advancement



**CLEANER 15**

**Maceration  
button**  
activates the  
sinusoidal wire

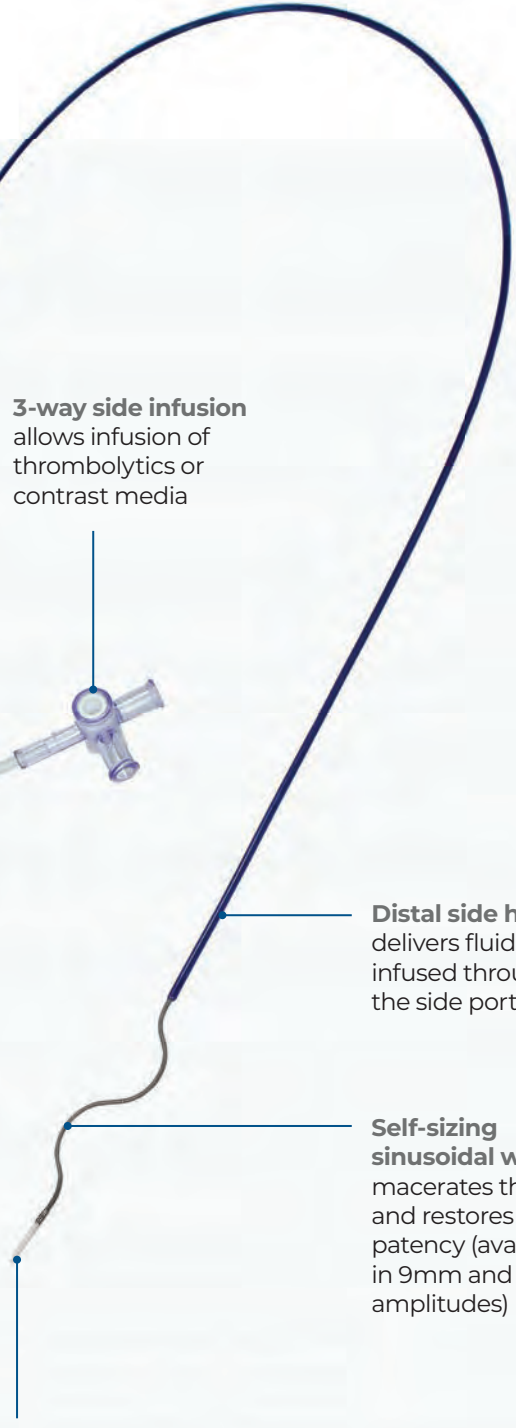
**3-way side infusion**  
allows infusion of  
thrombolytics or  
contrast media



**Distal side hole**  
delivers fluids  
infused through  
the side port

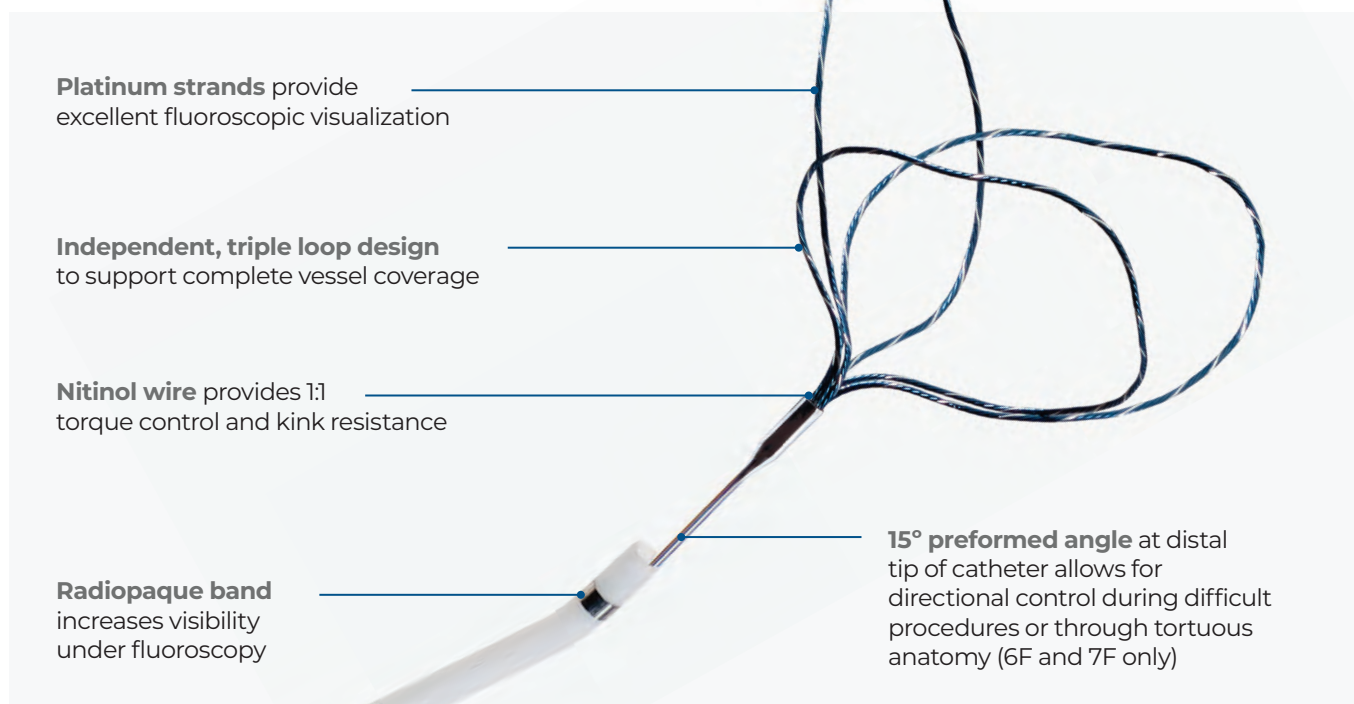
**Self-sizing  
sinusoidal wire**  
macerates thrombus  
and restores vessel  
patency (available  
in 9mm and 15mm  
amplitudes)

**Atraumatic radiopaque tip**  
enables clear visibility  
under fluoroscopy



## Atrieve® Vascular Snare Kit

The Atrieve Vascular Snare Kits are designed with three independent loops to provide a distinct advantage in the manipulation and retrieval of foreign bodies in the cardiovascular system or hollow viscus.



### Box of 1

Catalogue #	Loop Diameter	Snare Length	Catheter Size	Catheter Length
381003004	2-4mm	175cm	3.2F	150cm
381003008	4-8mm	175cm	3.2F	150cm
382006010	6-10mm	120cm	6F	100cm
382006015	9-15mm	120cm	6F	100cm
382006020	12-20mm	120cm	6F	100cm
382007030	18-30mm	120cm	7F	100cm
382007045	27-45mm	120cm	7F	100cm



# Drainage

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- **SKATER™ Drainage System**
  - **SKATER™ All-Purpose and Nephrostomy Drainage Catheters**
  - **SKATER™ Mini-Loop Drainage Catheters**
  - **SKATER™ Biliary Drainage Catheters**
  - **SKATER™ Centesis Catheters**
- **SKATER™ Kits**
  - **SKATER™ Nephrostomy Kit & Introducer Set**
  - **SKATER™ Introducer Sets**
- **Accessories**
  - **Introducer Sheaths/Needles (ISN)**
  - **Access System**
  - **SKATER™ Fix Catheter Fixation Device**
  - **Drainage Bags**
  - **Connectors**





## SKATER™ Drainage System

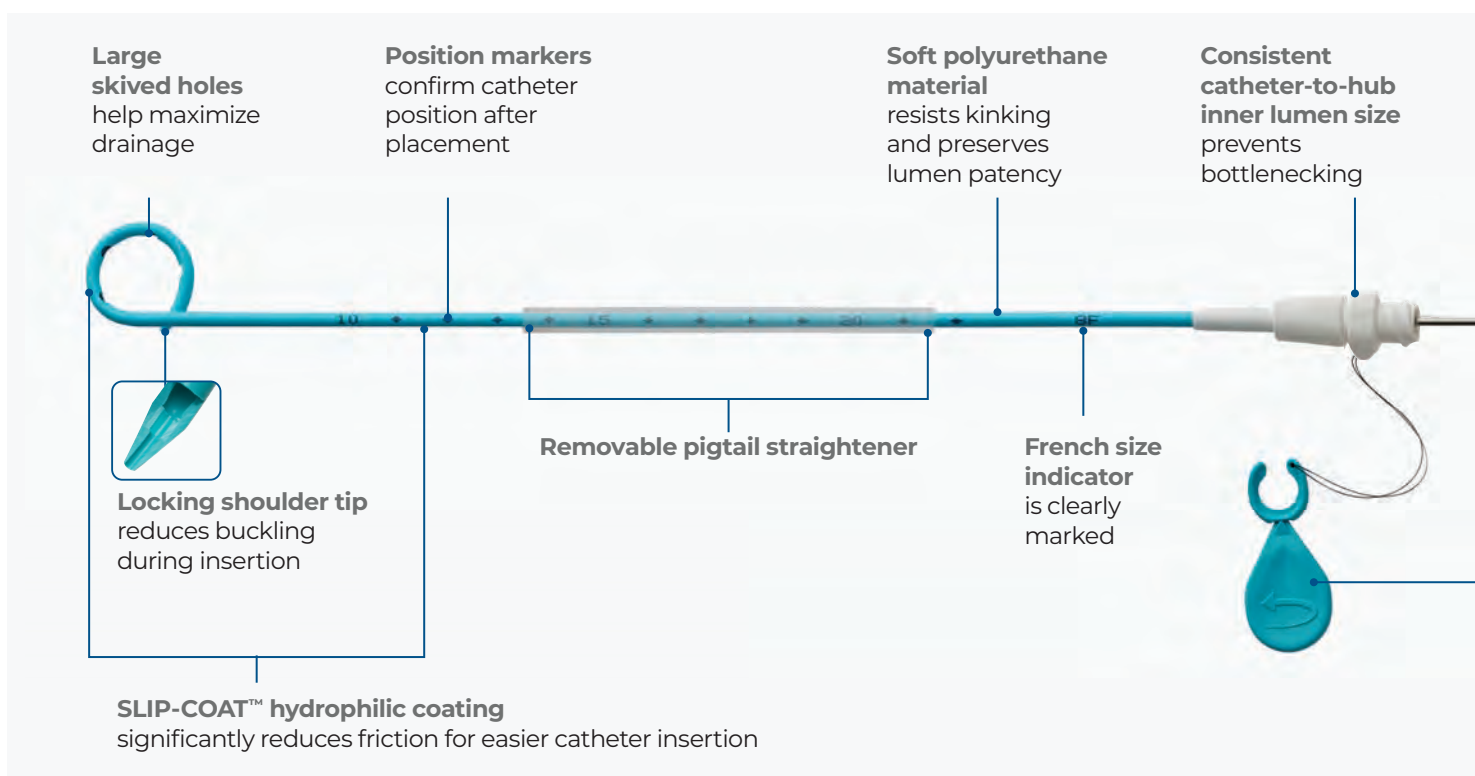
The SKATER Drainage System provides a complete portfolio of drainage catheters and accessories for all-purpose, nephrostomy, biliary, and centesis procedures. SKATER Drainage Catheters are designed to promote maximum drainage flow and patency, minimize kinking, and are formulated for patient comfort, easy insertion, and radiopacity.

### SKATER™ All-Purpose and Nephrostomy Drainage Catheters

SKATER All-Purpose and Nephrostomy Drainage Catheters are suitable for percutaneous drainage of abscesses or fluid collections using the direct stick technique or kidneys using the Seldinger technique. They can be used safely with ethyl alcohol and doxycycline.

#### Each Set Includes:

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



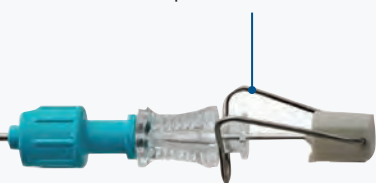
## SKATER All-Purpose and Nephrostomy Drainage Catheters - Non-Locking Pigtail (Box of 5)

Catalogue #	French	Length	Max Guidewire Size	Trocar Stylet
756106015	6F	15cm	.035"	Yes
756106020	6F	20cm	.035"	Yes
756106025	6F	25cm	.035"	Yes
756106035	6F	35cm	.035"	No
756107020	7F	20cm	.035"	Yes
756107025	7F	25cm	.035"	Yes
756107035	7F	35cm	.035"	No
756108020	8F	20cm	.038"	Yes
756108025	8F	25cm	.038"	Yes
756108030	8F	30cm	.038"	Yes
756108035	8F	35cm	.038"	No
756110020	10F	20cm	.038"	Yes
756110025	10F	25cm	.038"	Yes
756110030	10F	30cm	.038"	Yes
756110035	10F	35cm	.038"	No
756112020	12F	20cm	.038"	Yes
756112025	12F	25cm	.038"	Yes
756112035	12F	35cm	.038"	No
756114020	14F	20cm	.038"	Yes
756114025	14F	25cm	.038"	Yes
756114035	14F	35cm	.038"	No
756116025	16F	25cm	.038"	Yes
756116035	16F	35cm	.038"	No

## SKATER All-Purpose and Nephrostomy Drainage Catheters - Locking Pigtail (Box of 5)

Catalogue #	French	Length	Max Guidewire Size	Trocar Stylet
756606015	6F	15cm	.035"	Yes
756606020	6F	20cm	.035"	Yes
756606025	6F	25cm	.035"	Yes
756606035	6F	35cm	.035"	No
756607015	7F	15cm	.035"	Yes
756607020	7F	20cm	.035"	Yes
756607025	7F	25cm	.035"	Yes
756607035	7F	35cm	.035"	No
756608015	8F	15cm	.038"	Yes
756608020	8F	20cm	.038"	Yes
756608025	8F	25cm	.038"	Yes
756608030	8F	30cm	.038"	Yes
756608035	8F	35cm	.038"	No
756608045	8F	45cm	.038"	No
756610015	10F	15cm	.038"	Yes
756610020	10F	20cm	.038"	Yes
756610025	10F	20cm	.038"	Yes
756610030	10F	30cm	.038"	Yes
756610035	10F	35cm	.038"	No
756610045	10F	45cm	.038"	No
756610060	10F	60cm	.038"	No
756612015	12F	15cm	.038"	Yes
756612020	12F	20cm	.038"	Yes
756612025	12F	25cm	.038"	Yes
756612030	12F	30cm	.038"	Yes
756612035	12F	35cm	.038"	No
756612045	12F	45cm	.038"	No
756612060	12F	60cm	.038"	No
756614015	14F	15cm	.038"	Yes
756614020	14F	20cm	.038"	Yes
756614025	14F	25cm	.038"	Yes
756614030	14F	30cm	.038"	Yes
756614035	14F	35cm	.038"	No
756614045	14F	45cm	.038"	No
756614060	14F	60cm	.038"	No
756616025	16F	25cm	.038"	Yes
756616030	16F	30cm	.038"	Yes
756616035	16F	35cm	.038"	No
756616045	16F	45cm	.038"	No
756616060	16F	60cm	.038"	No

**Choice Lock™ trocar stylet** facilitates one-handed placement



**Low profile locking system with snap-off tab** provides patient comfort

## SKATER™ Mini-Loop Drainage Catheters

SKATER Mini-Loop Drainage Catheters are suitable for percutaneous drainage of abscesses or fluid collections in small cavities using the direct stick technique or kidneys using the Seldinger technique. They can be used safely with ethyl alcohol and doxycycline.

### Each Set Includes:

- (1) SKATER catheter
- (1) Removable pigtail straightener
- (1) Metal stylet
- (1) Metal cannula
- (1) Flexible stiffening cannula  
(not available on 6F and 7F)

### SKATER Mini-Loop Drainage Catheters - Locking Pigtail (Box of 5)

Catalogue #	French	Length	Max Guidewire Size
758606015	6F	15cm	.035"
758606020	6F	20cm	.035"
758606025	6F	25cm	.035"
758607015	7F	15cm	.035"
758607025	7F	25cm	.035"
758608015	8F	15cm	.038"
758608025	8F	25cm	.038"
758610015	10F	15cm	.038"
758610025	10F	25cm	.038"
758612015	12F	15cm	.038"
758612025	12F </td <td>25cm</td> <td>.038"</td>	25cm	.038"
758614025	14F	25cm	.038"





## SKATER™ Biliary Drainage Catheters

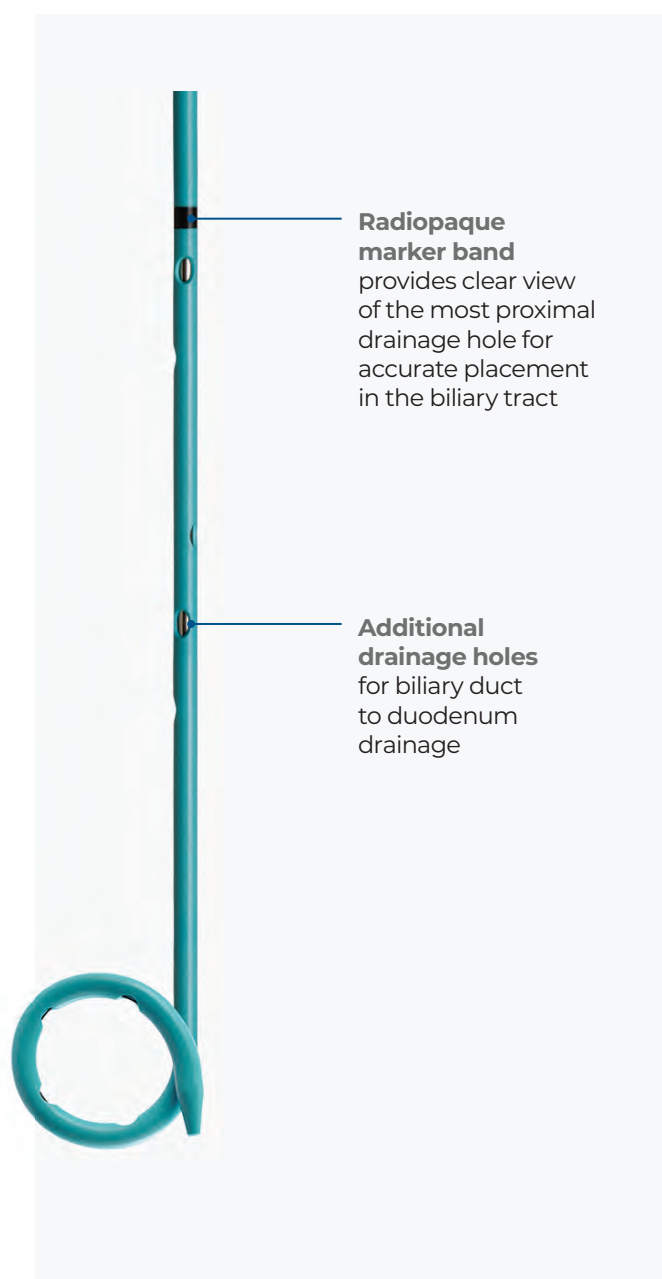
SKATER Biliary Drainage Catheters are used to drain bile from the bile duct and are placed using the Seldinger technique. They can be used safely with ethyl alcohol and doxycycline.

### SKATER Biliary Drainage Catheters - Locking Pigtail (Box of 5)

Catalogue #	French	Length	Max Guidewire Size
755308040	8F	40cm	.038"
755310040	10F	40cm	.038"
755312040	12F	40cm	.038"

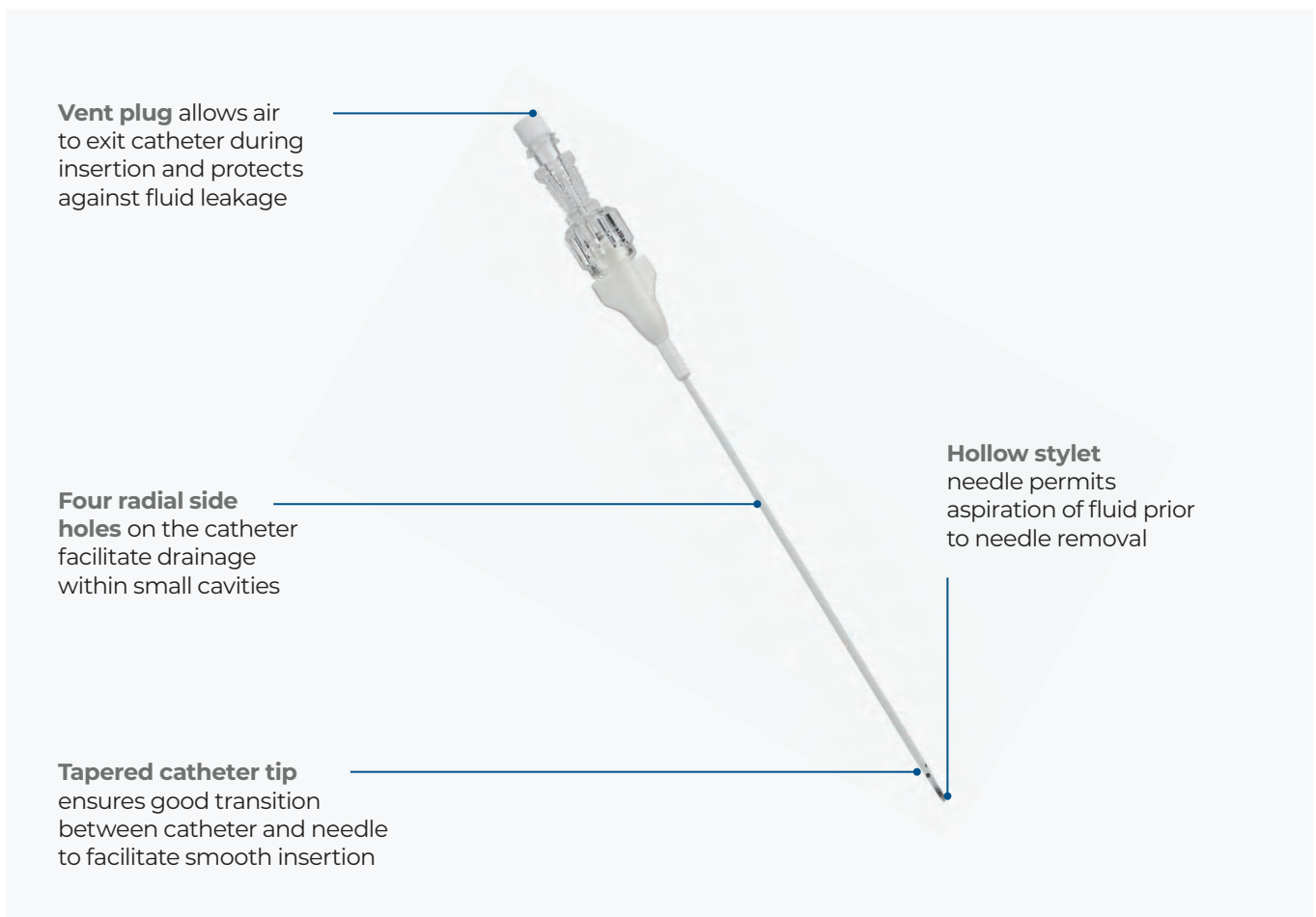
### SKATER Biliary Drainage Catheters - Non-Locking Pigtail (Box of 5)

Catalogue #	French	Length	Max Guidewire Size
755208040	8F	40cm	.038"
755210040	10F	40cm	.038"
755212040	12F	40cm	.038"



## SKATER™ Centesis Catheters

SKATER Centesis Catheters are designed for percutaneous fluid aspirations and small volume drainage procedures.



### Box of 5

Catalogue #	French	Length
700304007	4F	7cm
700304010	4F	10cm
700304015	4F	15cm
700305007	5F	7cm
700305010	5F	10cm
700305015	5F	15cm
700305020	5F	20cm
700405015*	5F	15cm

\*without side holes

## SKATER™ Kits

### SKATER™ Nephrostomy Kit - Locking Pigtail

18G puncture needle with stylet provides quick access for the strong, flexible, and smooth WORKER™ Amplatz wire. SKATER Nephrostomy catheter with locking pigtail, and with metal or flexible stiffening cannulae. SLIP-COAT hydrophilic coating at the distal tip for easy insertion. Large lumen and large oval drainage holes designed for maximal drainage capacity.

#### Box of 5

Catalogue #	Description
757306600	6F Set, 18G x 15cm puncture needle with stylet, .035" x 90cm Amplatz guidewire, 6F dilator, 6F x 35cm SKATER Nephrostomy catheter, male/funnel connection for drainage bag
757306700	6F Set, 22G x 20cm chiba needle, 18F x 15cm puncture needle with stylet, .035" x 90cm Amplatz guidewire, 6F dilator, 6F x 35cm SKATER Nephrostomy catheter, male/funnel connection for drainage bag
757307000	7F Set, 18G x 15cm puncture needle with stylet, .035" x 90cm Amplatz guidewire, 6F and 7F dilators, 7F x 35cm SKATER Nephrostomy catheter
757308000	8F Set, 18G x 15cm puncture needle with stylet, .035" x 90cm Amplatz guidewire, 6F and 8F dilators, 8F x 35cm SKATER Nephrostomy catheter
757308600	8F Set, 18G x 15cm puncture needle with stylet, .035" x 90cm Amplatz guidewire, 6F and 8F dilators, 8F x 35cm SKATER Nephrostomy catheter, male/funnel connection for drainage bag
757308700	8F Set, 22G x 20cm chiba needle, 18G x 15cm puncture needle with stylet, .035" x 90cm Amplatz guidewire, 6F and 8F dilators, 8F x 35cm SKATER Nephrostomy catheter, male/funnel connection for drainage bag
757310000	10F Set, 18G x 15cm puncture needle with stylet, .035" x 90cm Amplatz guidewire, 6F, 8F, and 10F dilators, 10F x 35cm SKATER Nephrostomy catheter
757312000	12F Set, 18G x 15cm puncture needle with stylet, .035" x 90cm Amplatz guidewire, 6F, 8F, 10F, and 12F dilators, 12F x 35cm SKATER Nephrostomy catheter
757314700	14F Set, 22G x 20cm chiba needle, 18G x 15cm puncture needle with stylet, .035" x 90cm Amplatz guidewire, 6F, 8F, 10F, 12F, and 14F dilators, 14F x 35cm SKATER Nephrostomy catheter, male/funnel connection for drainage bag

## SKATER™ Nephrostomy Kits - Non-Locking Pigtail

18G puncture needle with stylet provides quick access for the strong, flexible, and smooth WORKER™ Amplatz wire. SKATER Nephrostomy catheter with non-locking pigtail, and with metal or flexible stiffening cannulae. SLIP-COAT hydrophilic coating at the distal tip for easy insertion. Large lumen and large oval drainage holes designed for maximal drainage capacity.

### Box of 5

Catalogue #	Description
750308000	8F Set, 18G x 15cm puncture needle with stylet, .035" x 90cm Amplatz guidewire, 6F and 8F dilators, 8F x 35cm SKATER Nephrostomy catheter
750308100	8F Set, 18F x 15cm puncture needle with stylet, .035" x 100cm 3mm J HD guidewire, 6F and 8F dilators, 8F x 35cm SKATER Nephrostomy catheter
750310000	10F Set, 18G x 15cm puncture needle with stylet, .035" x 90cm Amplatz guidewire, 6F, 8F, and 10F dilators, 10F x 35cm SKATER Nephrostomy catheter
750312000	12F Set, 18G x 15cm puncture needle with stylet, .035" x 90cm Amplatz guidewire, 6F, 8F, 10F and 12F dilators, 12F x 35cm SKATER Nephrostomy catheter
750314000	14F Set, 18G x 15cm puncture needle with stylet, .035" x 90cm Amplatz guidewire, 6F, 8F, 10F, 12F and 14F dilators, 14F x 35cm SKATER Nephrostomy catheter



## SKATER™ Introducer Nephrostomy Kit

Fine needle puncture with 21G trocar needle, .018" Access guidewire of either stainless steel or nitinol, and 6 French co-axial dilator provides atraumatic placement of .035" Amplatz guidewire. SKATER Nephrostomy catheter with locking pigtail, and with metal or flexible stiffening cannulae. Large oval drainage holes and large lumen are designed for maximal drainage capacity. Soft polyurethane for optimal kink-resistance and perfect configuration memory.

### Box of 5

Catalogue #	Description
767308300	8F Set, 21G x 15cm trocar needle, .018" x 80cm nitinol access wire, 6F x 18cm coaxial dilator, .035" x 90cm Amplatz guidewire, 8F x 20cm dilator, 8F x 35cm SKATER Nephrostomy catheter with locking pigtail
767310000	10F Set, 21G x 15cm trocar needle, .018" x 80cm stainless steel access wire, 6F x 18cm coaxial dilator, .035" x 90cm Amplatz guidewire, 8F and 10F dilators, 10F x 35cm SKATER Nephrostomy catheter with locking pigtail

## SKATER™ Introducer Biliary Drainage Kit with locking pigtail

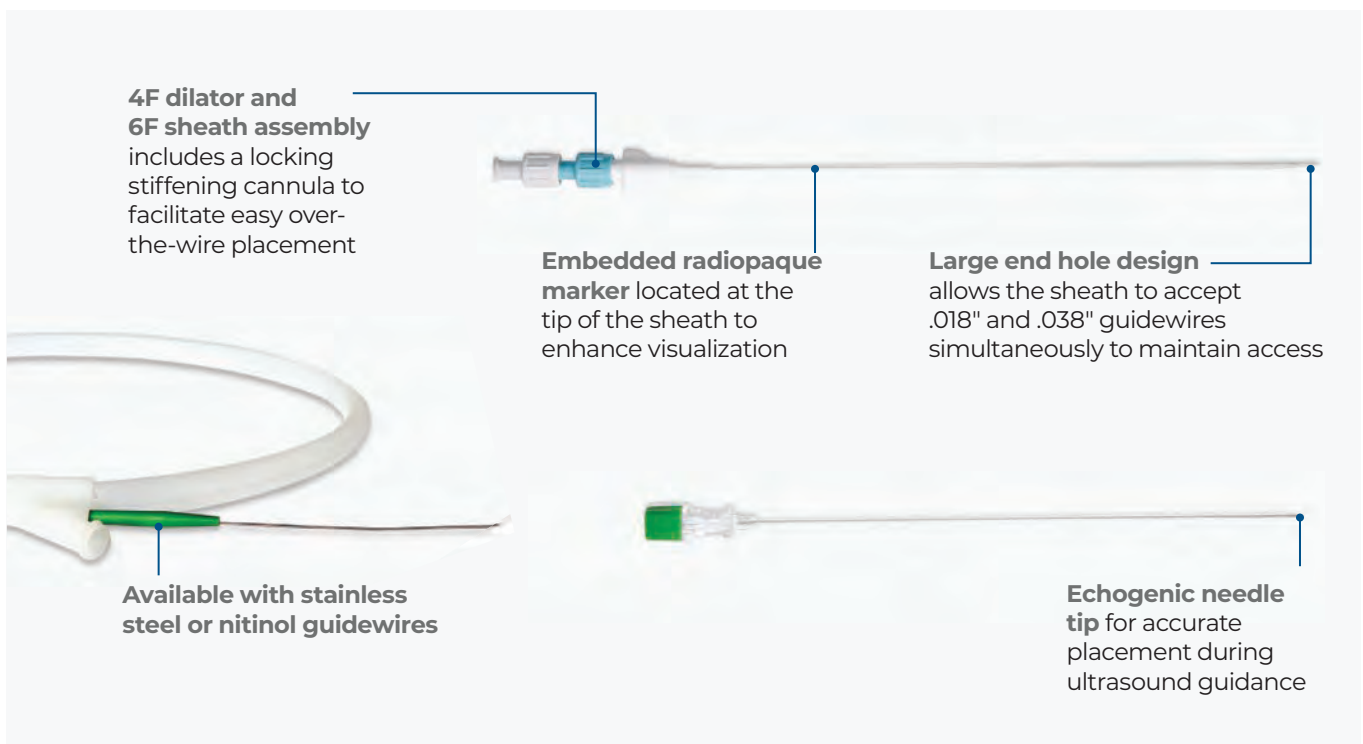
Fine needle puncture with 21G trocar needle, .018" Access guidewire of either stainless steel or nitinol, and 6 French co-axial dilator provides atraumatic placement of .035" Amplatz guidewire. SKATER Biliary catheter with locking pigtail, and with metal or flexible stiffening cannulae. Large oval drainage holes and large lumen are designed for maximal drainage capacity. Soft polyurethane for optimal kink-resistance and perfect configuration memory.

### Box of 5

Catalogue #	Description
765308300	8F Set, 21G x 15cm trocar needle, .018" x 80cm NT access wire, 6F x 26cm co-axial dilator, .035" x 150cm Amplatz guidewire, 8F x 20cm dilator, 8F x 40cm SKATER Biliary catheter with locking pigtail, Skin Fix™ for connecting tubes
765310300	10F Set, 21G x 15cm trocar needle, .018" x 80cm NT access wire, 6F x 26cm co-axial dilator, .035" x 150cm Amplatz guidewire, 8F x 20cm and 10F x 20cm dilator, 10F x 40cm SKATER Biliary catheter with locking pigtail, Skin Fix for connecting tubes

## SKATER™ Introducer Sets

The SKATER Introducer Set provides easy, accurate, and atraumatic placement of a .035"/.038" guidewire in non-vascular procedures. Embedded radiopaque marker enhances visualisation 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 both .018" and .035"/.038" guidewires simultaneously. Available with a stainless steel or nitinol .018" guidewire.



### SKATER Introducer Sets for Introduction of .035" or .038" guidewire (Box of 5)

Catalogue #	Description
651506000	4F dilator/6F x 18cm coaxial introducer, .018" x 80cm stainless steel access guidewire with radiopaque tip, 21G x 15cm trocar needle
651506300	4F dilator/6F x 18cm coaxial introducer, .018" x 80cm nitinol access guidewire with radiopaque tip, 21G x 15cm trocar needle
655506000	4F dilator/6F x 18cm coaxial introducer, .018" x 80cm stainless steel access guidewire with radiopaque tip, 21G x 15cm chiba needle
655506300	4F dilator/6F x 18cm coaxial introducer, .018" x 80cm nitinol access guidewire with radiopaque tip, 21G x 15cm chiba needle

### SKATER Introducer Set - Biliary Access for Introduction of .035" or .038" guidewire (Box of 5)

Catalogue #	Description
655406300	Biliary Access Set, 21G x 15cm chiba needle, .018" x 80cm nitinol access guidewire, 6F x 26cm coaxial dilator

### SKATER Introducer Set - Complete (Box of 5)

Catalogue #	Description
654506200	Set, 21G x 15cm trocar needle, .018" x 80cm nitinol access guidewire, 6F x 18cm coaxial dilator, .035" x 150cm Amplatz GW

### SKATER Introducer (Box of 5)

Catalogue #	Description
655006020	6F x 18cm coaxial dilator (no other components)

### SKATER Introducer Set - Complete (Box of 1)

Catalogue #	Description
692806700	6F x 18cm coaxial dilator, 7F x 20cm dilator, 22G x 15cm chiba needle, .035" x 100cm 3mm J HD guidewire, .018" x 80cm nitinol access guidewire
692806800	6F x 18cm coaxial dilator, 8F x 20cm dilator, 22G x 15cm chiba needle, .035" x 100cm 3mm J HD guidewire, .018" x 80cm nitinol access guidewire

## Introducer Sheaths/Needles (ISN)

The ISN quickly and smoothly provides access for placement of up to a .038" guidewire in non-vascular procedures.

### Box of 10

Catalogue #	Gauge	Length	Sheath	Max Guidewire Size
ISN1915	19G	15cm	5F	.038"
ISN1920	19G	20cm	5F	.038"

## PTC Catheter Needles

Sheathed radiopaque needle appropriate for second puncture site in biliary drainage procedures, contrast injection, pathfinding and guidewire exchange. Polyethylene with smooth surface for easy insertion.

### Box of 10

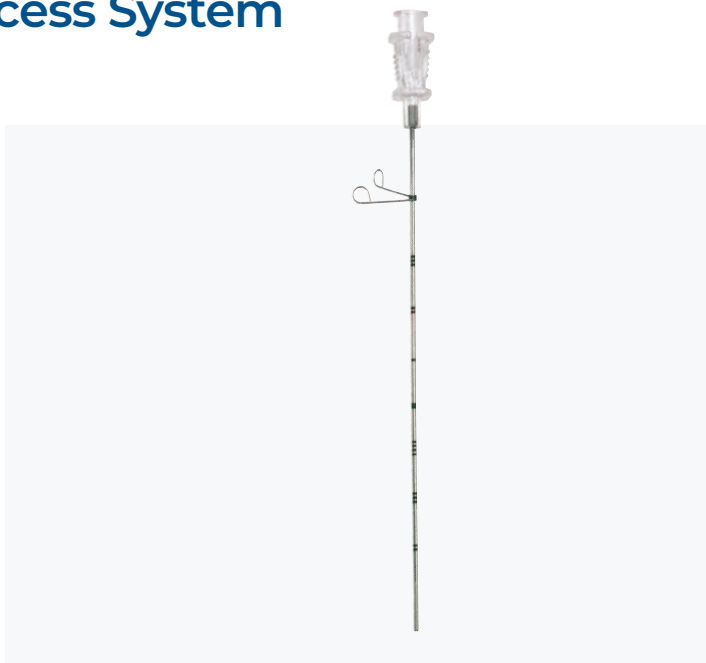
Catalogue #	Sheath	Length	Max Guidewire Size
601305025	5F	25cm	.038"

## Hawkins™ Blunt Needle Access System

Hawkins Blunt Needles offer sharp and blunt stylets for controlled access in percutaneous drainage procedures.

### Box of 5

Catalogue #	Gauge	Length
216057	16G	5cm
216107	16G	10cm
216157	16G	15cm
218057	18G	5cm
218107	18G	10cm
218157	18G	15cm
218207	18G	20cm



## Access Needles

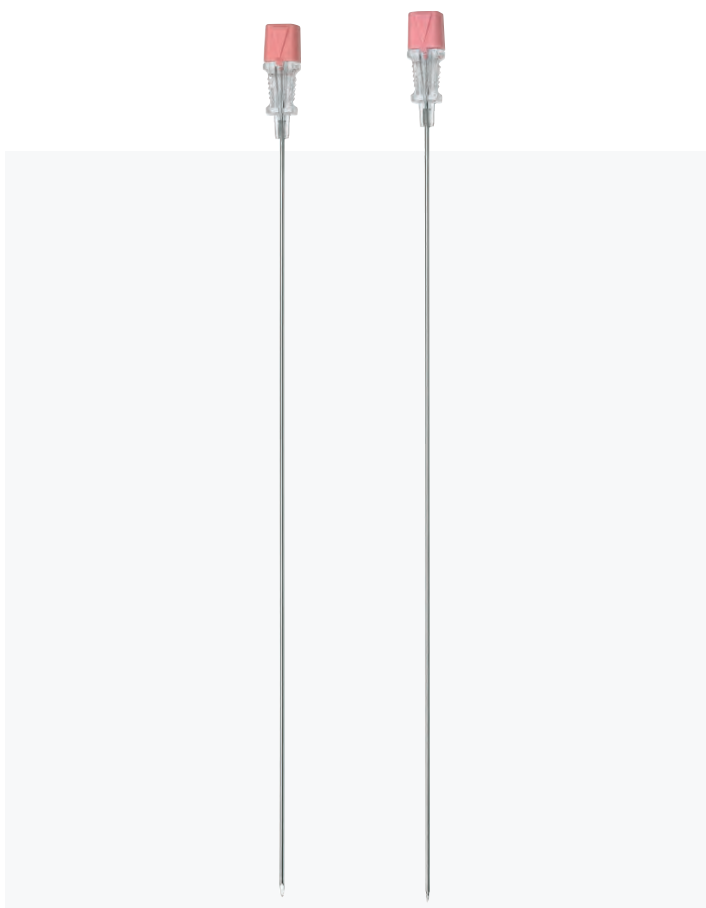
Stainless steel puncture needle with stylet and extra thin wall for maximum internal diameter.

### Trocar Style (Box of 10)

Catalogue #	Gauge	Length	Max Guidewire Size
500718015	18G	15cm	.035"
500718020	18G	20cm	.035"

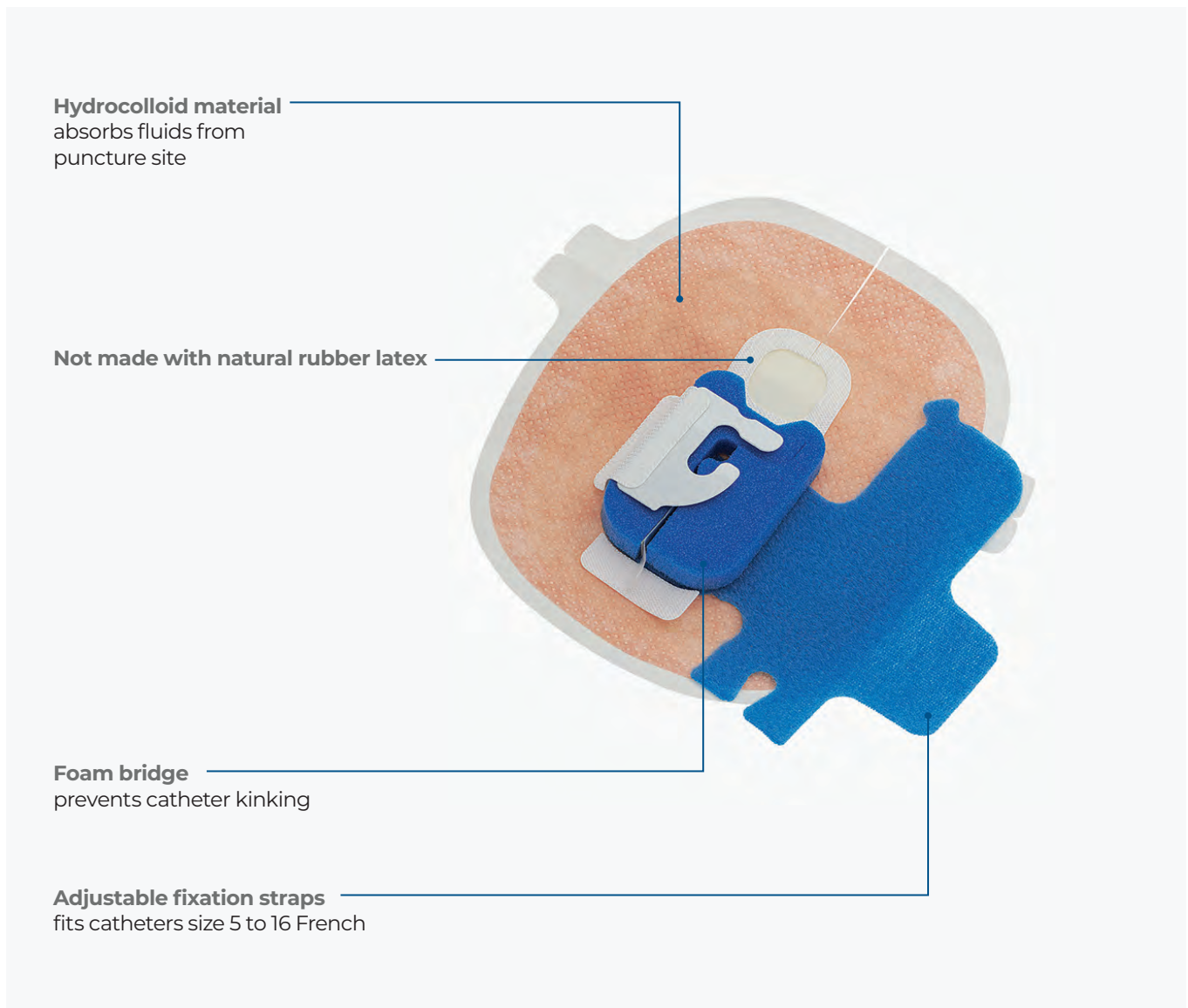
### Stainless Steel Puncture Needle with Stylet (box of 10)

Catalogue #	Gauge	Length	Max Guidewire Size
500918015	18G	15cm	.038"
500918033	18G	33cm	.038"
500921015	21GA	15cm	.018"
500911020	22GA	20cm	.018"
500922025	22GA	25cm	.018"



## SKATER™ Fix Catheter Fixation Device

SKATER Fix Catheter Fixation Device provides suture-free anchoring of percutaneous drainage catheters. It is designed to stop catheter migration and movement and to secure catheter to patient for up to 7 days.



### Box of 25

Catalogue #	Description
802500001	SKATER™ Fix Catheter Fixation Device



## Drainage Bags

Drainage bags are designed for efficient fluid collection during abscess, nephrostomy, biliary and other drainage procedures

### 600ml sterile drainage bag

- 75cm of kink - resistant, adjustable tubing which can be cut to size
- 1 velcro adjustable waist or leg strap per bag
- Twist type valve
- Anti-reflux valve to prevent retrograde contamination



### 350ml sterile drainage bag

- "T" - tap outlet which allows it to be connected to an overnight drainage bag without breaking the closed system
- To be used with a male to male connecting tube
- No velcro strap



### Box of 20

Catalogue #	Description
DBAG600	600mL drainage, with adjustable drain tube length
850007350	350 ml drainage bag Female connection

## Connecting Tubes, Adapters, and Stopcocks

We offer a wide range of connecting tubes for all types of drainage bags. The connecting tubes are available with or without stopcocks. Flexible, kink-resistant tubing; clinical versatility.

### Box of 25

Catalogue #	Description	Catalogue #	Description
401012010	10cm Female-Male Luer Lock	404040015	15cm male - male luer-lock
401012025	25cm Female -Male Luer Lock	404040030	30cm male - male luer-lock
401012050	50cm Female - Male Luer Lock	404043015	15cm male-3-way stopcock/male luer-lock
401012080	80cm Female - Male Luer Lock	404043030	30cm male-3-way stopcock/male luer-lock
401013025	25cm 1-way stopcock/Female-Male	404343015	15cm male luer-lock /3-way stopcock - funnel
401013050	50cm 1- way stopcock/ Female-Male	404343030	30cm male luer-lock /3-way stopcock - funnel
401013080	80cm 1-way stopcock/ Female-Male	404743015	15cm male luer-lock - olive
403943015	15cm female-olive	801100103	3-way stopcock - low pressure, max pressure 50 psi
404017015	15cm male-funnel		
404017030	30cm male-funnel		
404018015	15cm one-way stopcock/male-funnel		
404018030	30cm one-way stopcock/ male-funnel		
404022000	Male/three-way stopcock/funnel 6cm		
404024000	Male/funnel 6cm		

### Connecting Tubes - Low Pressure (Box of 10)

Catalogue #	Description
802020000	Female/olive with stopper
802021000	Male/olive with stopper



404743



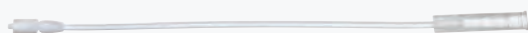
404040



403943



404043



404017



404343



404022



404024

# Soft Tissue Biopsy

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- **BioPince® Ultra Full Core Biopsy Instrument**
- **BioPince® Full Core Biopsy Instrument**
- **TLAB® Transjugular Liver Biopsy System**
- **Tru-Core™ II Automatic Biopsy Instrument**
- **SuperCore™ Semi-Automatic Biopsy Instrument**
- **Pro-Mag™ Ultra Automatic Biopsy Instrument**
- **Pro-Mag™ Ultra Biopsy Needles**
- **ACN™ Biopsy Needles**
- **UltraCore™ Biopsy Needles**
- **MaxiCELL™ Biopsy Needles**
- **Fine Needle Aspiration (FNA) Biopsy Needles**







## BioPince® Ultra Full Core Biopsy Instrument

BioPince Ultra Full Core Biopsy Instrument utilizes our triaxial core, cut, and capture system to harvest full, cylindrical diagnostic-quality specimens while reducing the risk of crush artifact and tissue fragmentation.

**A. Triaxial core, cut, and capture system** harvests diagnostic-quality specimens

**B. Centimeter markings** provide reference for placement depth

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

**C. Throw length adjuster** adapts to the procedure needs

**D. Safety switch** provides option to lock device until ready for use *(opposite side of device)*

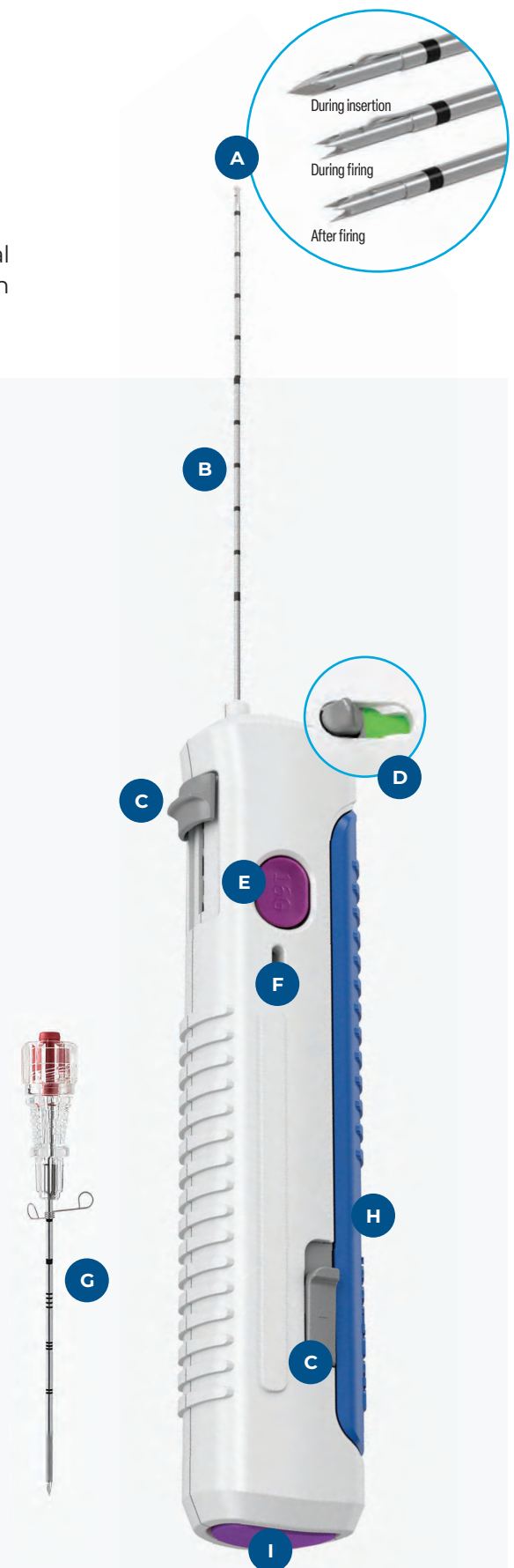
**E. Forward trigger** for flexibility in approach

**F. Green 'ready' indicator**

**G. Optional\* - echogenic coaxial introducer needle**

**H. Cocking lever**

**I. Colour-coded rear trigger** for gauge identification



### BioPince Ultra Full Core Biopsy Device (Box of 5)

Catalogue #	Gauge	Length	Coaxial (optional)
370-1080-02	16G	10cm	MCXS1610BP or MCXS1610BPU
370-1580-02	16G	15cm	MCXS1615BP or MCXS1615BPU
360-1080-02	18G	10cm	MCXS1810BP or MCXS1810BPU
360-1580-02	18G	15cm	MCXS1815BP or MCXS1815BPU
360-2080-02	18G	20cm	MCXS1820BP or MCXS1820BPU

### BioPince Ultra Full Core Biopsy Device w/Coaxial Introducer Needle (Box of 5)

Catalogue #	Gauge	Length	Coaxial Needle
370-1080-03	16G	10cm	14G x 6.8cm
370-1580-03	16G	15cm	14G x 11.8cm
360-1080-03	18G	10cm	17G x 6.8cm
360-1580-03	18G	15cm	17G x 11.8cm
360-2080-03	18G	20cm	17G x 16.8cm

### Echogenic Coaxial Introducer Needles (Sold Separately) (Box of 5)

Catalogue #	Gauge	Length	Compatible Device
MCXS1610BPU	14G	6.8cm	370-1080-02
MCXS1615BPU	14G	11.8cm	370-1580-02
MCXS1610BP	15G	6.8cm	370-1080-02
MCXS1615BP	15G	11.8cm	370-1580-02
MCXS1810BPU	16G	6.8cm	360-1080-02
MCXS1815BPU	16G	11.8cm	360-1580-02
MCXS1820BPU	16G	16.8cm	360-2080-02
MCXS1810BP	17G	6.8cm	360-1080-02
MCXS1815BP	17G	11.8cm	360-1580-02
MCXS1820BP	17G	16.8cm	360-2080-02

## BioPince® Full Core Biopsy Instrument

BioPince Full Core Biopsy Instrument utilizes our triaxial 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.

### 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



- A. Colour-coded trigger** for gauge identification
- B. Safety button** allows locking the device until ready to use
- C. Ready to fire indicator**
- D. Easy specimen retrieval** expels sample when device is re-cocked
- E. Variable throw lengths** enhance clinical flexibility

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

- F. Numerically ordered centimeter markings** provide reference for depth placement
- G. \*Optional - Echogenic coaxial introducer needle** allows for flexibility in approach

<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.

### BioPince Full Core Biopsy Instrument (Box of 5)

Catalogue #	Gauge	Length	Coaxial (Optional)
370-1080-01	16G	10cm	MCXS1610BP or MCXS1610BPU
370-1580-01	16G	15cm	MCXS1615BP or MCXS1615BPU
360-1080-01	18G	10cm	MCXS1810BP or MCXS1810BPU
360-1580-01	18G	15cm	MCXS1815BP or MCXS1815BPU
360-2080-01	18G	20cm	MCXS1820BP or MCXS1820BPU

# TLAB<sup>®</sup> Transjugular Liver Biopsy System

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

**A. Patented Flexcore<sup>®</sup> technology** helps the needle conform to the curvature of the sheath, easily navigate, and collect samples at typical or acute angles



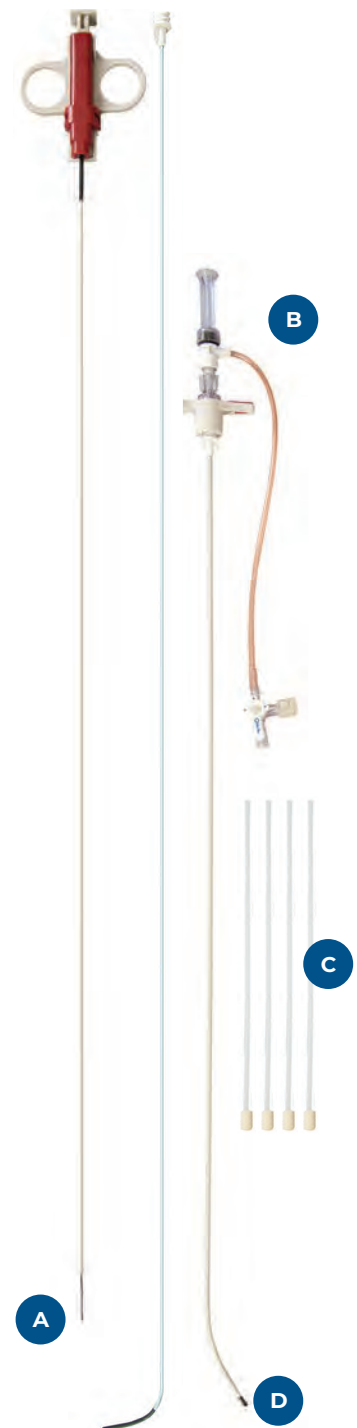
**B. Safety funnel** for quick and easy loading and reloading of the needle into the sheath while reducing the risk of an inadvertent needle stick



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

**D. Tru-Track<sup>™</sup> 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>2</sup>

<sup>2</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



## TLAB Kit Contents (Box of 1)

Catalogue #	Gauge	Sheath with Metal Stiffener	Straight Catheter	Curved Catheter	Swabs
TL-18C	18G	7F, 60cm	5F, 65cm	5F, 80cm	4
TL-18N	18G	7F, 60cm			4
TL-19	19G	7F, 60cm	5F, 65cm	5F, 80cm	4
TL-19N	19G	7F, 60CM			4

## 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 light weight make it equally ideal for CT guided core biopsies.

### Tru-Core II Automatic Biopsy Instrument (Box of 10)

Catalogue #	Gauge	Length	Coaxial Optional
763114100X	14G	10cm	MCXS1410TX
763114160X	14G	16cm	MCXS1416TX
763114200X	14G	20cm	
763116100X	16G	10cm	MCXS1610TX
763116160X	16G	16cm	MCXS1616TX
763116200X	16G	20cm	
763118100X	18G	10cm	MCXS1810TX
763118160X	18G	16cm	MCXS1816TX
763118200X	18G	20cm	MCXS1820TX
763120100X	20G	10cm	MCXS2010TY
763120160X	20G	16cm	MCXS2016TY
763120200X	20G	20cm	

### Echogenic Coaxial Introducer Needles (Sold Separately) (Box of 10)

Catalogue #	Gauge	Length	Compatible Device
MCXS1410TX	13G	5.1cm	763114100X
MCXS1416TX	13G	11.1cm	763114160X
MCXS1610TX	15G	5.1cm	763116100X
MCXS1616TX	15G	11.1cm	763116160X
MCXS1810TX	17G	5.1cm	763118100X
MCXS1816TX	17G	11.1cm	763118160X
MCXS1820TX	17G	15.1cm	763118200X
MCXS2010TY	19G	5.4cm	763120100X
MCXS2016TY	19G	11.4cm	763120160X

### Tru-Core II URO Automatic Biopsy Instrument (Box of 10)

Catalogue #	Gauge	Length
763418200X	18G	20cm
763418250X	18G	25cm

**Echogenic tip** for visualization under ultrasound guidance

**22mm throw with a 19mm sample notch** for visualization under ultrasound guidance

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



**Optional echogenic coaxial introducer needles**



# 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; e.g., an ultrasound probe.

## SuperCore Semi-Automatic Biopsy Instrument (Box of 10)

Catalogue #	Gauge	Length	Coaxial Optional
701114060	14G	6cm	
701114090	14G	9cm	MCXS1409LX
701114150	14G	15cm	MCXS1415LX
701114200	14G	20cm	MCXS1420LX
701116060	16G	6cm	
701116090	16G	9cm	MCXS1609LX
701116150	16G	15cm	MCXS1615LX
701116200	16G	20cm	
701118060	18G	6cm	
701118090	18G	9cm	MCXS1809LX
701118150	18G	15cm	MCXS1815LX
701118200	18G	20cm	MCXS1820LX
701120060	20G	6cm	
701120090	20G	9cm	MCXS2009LY
701120150	20G	15cm	MCXS2015LY
701120200	20G	20cm	MCXS2020LY

## SuperCore Semi-Automatic Biopsy Instrument Packaged w/Echogenic Coaxial Introducer Needle (Box of 10)

Catalogue #	Gauge	Length	Coaxial
701214090	14G	9cm	13G x 3.9cm
701214150	14G	15cm	13G x 9.9cm
701214200	14G	20cm	13G x 14.9cm
701216090	16G	9cm	15G x 3.9cm
701216150	16G	15cm	15G x 9.9cm
701216200	16G	20cm	15G x 14.9cm
701218090	18G	9cm	17G x 3.9cm
701218150	18G	15cm	17G x 9.9cm
701218200	18G	20cm	17G x 14.9cm
701220090	20G	9cm	19G x 4.2cm
701220150	20G	15cm	19G x 10.2cm
701220200	20G	20cm	19G x 15.2cm

## Echogenic Coaxial Introducer Needles (Sold Separately) (Box of 10)

Catalogue #	Gauge	Length	Compatible Device
MCXS1409LX	13G	3.9cm	701114090
MCXS1415LX	13G	9.9cm	701114150
MCXS1420LX	13G	14.9cm	701114200
MCXS1609LX	15G	3.9cm	701116090
MCXS1615LX	15G	9.9cm	701116150
MCXS1809LX	17G	3.9cm	701118090
MCXS1815LX	17G	9.9cm	701118150
MCXS1820LX	17G	14.9cm	701118200
MCXS2009LY	19G	4.2cm	701120090
MCXS2015LY	19G	10.2cm	701120150
MCXS2020LY	19G	15.2cm	701120200

Colour-coded trigger for accurate gauge identification

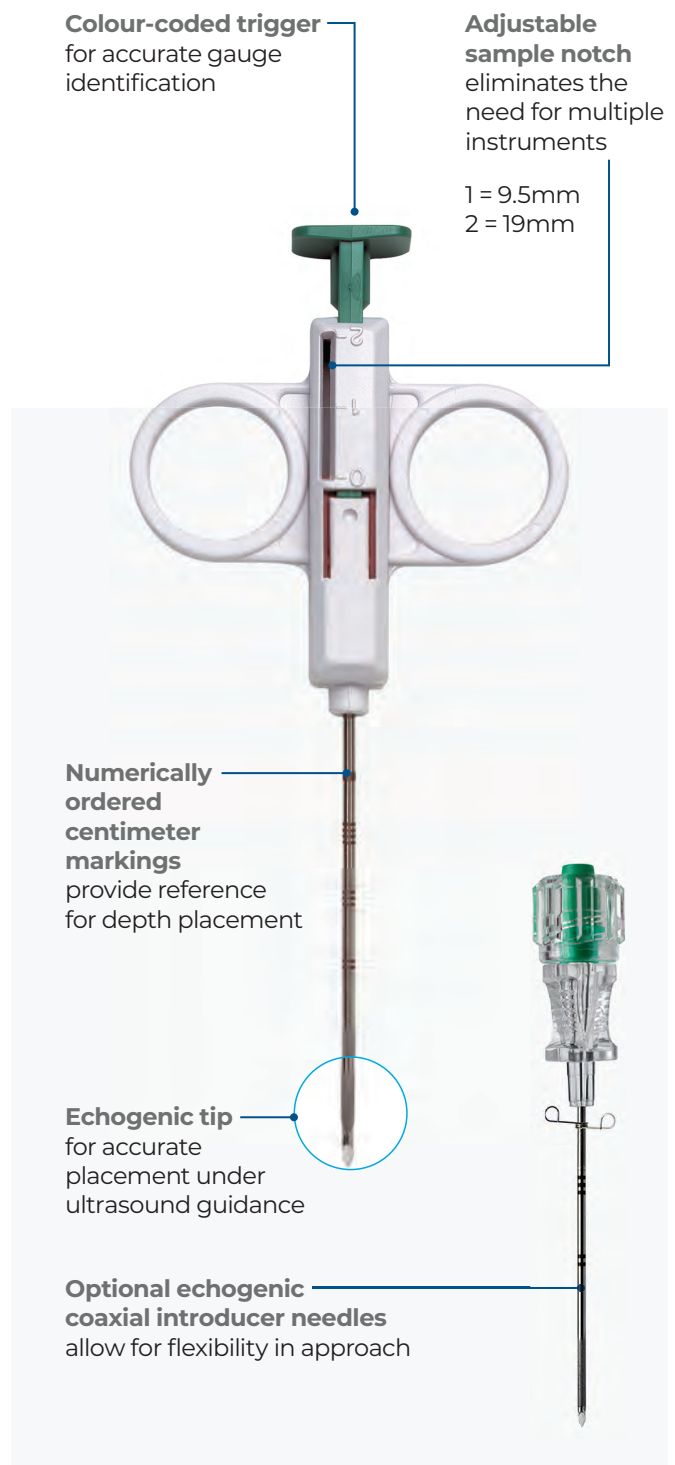
Adjustable sample notch eliminates the need for multiple instruments

1 = 9.5mm  
2 = 19mm

Numerically ordered centimeter markings provide reference for depth placement

Echogenic tip for accurate placement under ultrasound guidance

Optional echogenic coaxial introducer needles allow 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.

### Box of 1

Catalogue #	Description	Throw Length
7675	Pro-Mag Ultra Automatic Biopsy Instrument	25mm
7676	Pro-Mag Ultra Short Throw Automatic Biopsy Instrument	14mm
7677	Pro-Mag Ultra 2.2 Automatic Biopsy Instrument	22mm

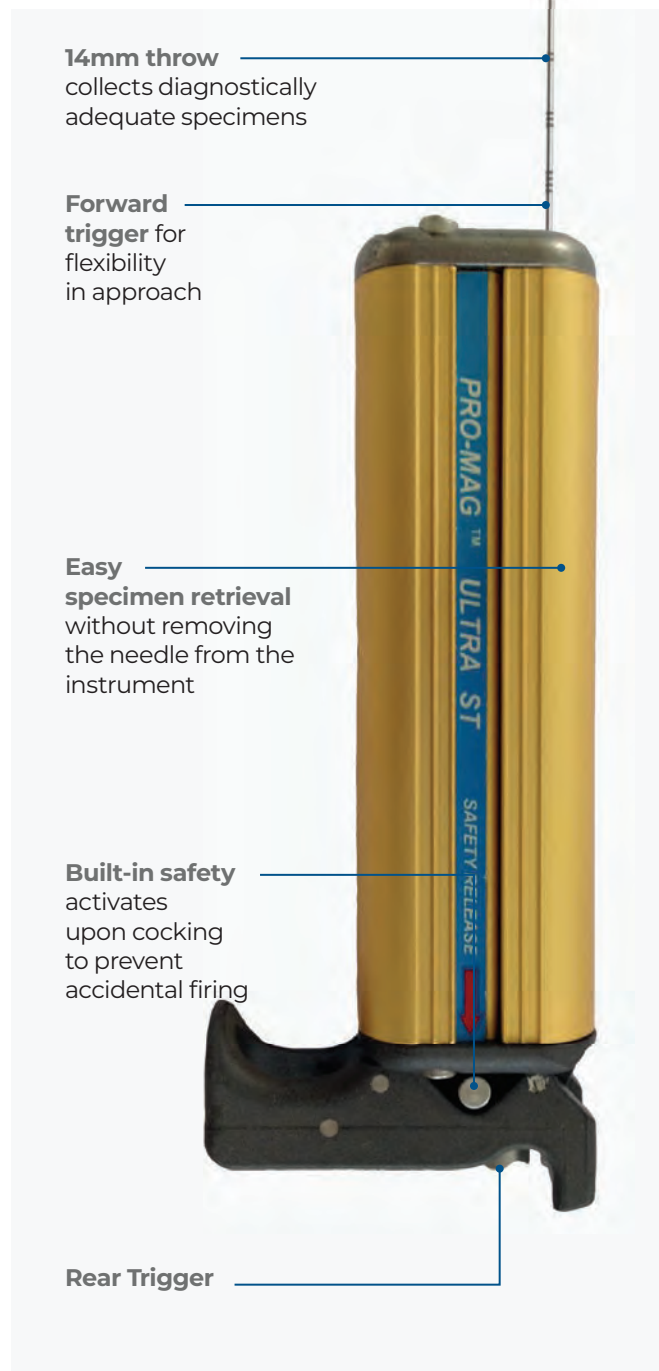
### Pro-Mag Ultra “Short Throw” Echogenic Biopsy Needles (Box of 10)

Catalogue #	Gauge	Length	Coaxial Optional
765114080	14G	8cm	MCXS1408SX
765114120	14G	12cm	MCXS1412SX
765116080	16G	8cm	MCXS1608SX
765116120	16G	12cm	MCXS1612SX
765118080	18G	8cm	MCXS1808SX
765118120	18G	12cm	MCXS1812SX
765118160	18G	16cm	

### Optional Echogenic Coaxial Introducer Needles (Box of 10)

Catalogue #	Gauge	Length	Compatible Device
MCXS1408SX	13G	3.5cm	765114080
MCXS1412SX	13G	7.5cm	765114120
MCXS1608SX	15G	3.5cm	765116080
MCXS1612SX	15G	7.5cm	765116120
MCXS1808SX	17G	3.5cm	765118080
MCXS1812SX	17G	7.5cm	765118120

### 7676 Pro-Mag Ultra ST Automatic Biopsy Instrument



**14mm throw** — collects diagnostically adequate specimens

**Forward trigger** for flexibility in approach

**Easy specimen retrieval** without removing the needle from the instrument

**Built-in safety** activates upon cocking to prevent accidental firing

**Rear Trigger**

## Pro-Mag™ Ultra Biopsy Needles

Pro-Mag Ultra Biopsy Needles are especially designed for use with the Pro-Mag Ultra Automatic Biopsy Instrument (7675). High-quality core biopsy needles provide histological specimens for diagnosis of suspect lesions.

### Pro-Mag Ultra Echogenic Biopsy Needles (Box of 10)

Catalogue #	Gauge	Length	Coaxial Optional
765014100	14G	10cm	MCXS1410AX
765014120	14G	12cm	
765014160	14G	16cm	MCXS1416AX
765014200	14G	20cm	
765016100	16G	10cm	MCXS1610AX
765016160	16G	16cm	MCXS1616AX
765016200	16G	20cm	
765016250	16G	25cm	
765018100	18G	10cm	MCXS1810AX
765018160	18G	16cm	MCXS1816AX
765018200	18G	20cm	MCXS1820AX
765018250	18G	25cm	
765018300	18G	30cm	
765020100	20G	10cm	MCXS2010AY
765020160	20G	16cm	MCXS2016AY

### Echogenic Coaxial Introducer Needles (Sold Separately) (Box of 10)

Catalogue #	Gauge	Length	Compatible Device
MCXS1410AX	13G	4.6cm	765014100
MCXS1416AX	13G	10.6cm	765014160
MCXS1610AX	15G	4.6cm	765016100
MCXS1616AX	15G	10.6cm	765016160
MCXS1810AX	17G	4.6cm	765018100
MCXS1816AX	17G	10.6cm	765018160
MCXS1820AX	17G	14.6cm	765018200
MCXS2010AY	19G	4.9cm	765020100
MCXS2016AY	19G	10.9cm	765020160



## ACN™ Biopsy Needles

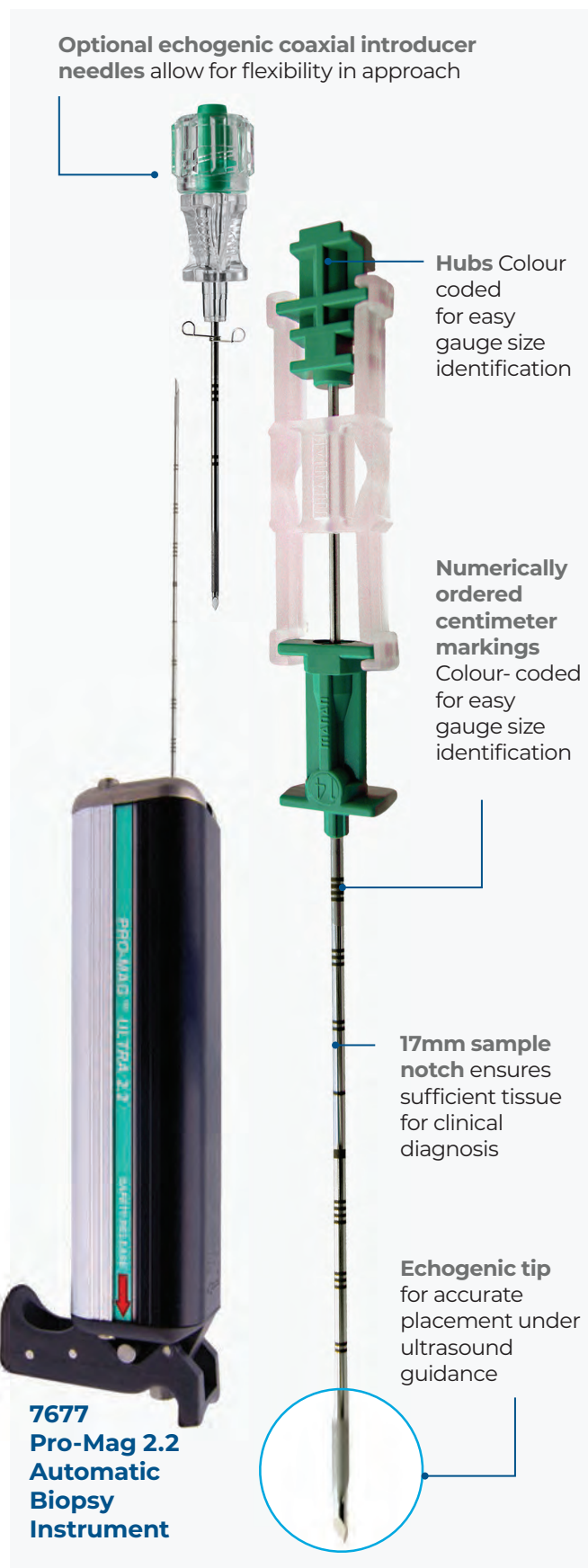
The ACN Biopsy Needle is to be used in conjunction with the Pro-Mag™ 2.2 Automatic Biopsy Instrument (7677) or other compatible, commercially available biopsy instruments. High-quality core biopsy needles provide histological specimens for diagnosis of suspect lesions.

### ACN Biopsy Needles (Box of 10) For use w/the Pro-Mag 2.2 Automatic Biopsy Instrument

Catalogue #	Gauge	Length	Coaxial Optional
ACN1410MF	14G	10cm	MCXS1410AX
ACN1412MF	14G	12cm	
ACN1416MF	14G	16cm	MCXS1416AX
ACN1610MF	16G	10cm	MCXS1610AX
ACN1616MF	16G	16cm	MCXS1616AX
ACN1620MF	16G	20cm	
ACN1810MF	18G	10cm	MCXS1810AX
ACN1816MF	18G	16cm	MCXS1816AX
ACN1820MF	18G	20cm	MCXS1820AX
ACN1825MF	18G	25cm	

### Echogenic Coaxial Introducer Needles (Sold Separately) (Box of 10)

Catalogue #	Gauge	Length	Compatible Device
MCXS1410AX	13G	4.6cm	ACN1410MF
MCXS1416AX	13G	10.6cm	ACN1416MF
MCXS1610AX	15G	4.6cm	ACN1610MF
MCXS1616AX	15G	10.6cm	ACN1616MF
MCXS1810AX	17G	4.6cm	ACN1810MF
MCXS1816AX	17G	10.6cm	ACN1816MF
MCXS1820AX	17G	14.6cm	ACN1820MF



# UltraCore™ Biopsy Needles

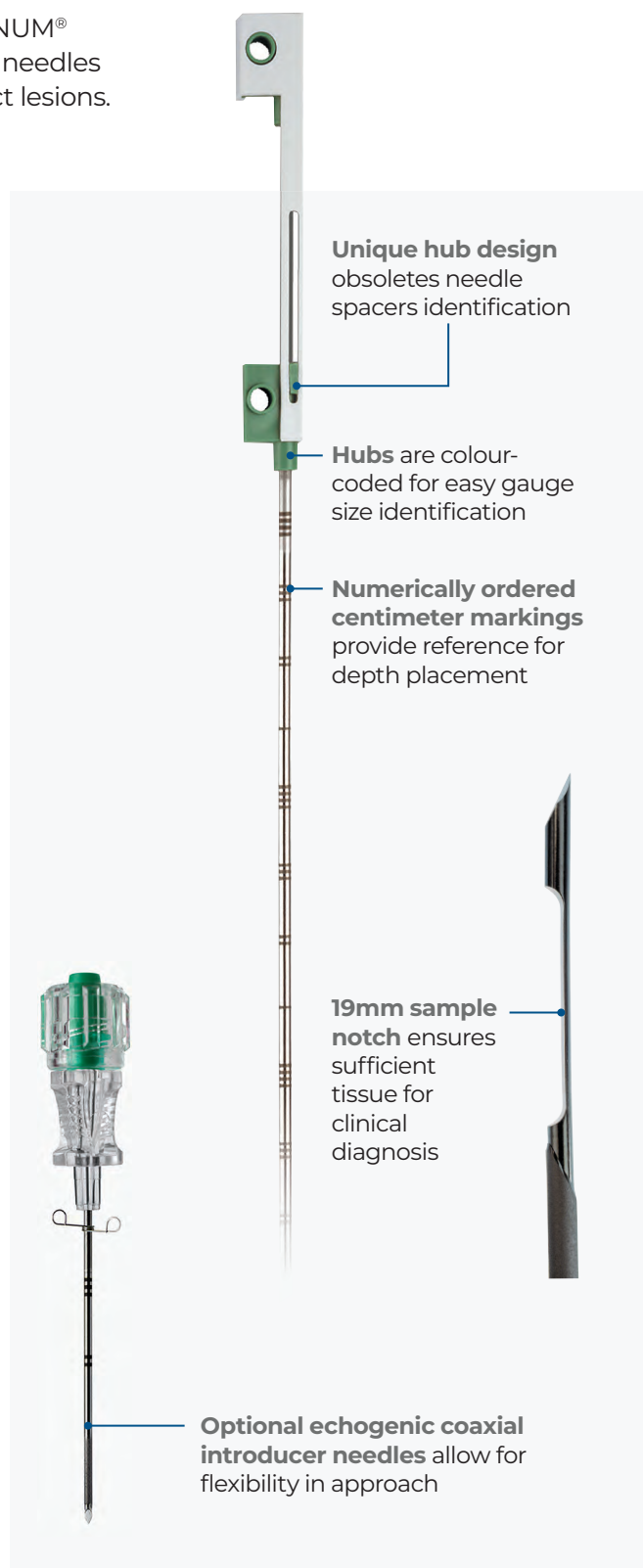
UltraCore Biopsy Needles are for use with Bard® MAGNUM® and BIP Biopsy Instruments. High-quality core biopsy needles provide histological specimens for diagnosis of suspect lesions.

## UltraCore Biopsy Needles (Box of 10)

Catalogue #	Gauge	Length	Coaxial Optional
762614100	14G	10cm	MCXS1410MX
762614130	14G	13cm	
762614160	14G	16cm	MCXS1416MX
762616100	16G	10cm	MCXS1610MX
762616130	16G	13cm	
762616160	16G	16cm	MCXS1616MX
762616200	16G	20cm	
762618100	18G	10cm	MCXS1810MX
762618130	18G	13cm	
762618160	18G	16cm	MCXS1816MX
762618200	18G </td <td>20cm</td> <td>MCXS1820MX</td>	20cm	MCXS1820MX
762618250	18G	25cm	
762618300	18G	30cm	

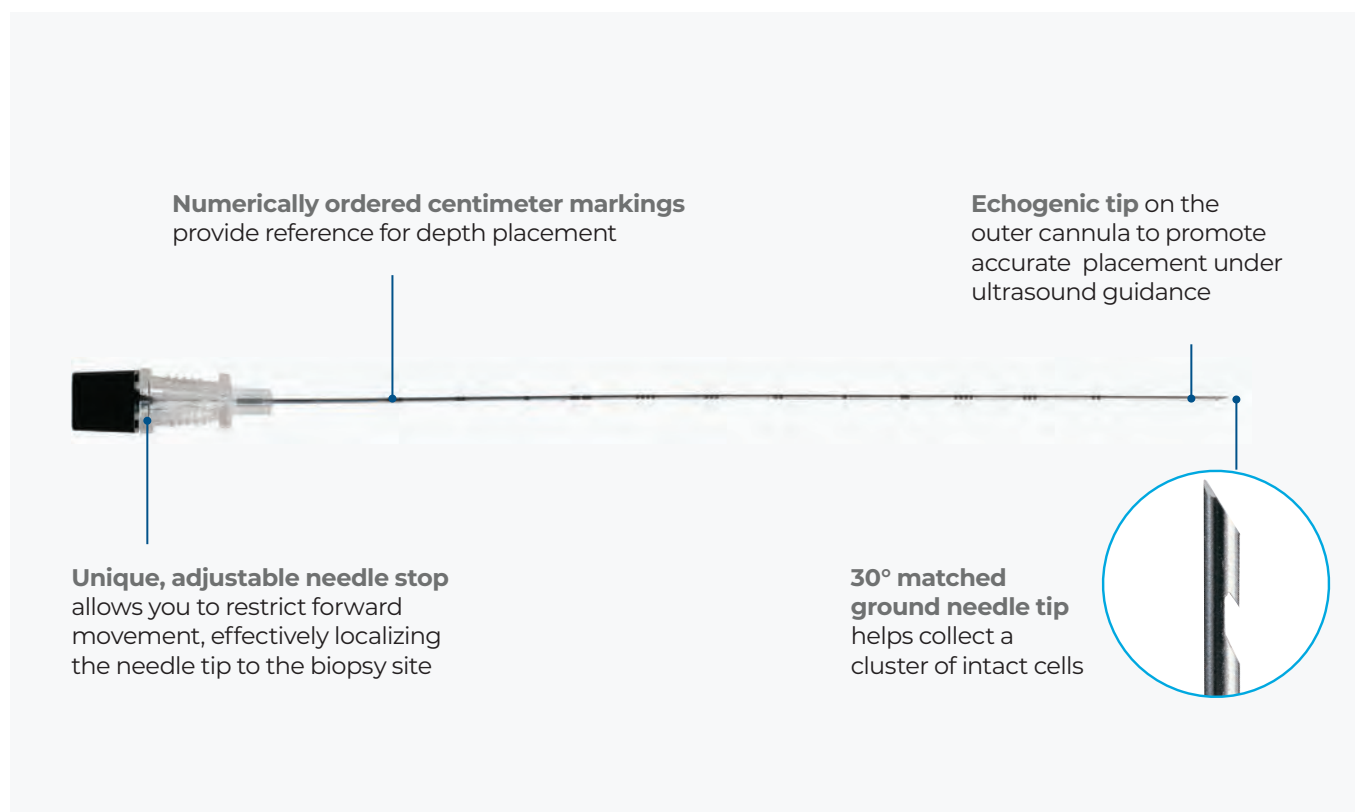
## Echogenic Coaxial Introducer Needles (Sold Separately) (Box of 10)

Catalogue #	Gauge	Length	Compatible Device
MCXS1410MX	13G	4.3cm	762614100
MCXS1416MX	13G	10.3cm	762614160
MCXS1610MX	15G	4.3cm	762616100
MCXS1616MX	15G	10.3cm	762616160
MCXS1810MX	17G	4.3cm	762618100
MCXS1816MX	17G	10.3cm	762618160
MCXS1820MX	17G	14.3cm	762618200



## MaxiCELL® Biopsy Needles

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



### Box of 10

Catalogue #	Gauge	Length	Echogenic Tip	Coaxial (Included)
MMC2203	22G	9cm	No	
MMC2206	22G	15cm	No	
MMC2202US	22G	5cm	Yes	
MMC2203US	22G	9cm	Yes	
MMC2206US	22G	15cm	Yes	
MMCI2203US	22G	9cm	No	19G x 5cm with echogenic tip
MMCI2206US	22G	15cm	No	19G x 11.4cm with echogenic tip



## Fine Needle Aspiration (FNA) Biopsy Needles

Our traditional FNA biopsy needles aspirate for cytological evaluations.

### Chiba Biopsy Needles (Box of 10)

Catalogue #	Gauge	Length	Echogenic Tip
MCN1803	18G	9cm	No
MCN1803US	18G	9cm	Yes
MCN1806	18G	15cm	No
MCN1806US	18G	15cm	Yes
MCN1808	18G	20cm	No
MCN1808US	18G	20cm	Yes
MCN2003	20G	9cm	No
MCN2003US	20G	9cm	Yes
MCN2006	20G	15cm	No
MCN2006US	20G	15cm	Yes
MCN2008	20G	20cm	No
MCN2008US	20G	20cm	Yes
MCN2203	22G	9cm	No
MCN2203US	22G	9cm	Yes
MCN2206	22G	15cm	No
MCN2206US	22G </td <td>15cm</td> <td>Yes</td>	15cm	Yes
MCN2208	22G	20cm	No
MCN2208US	22G	20cm	Yes



### Westcott Biopsy Needles (Box of 10)

Catalogue #	Gauge	Length	Echogenic Tip
MWN2003	20G	9cm	No
MWN2003US	20G	9cm	Yes
MWN2006	20G	15cm	No
MWN2006US	20G	15cm	Yes
MWN2008	20G	20cm	No
MWN2203	22G	9cm	No
MWN2203US	22G	9cm	Yes
MWN2206	22G	15cm	No
MWN2206US	22G	15cm	Yes
MWN2208	22G	20cm	No
MWN2208US	22G	20cm	Yes



# Soft Tissue Biopsy

## Spinal Biopsy Needles (Box of 10)

Catalogue #	Gauge	Length	Echogenic Tip
MSPN1803	18G	9cm	No
MSPN1806	18G	15cm	No
MSPN2003	20G	9cm	No
MSPN2003US	20G	9cm	Yes
MSPN2006	20G	15cm	No
MSPN2006US	20G </td <td>15cm</td> <td>Yes</td>	15cm	Yes
MSPN2203	22G	9cm	No
MSPN2203US	22G	9cm	Yes
MSPN2206	22G	15cm	No
MSPN2206US	22G	15cm	Yes
MSPN2208	22G	20cm	No



## Trocar Biopsy Needles (Box of 10)

Catalogue #	Gauge	Length
MTN1806	18G	15cm
MTN1808	18G	20cm

## Greene Biopsy Needles (Box of 10)

Catalogue #	Gauge	Length	Coaxial (Included)
MGN2206X	22G	15cm	19G x 10cm w/echogenic tip

### Franseen Biopsy Needles (Box of 10)

Catalogue #	Gauge	Length	Echogenic Tip
MFN1803	18G	9cm	No
MFN1803US	18G	9cm	Yes
MFN1806	18G	15cm	No
MFN1806US	18G	15cm	Yes
MFN1808	18G	20cm	No
MFN1808US	18G	20cm	Yes
MFN2003	20G	9cm	No
MFN2003US	20G	9cm	Yes
MFN2006	20G	15cm	No
MFN2006US	20G	15cm	Yes
MFN2008	20G	20cm	No
MFN2008US	20G	20cm	Yes
MFN2203	22G	9cm	No
MFN2203US	22G	9cm	Yes
MFN2206	22G	15cm	No
MFN2206US	22G	15cm	Yes
MFN2208	22G	20cm	No
MFN2208US	22G	20cm	Yes



# Mammography

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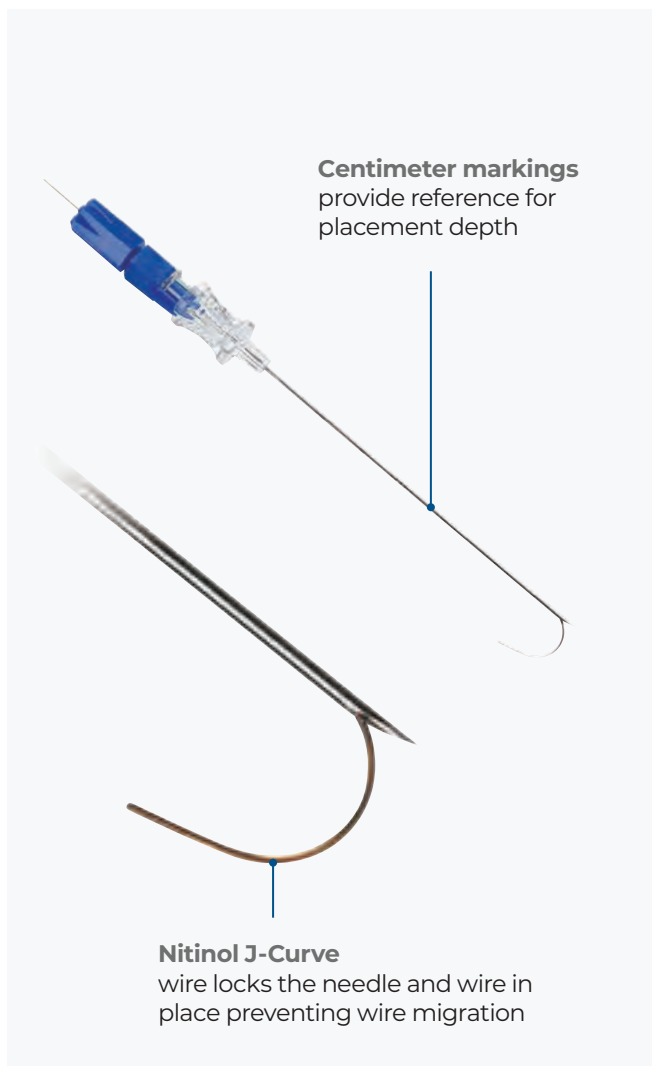
- **Repositionable Breast Localization Needles (BLN)**
- **Non-Repositionable Breast Localization Needles (BLN)**
- **Needle Guides**
- **Galactography Kits**





## Homer BLN

The Homer BLN contains a strong, flexible J-curve wire that may be retracted and repositioned as often as necessary to achieve accurate placement.



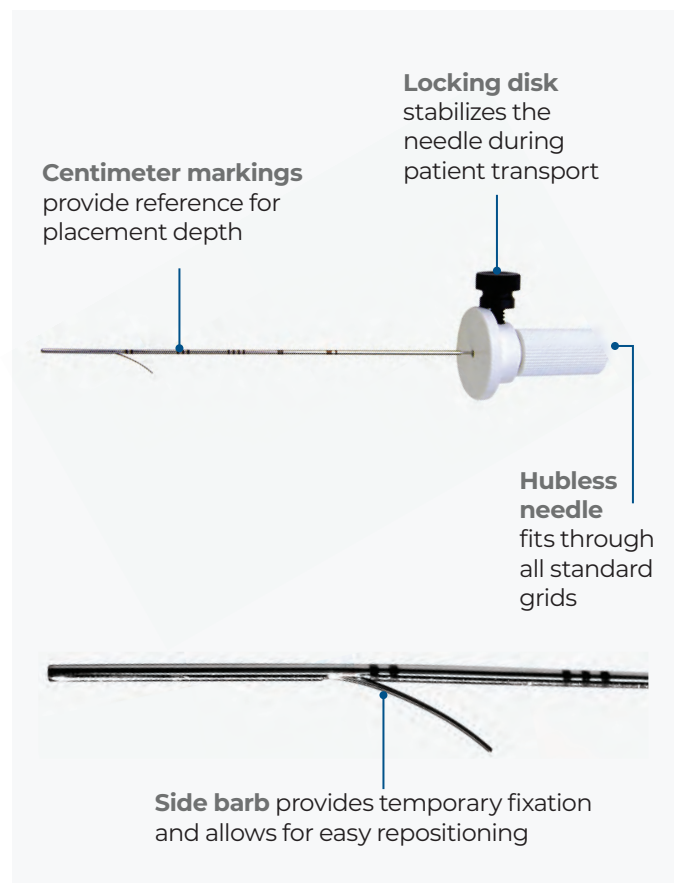
### Box of 10

Catalogue #	Gauge	Length	Wire
231030G	20G	3cm	3cm
231050G	20G	5cm	11cm
231075G	20G	7.5cm	13.5cm
231100G	20G	10cm	16.1cm
231125G	20G	12.5cm	18.5cm

## Hawkins™ I BLN

The Hawkins I BLN is repositionable to ensure accurate placement and is available in two wire choices:

- FlexStrand™, a 19-strand cable for maximum flexibility with minimal risk of transection
- A traditional hardwire, which minimizes flex during placement



### Box of 10

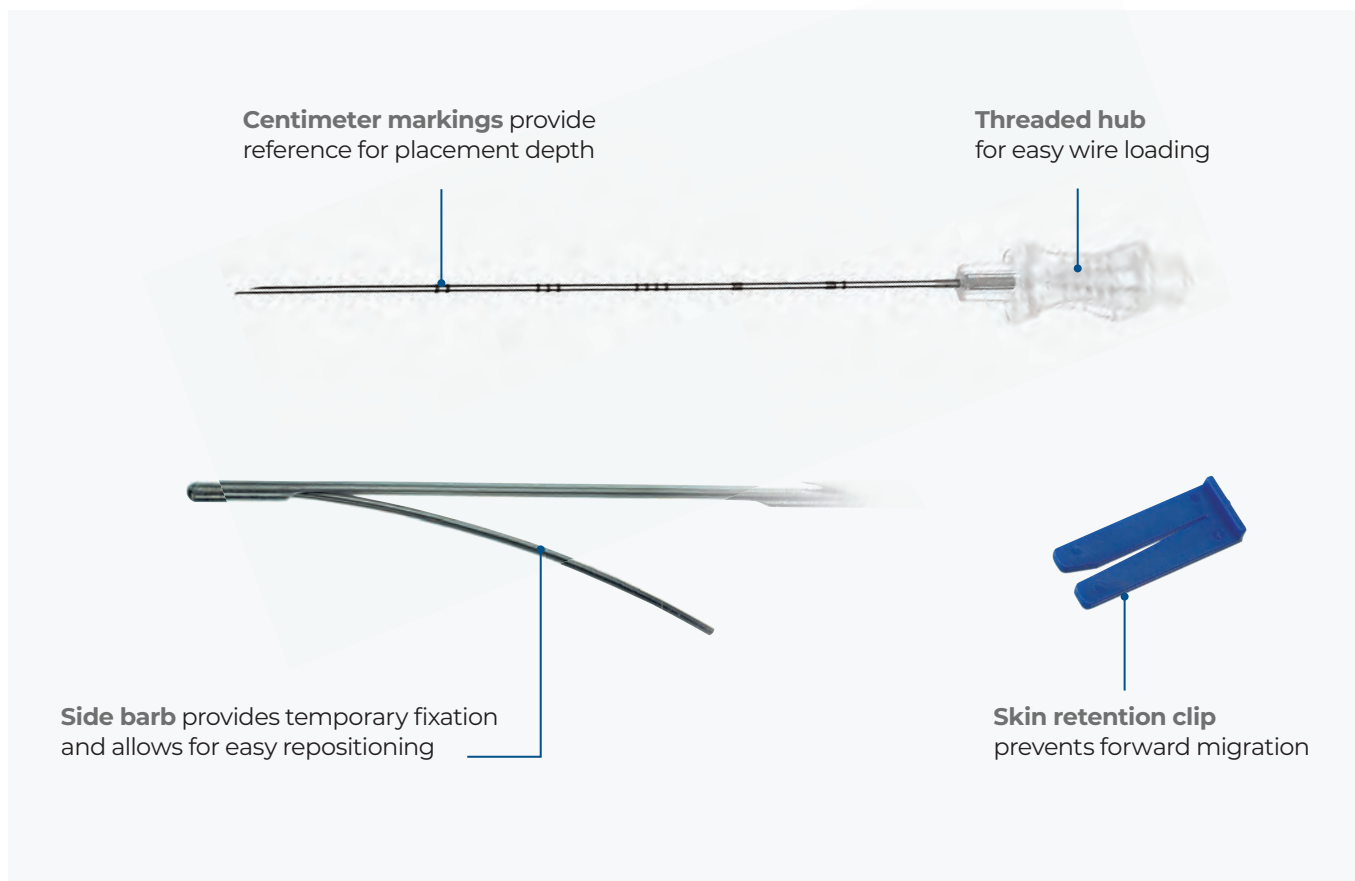
Catalogue #	Gauge	Length	Wire
251050	20G	5cm	7.8cm
251075	20G	7.5cm	10.3cm
251100	20G	10cm	12.8cm
251125	20G	12.5cm	15.3cm



## Hawkins™ II BLN

The Hawkins II BLN has a retention barb designed to provide strong anchoring strength in the breast.

- Wire is marked in three places: I Indicates wire at distal tip of needle; II Indicates side barb deployment; and III indicates distal barb deployment
- FlexStrand, a 19-strand cable for maximum flexibility with minimal risk of transection
- A traditional hardwire, which minimizes flex during placement



### Hawkins II Breast Localization Needles w/FlexStrand (Box of 10)

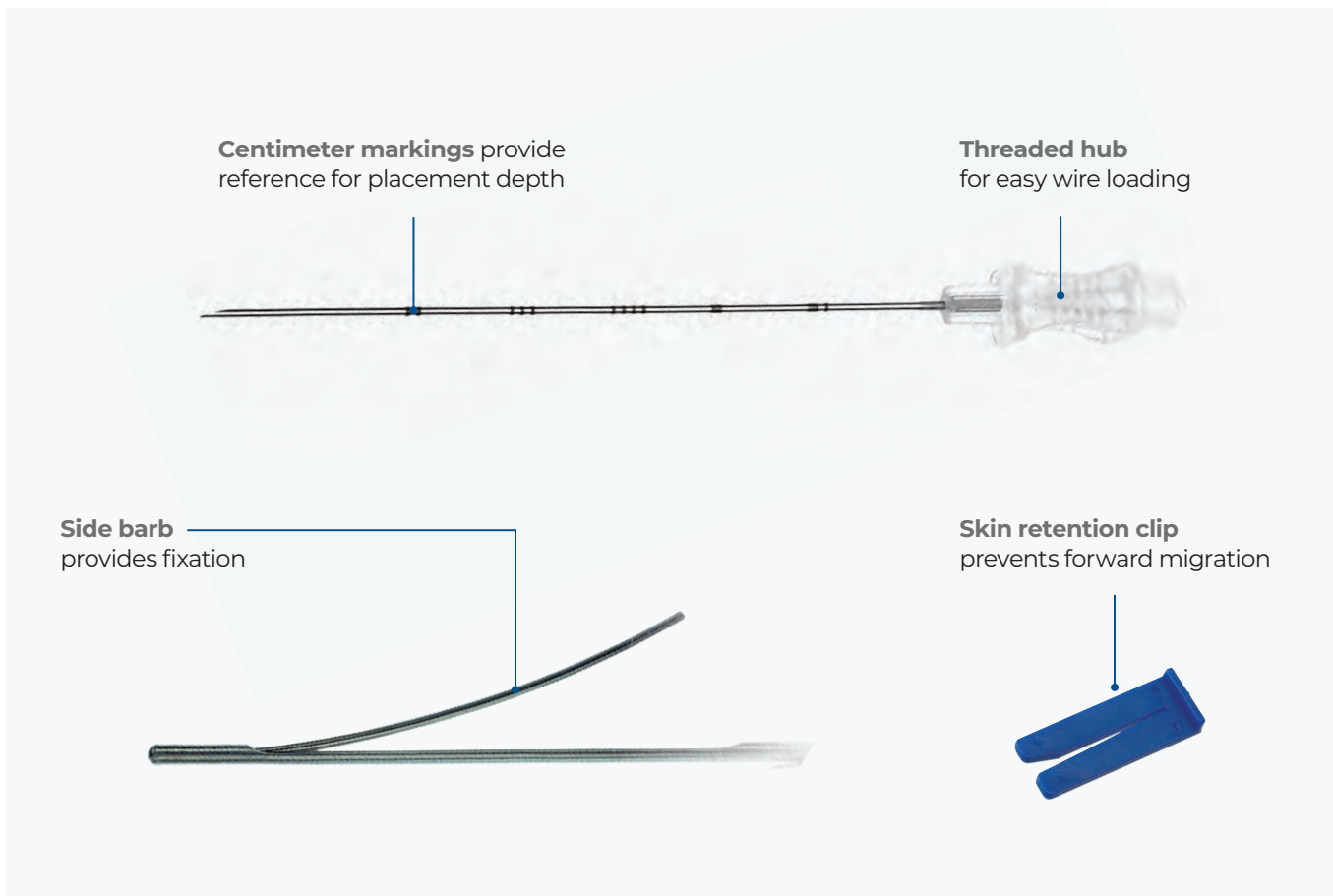
Catalogue #	Gauge	Length	Wire
252050	20G	5cm	14.4cm
252075	20G	7.5cm	19.4cm
252100	20G	10cm	24.4cm
252125	20G	12.5cm	29.4cm

### Hawkins II Breast Localization Needles w/Hardwire (Box of 10)

Catalogue #	Gauge	Length	Wire
242050	20G	5cm	14.4cm
242075	20G	7.5cm	19.4cm
242100	20G	10cm	24.4cm
242125	20G	12.5cm	29.4cm

## Hawkins™ III BLN

The Hawkins III BLN has a barb design to provide strong anchoring strength in the breast. Wire is marked in two places: I indicates wire at distal tip of needle; II indicates distal barb deployment.



### Hawkins III Breast Localization Needles w/FlexStrand™ (Box of 10)

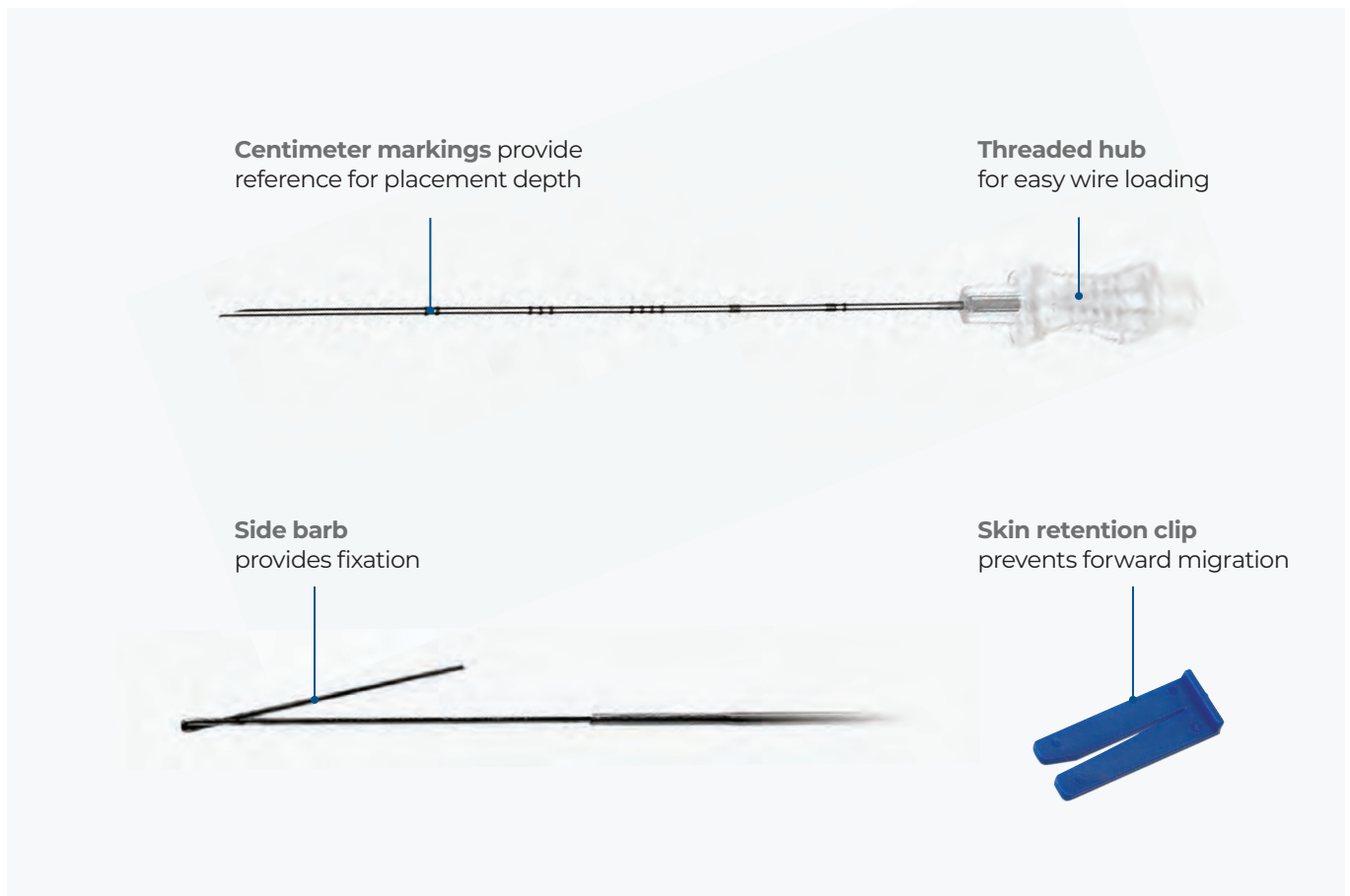
Catalogue #	Gauge	Length	Wire
253030	20G	3cm	10.4cm
253050	20G	5cm	14.4cm
253075	20G	7.5cm	19.4cm
253100	20G	10cm	24.4cm
253125	20G	12.5cm	29.4cm

### Hawkins III Breast Localization Needles w/Hardwire (Box of 10)

Catalogue #	Gauge	Length	w/Echogenic Tip	Wire
243030	20G	3cm	244030	10.4cm
243050	20G	5cm	244050	14.4cm
243075	20G	7.5cm	244075	19.4cm
243100	20G	10cm	244100	24.4cm
243125	20G	12.5cm	244125	29.4cm

## Accura™ BLN (Kopans Style)

Accura BLN is a traditional, springhook hardwire with stiffener design. Wire is marked in two places: I indicates wire at distal tip of needle; II indicates distal barb deployment.

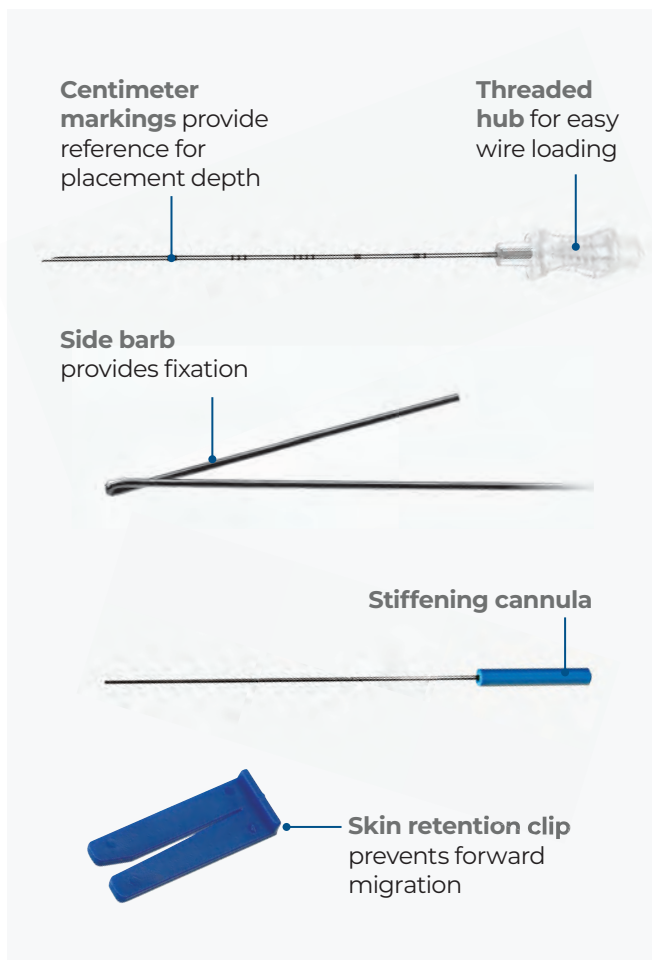


### Accura Breast Localization Needles (Kopans Style) (Box of 10)

Catalogue #	Gauge	Length	Wire
BLN2003	20G	3cm	10.4cm
BLN2005	20G	5cm	14.4cm
BLN20075	20G	7.5cm	19.4cm
BLN2010	20G	10cm	24.4cm
BLN2015	20G	15cm	28.9cm
BLN2105	21G	5cm	14.4cm
BLN21075	21G	7.5cm	19.4cm
BLN2110	21G	10cm	24.4cm

## Accura™ II BLN (Sadowsky Style)

Accura II BLN is designed for a preoperative marking of nonpalpable breast lesions. Wire is marked in two places: I indicates wire at distal tip of needle; II indicates distal barb deployment.

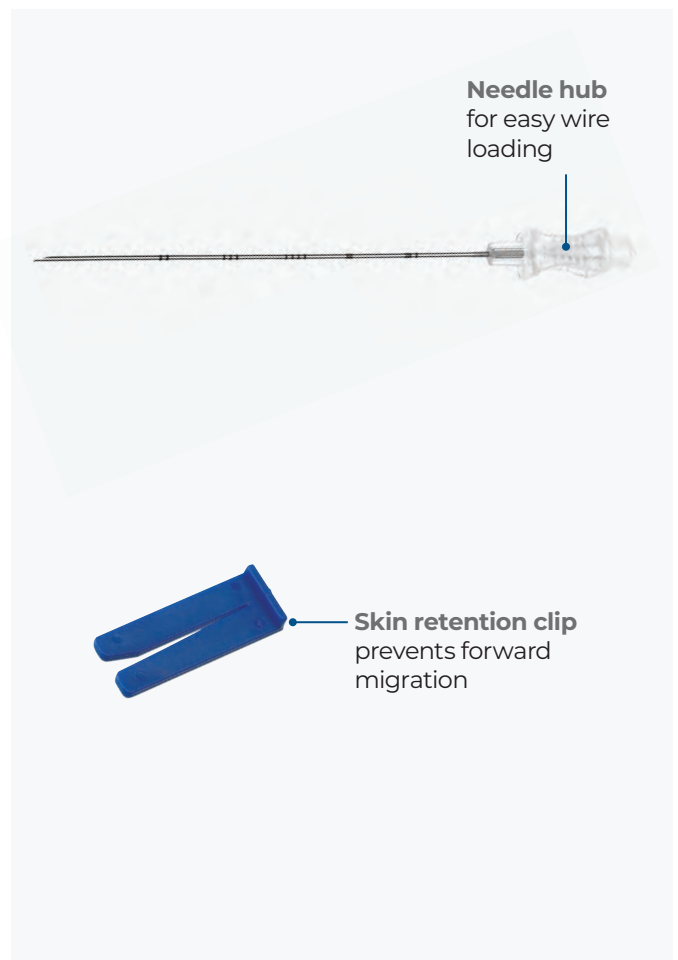


### Accura II Breast Localization Needles (Sadowsky Style) (Box of 10)

Catalogue #	Gauge	Length	Stiffening Cannula	Wire
266050	20G	5cm	23G	14.4cm
266075	20G	7.5cm	23G	19.4cm
266100	20G	10cm	23G	24.4cm

## D Wire BLN

The D Wire BLN is designed to provide strong anchoring strength in the breast.

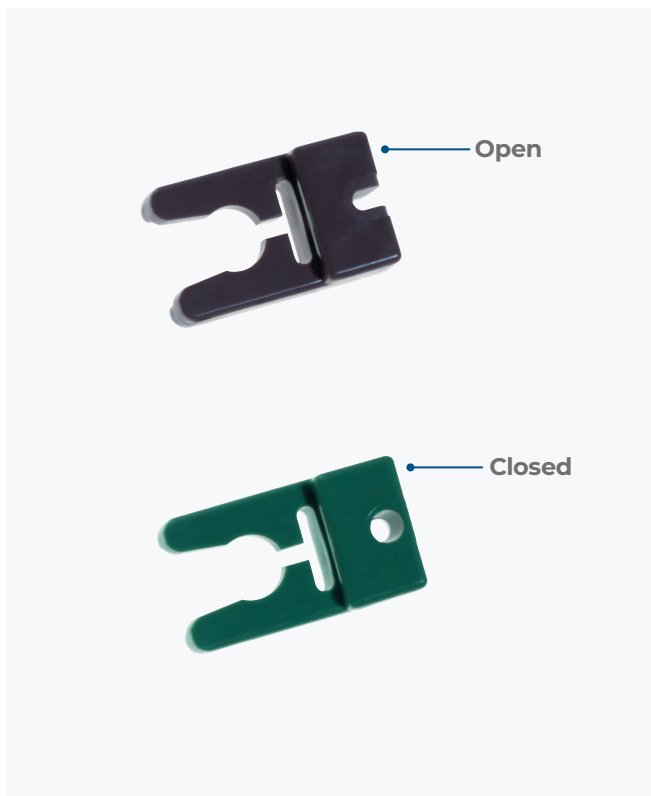


### D Wire Breast Localization Needles (Box of 10)

Catalogue #	Gauge	Length	Wire
BLND2005	20G	5cm	17.2cm
BLND20075	20G	7.5cm	18.3cm
BLND2010	20G	10cm	21.2cm

## Needle Guides

Needle guides are designed specifically for use in conjunction with the Lorad Stereo Loc™ II Prone Stereotactic System for core biopsy of the breast.



### Needle Guides for Lorad Stereo Loc II (Box of 20)

Catalogue #	Type	Compatible Device	Guide Quantity
LNGC14GX	Closed type	14G	1
LNGC1619PX	Closed type	16G to 19G	2
LNGC2022YX	Closed type	20G to 22G	2
LNGO1619PX	Open type	16G to 19G	2
LNGO2022YX	Open type	20G to 22G	2

## Galactography Kits

Galactography kits are designed to perform safe and effective contrast media-enhanced radiography of the mammary ducts.



### Galactography Kits (Box of 10)

Catalogue #	Gauge	Cannula
DGK002SX	30G	Straight
DGK002X	30G	Curved



# Endomyocardial Biopsy

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- **JAWZ™ Endomyocardial Biopsy (EMB) Forceps**
- **Endomyocardial Biopsy Accessories**





## JAWZ™ Endomyocardial Biopsy (EMB) Forceps

JAWZ offers a clean-cut approach to better endomyocardial biopsy samples. It is designed to provide higher quality specimens with fewer passes required. The portfolio consists of disposables that maintain sharp dual cutting heads and have great design flexibility.

### Dual Cutting Head Yields Better Samples

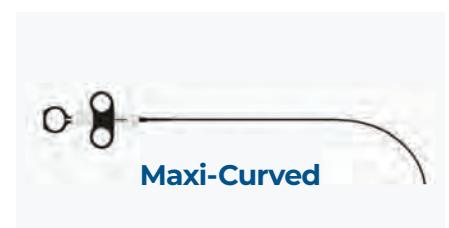
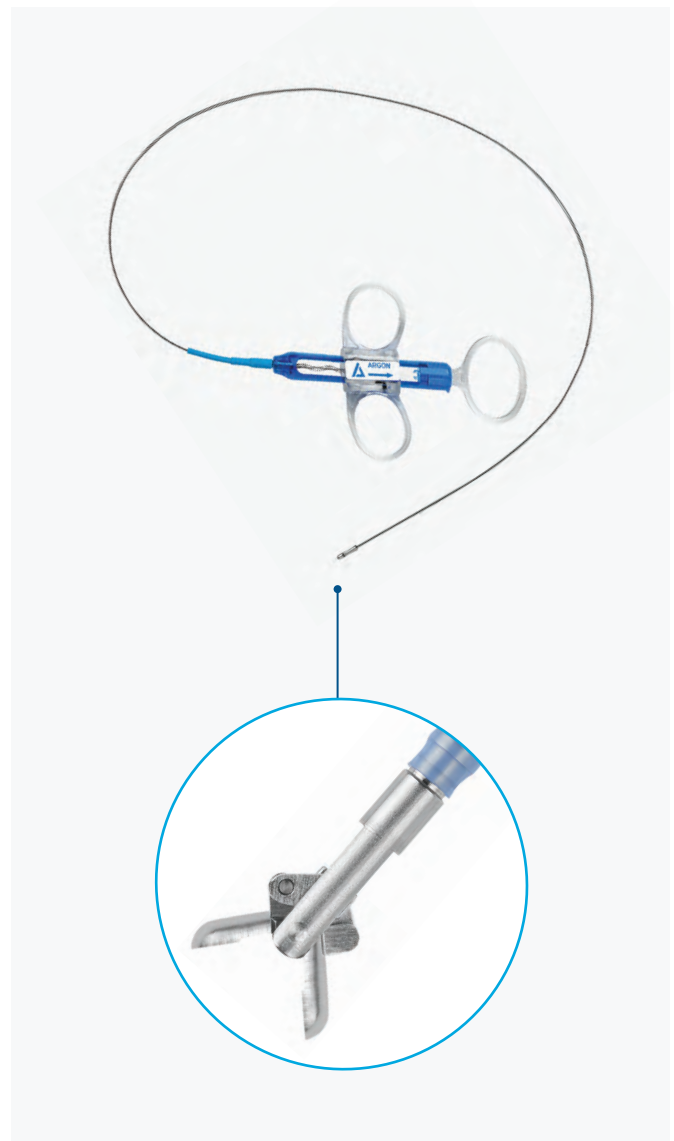
- Unique cutting-edge design allows superior surface alignment to provide a clean cut with clean margins
- Precision-machined from a proprietary alloy to remain sharp throughout the procedure

### Enhanced Physician Experience

- Designed to deliver higher quality samples with reduced crushed artifact
- Precision-molded to provide a solid "instrument" feel

### Greater Flexibility & Ease of Use

- Three-ringed handle fully rotates and maintains your desired thumb position, staying in place
- Available in Stainless Steel or PTFE Coated, and Straight, Pre-Curved, and Maxi-Curved configurations



## Box of 1

Catalogue #	Jaw Size	Jaw OD (French)	Jaw Volume	Length	Curve	Coating	Formability	Fenestration
190090	1.5mm	5F	1.80mm <sup>3</sup>	50cm	Straight	None	Formable	Fenestrated
190095	1.5mm	5F	1.80mm <sup>3</sup>	105cm	Straight	None	Formable	Fenestrated
190051	1.8mm	6F	2.46mm <sup>3</sup>	50cm	Maxi-Curved	FEP	Formable	Non-Fenestrated
190060	1.8mm	6F	2.46mm <sup>3</sup>	50cm	Straight	None	Formable	Non-Fenestrated
190065	1.8mm	6F	2.46mm <sup>3</sup>	50cm	Straight	None	Non-Formable	Non-Fenestrated
190066	1.8mm	6F	2.46mm <sup>3</sup>	70cm	Straight	FEP	Formable	Non-Fenestrated
190070	1.8mm	6F	2.46mm <sup>3</sup>	105cm	Straight	None	Formable	Non-Fenestrated
190075	1.8mm	6F	2.46mm <sup>3</sup>	105cm	Straight	None	Non-Formable	Non-Fenestrated
190080	2.2mm	7F	4.97mm <sup>3</sup>	50cm	Pre-Curved	FEP	Formable	Non-Fenestrated
190081	2.2mm	7F	4.97mm <sup>3</sup>	50cm	Maxi-Curved	FEP	Formable	Non-Fenestrated
190085	2.2mm	7F	4.97mm <sup>3</sup>	105cm	Straight	None	Formable	Non-Fenestrated
190086	2.2mm	7F	4.97mm <sup>3</sup>	105cm	Straight	FEP	Formable	Non-Fenestrated
190020	2.4mm	7.5F	5.43mm <sup>3</sup>	50cm	Straight	None	Formable	Non-Fenestrated
190030	2.4mm	7.5F	5.43mm <sup>3</sup>	50cm	Pre-Curved	FEP	Formable	Non-Fenestrated
190031	2.4mm	7.5F	5.43mm <sup>3</sup>	50cm	Maxi-Curved	FEP	Formable	Non-Fenestrated
190040	2.4mm	7.5F	5.43mm <sup>3</sup>	105cm	Straight	None	Formable	Non-Fenestrated

## Endomyocardial Biopsy Accessories

### Access™ Percutaneous Introducer Kit w/Double-ended Wire (Box of 10)

Catalogue #	Sheath			Guidewire	
	Size	Length	Hub Colour	Diameter	Length
496004	4F	11cm	Red	.035"	45cm
496005	5F	11cm	Grey	.038"	45cm
496006	6F	11cm	Green	.038"	45cm
496007	7F	11cm	Orange	.038"	45cm
496008	8F	11cm	Blue	.038"	45cm
496009	9F	11cm	Black	.038"	45cm

### OneStic Micro-Access Introducer Kits (Box of 10)

Catalogue #	Sheath			Guidewire			Needle		
	Size	Length	Hub Colour	Diameter	Length	Core/Tip Material	Gauge	Length	Echogenic
497830	5F	11cm	Grey	.018"	45cm	SS/SS	21G	7cm	No
497840	6F	11cm	Green	.018"	45cm	SS/SS	21G	7cm	No
497841	6F	11cm	Green	.018"	40cm	NT/PD	21G	7cm	No
497861	7F	11cm	Orange	.018"	45cm	SS/SS	21G	7cm	No
497862	8F	11cm	Blue	.018"	45cm	SS/SS	21G	7cm	No

SS = Stainless Steel NT = Nitinol PD = Palladium

# Bone & Bone Marrow Biopsy

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- **T-Lok™ Bone Marrow Biopsy Needles**
- **Bone Marrow Aspiration Needles**
- **Bone Marrow Harvest Needles**
- **Osty-Core™ Bone Biopsy Needles**
- **Pediatric Bone Marrow Access Needles**

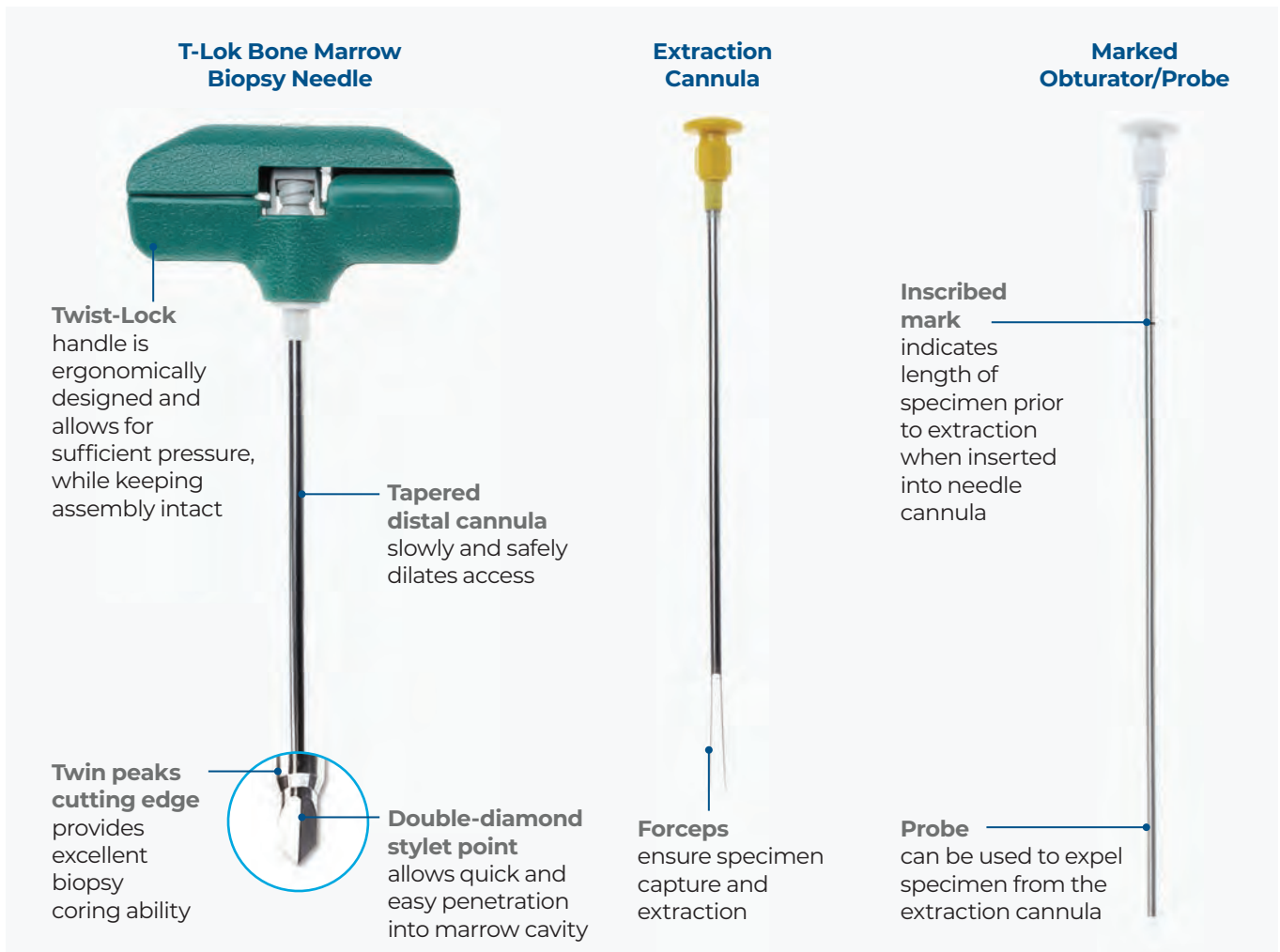






## T-Lok™ Bone Marrow Biopsy Needles

T-Lok Bone Marrow Biopsy Needles are designed to provide quality biopsies by entrapping bone marrow in the needle without altering the sample.



### Box of 10

Catalogue #	Gauge	Length	Cannula
DBMNJ0804TL	8G	4" (10.2cm)	w/Extraction Cannula
DBMNJ0806TL	8G	6" (15.2cm)	w/Extraction Cannula
DBMNJ1104TL	11G	4" (10.2cm)	w/Extraction Cannula
DBMNJ1106TL	11G	6" (15.2cm)	w/Extraction Cannula
DBMNJ1104D	11G	4" (10.2cm)	w/D Shape Extraction Cannula

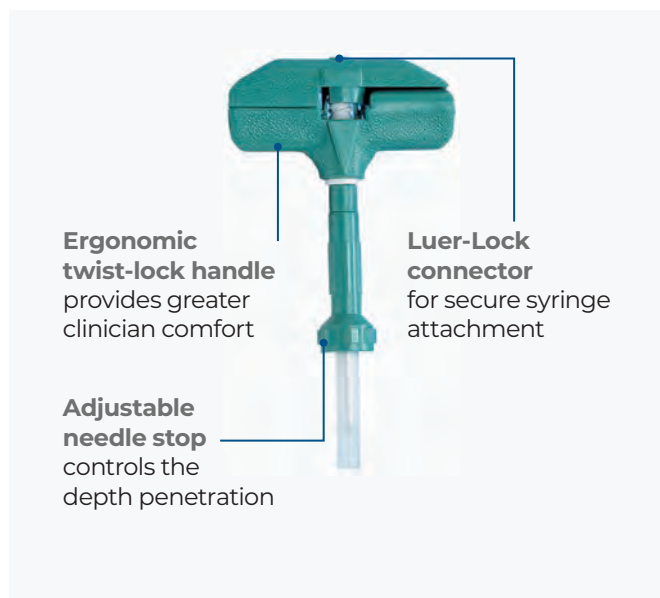
### Bone Marrow Biopsy Needles (Box of 10)

Catalogue #	Gauge	Length
DBMNJ13025	13G	2.5" (6.4cm)
DBMNJ1304	13G	4" (10.2cm)

## Bone Marrow Aspiration Needles

### Box of 10

Catalogue #	Gauge	Length
DBMNI1501	15G	2.688" (6.8cm) max.
DBMNI1504	15G	4" (10.2cm) max.
DBMNI1601	16G	2.688" (6.8cm) max.

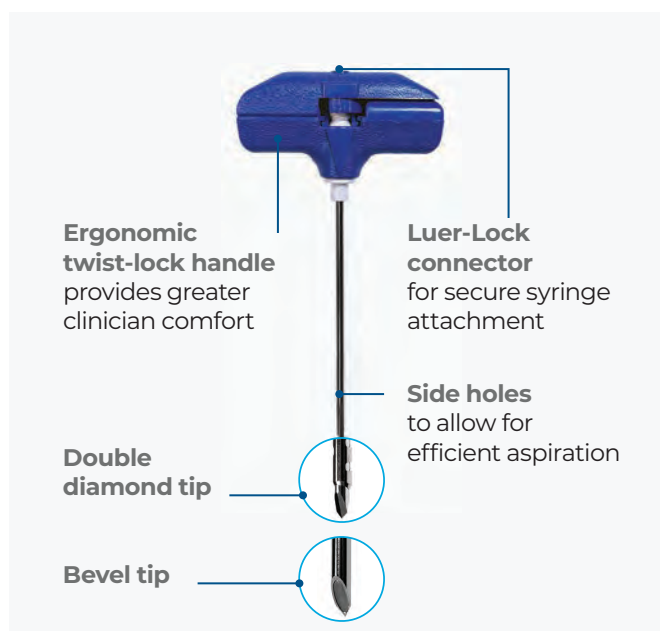


## Bone Marrow Harvest Needles

The Bone Marrow Harvest Needles are designed for allogenic and autologous bone marrow harvest-transplantation procedures.

### Box of 10

Catalogue #	Gauge	Length	Tip
BMHN1104VX	11G	4" (10.2cm)	Double Diamond
BMHN1104X	11G	4" (10.2cm)	Bevel
BMHN1302X	13G	2" (5.1cm)	Bevel
BMHN1303X	13G	3" (7.6cm)	Bevel
BMHN1304VX	13G	4" (10.2cm)	Double Diamond
BMHN1304X	13G	4" (10.2cm)	Bevel



## Osty-Core™ Bone Biopsy Needles

The unique tip geometry of the Osty-Core Bone Biopsy Needle is designed to provide exceptional needle entry and coring characteristics without distorting the biopsy specimen.

### Box of 10

Catalogue #	Gauge	Length	Coaxial (Optional)
OBN16075	16G	7.5cm	
OBN16125	16G	12.5cm	MCXS1610AX
OBN16165	16G	16.5cm	MCXS1616AX

### Optional Coaxial Introducer Needles (Box of 10)

Catalogue #	Gauge	Length	Compatible Device
MCXS1610AX	15G	4.6cm	OBN16125
MCXS1616AX	15G	10.6cm	OBN16165

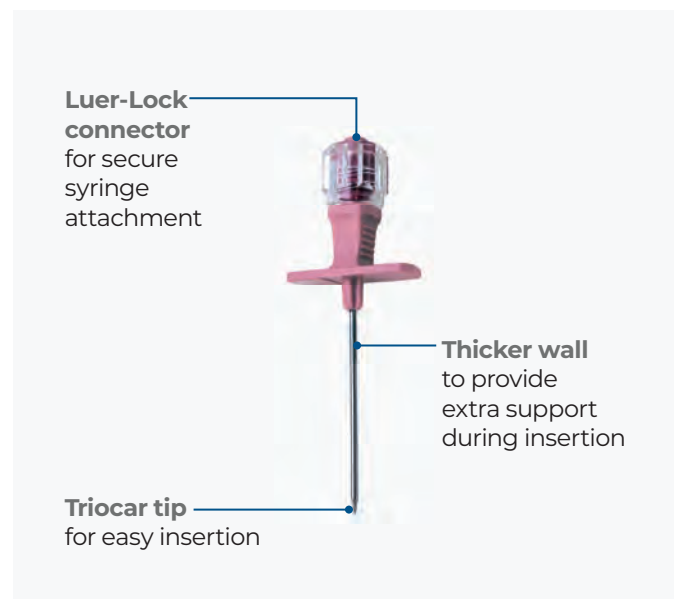


## Paediatric Bone Marrow Access Needles

The Paediatric Bone Marrow Access Needle is ideal for intraosseous therapy. In addition to the easy and efficient aspiration of marrow in pediatric patients, the needle can be used to access medullary cavities when initiating resuscitative infusion.

### Box of 10

Catalogue #	Gauge	Length
ION18015	18G	3.58cm







# Men's & Women's Health

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- HSG Catheters
- Prostate Stabilization Needles
- Prostate Seeding Sets





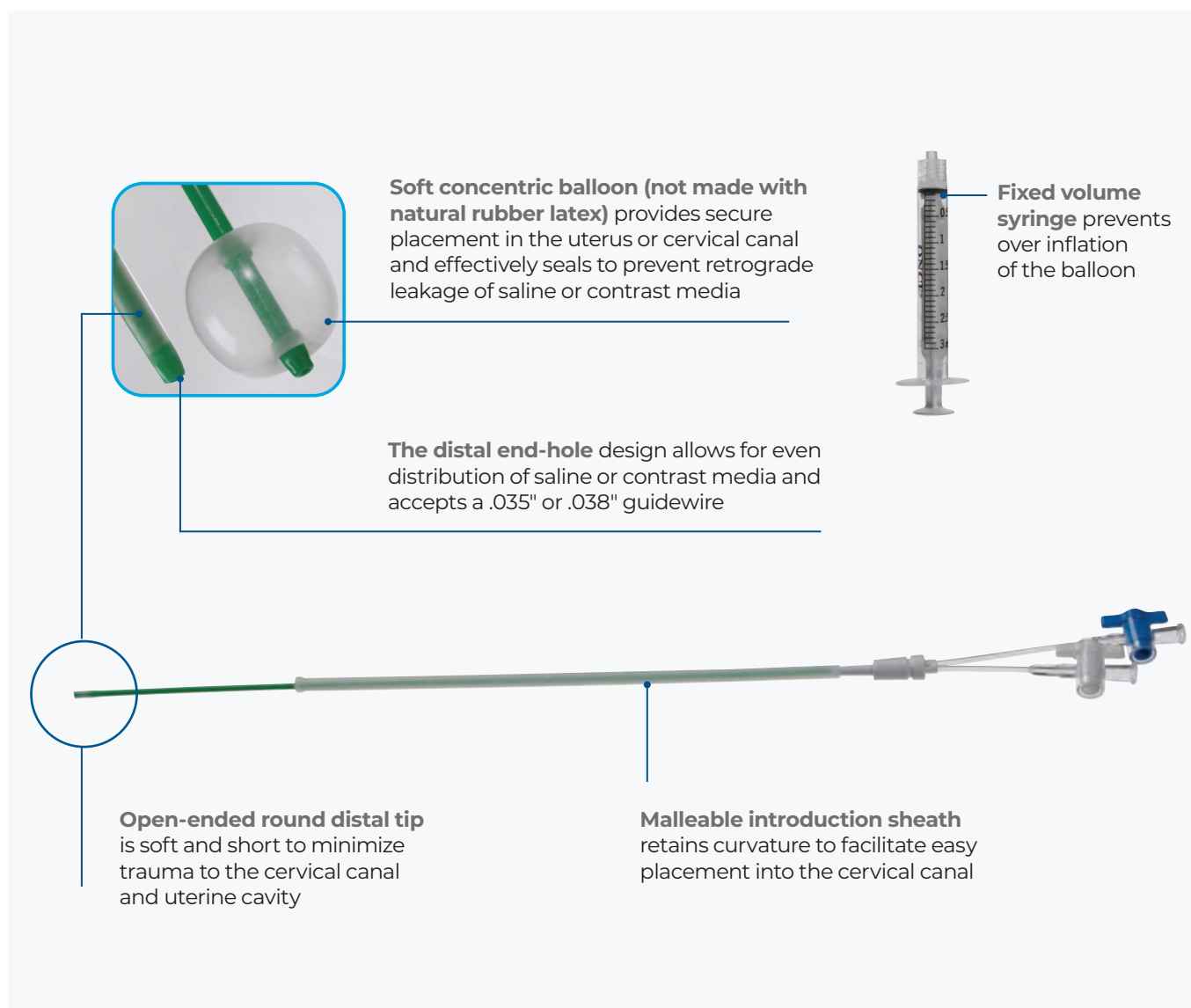


## HSG Catheters

HSG catheters are designed for use in hysterosonography or hysterosalpingography procedures.

### Box of 10

Catalogue #	French	Length	Max Guidewire Size
660005040	5.5F	40cm	.035"
660007040	7F	40cm	.038"



## Prostate Stabilization Needles

Prostate Stabilization Needles are designed to prevent movement of the prostate gland while either applicator-compatible or pre-loaded seeding needles are being inserted.



### Box of 10 (Sets of 2 needles)

Catalogue #	Gauge	Length
500118200	18G	20cm

## Prostate Seeding Sets

Prostate Seeding Sets are designed to facilitate transperineal radioactive seed implant procedures.



### Box of 25 (4 sets of 5, 5 singles)

Catalogue #	Description
500318200SX	For use with Mick® 200 – TP & 200 – TPV applicators 18G x 20cm
500518200X	18G Rigid ETW x 20cm
500618200X	18G Flexible UTW x 20cm

# Introducer Sets & Arterial Needles

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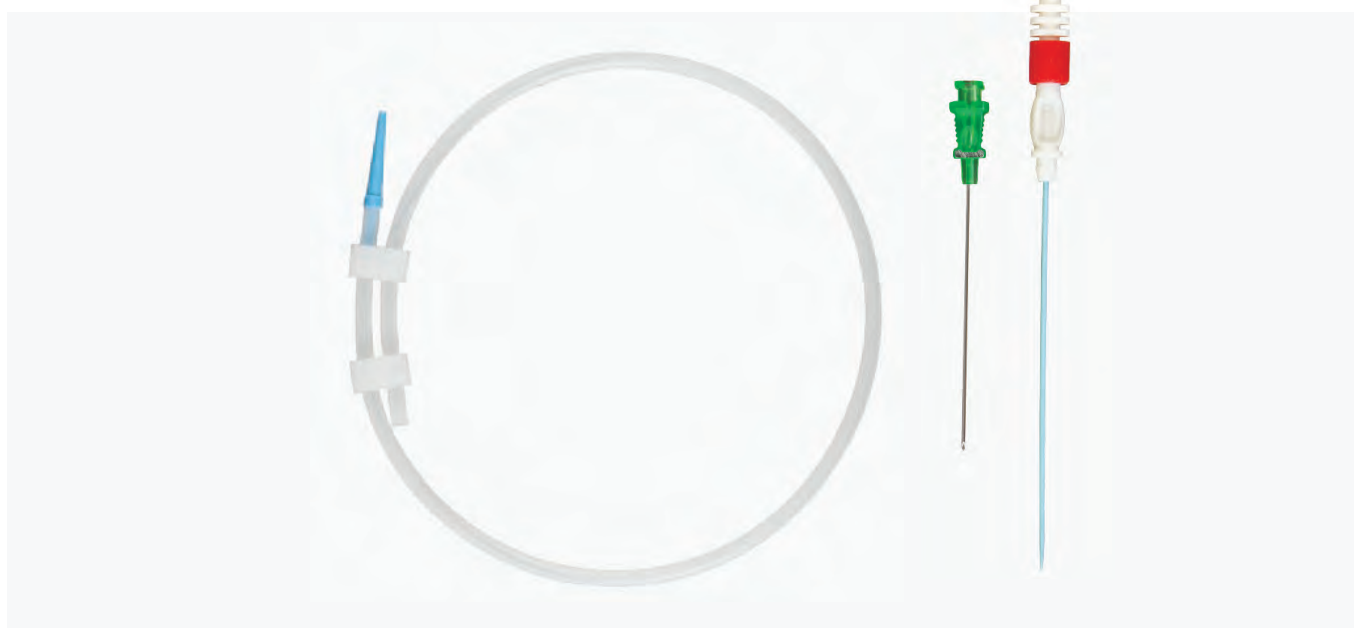
- **V-Stick™ Vascular Access Sets**
- **Axcess™ Percutaneous Introducer Kits**
- **OneStic™ Micro-Access Introducer Kits**
- **Arterial Needles**
- **Guidewire Introducer Needles**
- **Introducer Kits for Venous Applications**



## V-Stick™ Vascular Access Sets

V-Stick Vascular Access Sets assist in gaining vascular access for the placement of .035" and .038" guidewires into the vascular system using small needle access to reduce puncture site and vessel trauma.

V-Stick Vascular Access Sets include an UltraSharp 21G needle featuring a silicone-coated tip and a coaxial introducer, available in standard or stiff, designed to enable smooth transition.



### V-Stick Vascular Access Sets w/Standard Coaxial Introducer (Box of 10)

Catalogue #	Sheath	Needle			Dilator		Guidewire		
	Size	Gauge	Length	Echogenic	Stiffness	Locking Nut Colour	Diameter	Length	Material
391504300E	4F	21G	7cm	Yes	Standard	Red	.018"	40cm	NT
391504400E	4F	21G	7cm	No	Standard	Red	.018"	40cm	SS
391504500E	4F	21G	7cm	No	Standard	Red	.018"	40cm	SS
391505000E	5F	21G	7cm	Yes	Standard	Red	.018"	40cm	SS
391505300E	5F	21G	7cm	Yes	Standard	Red	.018"	40cm	NT
391505400E	5F	21G	7cm	No	Standard	Red	.018"	40cm	NT
391505500E	5F	21G	7cm	No	Standard	Red	.018"	40cm	SS

SS = Stainless Steel

NT = Nitinol



## V-Stick Vascular Access Sets w/Stiff Coaxial Introducer (Box of 10)

Catalogue #	Sheath	Needle			Dilator		Guidewire		
	Size	Gauge	Length	Echogenic	Stiffness	Locking Nut Colour	Diameter	Length	Material
391604000E	4F	21G	7cm	Yes	Stiff	White	.018"	40cm	SS
391604300E	4F	21G	7cm	Yes	Stiff	White	.018"	40cm	NT
391604400E	4F	21G	7cm	No	Stiff	White	.018"	40cm	NT
391604500E	4F	21G	7cm	No	Stiff	White	.018"	40cm	SS
391605000E	5F	21G	7cm	Yes	Stiff	White	.018"	40cm	SS
391605300E	5F	21G	7cm	Yes	Stiff	White	.018"	40cm	NT
391605400E	5F	21G	7cm	No	Stiff	White	.018"	40cm	NT

## Axcess™ Percutaneous Introducer Kits

Axcess Percutaneous Introducer Kits feature a valved introducer to reduce procedural blood loss and air entry. In addition to its ease of use, our Axcess Percutaneous Introducers are available in various lengths and sizes and the kit is available with or without a guidewire.



## Axcess™ Percutaneous Introducer Kit w/Double-ended Wire (Box of 10)

Catalogue #	Sheath			Guidewire	
	Size	Length	Hub Colour	Diameter	Length
496004	4F	11cm	Red	.035"	45cm
496005	5F	11cm	Grey	.038"	45cm
496006	6F	11cm	Green	.038"	45cm
496007	7F	11cm	Orange	.038"	45cm
496008	8F	11cm	Blue	.038"	45cm
496009	9F	11cm	Black	.038"	45cm



## OneStic™ Micro-Access Introducer Kits

OneStic Micro-Access Introducer Kits combine Argon's micro puncture set and valved introducer into one convenient kit. The OneStic Micro-Access Introducer Kit allows for time and procedural step reduction by including a 21G needle, a .018 guidewire, and various size and length sheath options.



### OneStic Micro-Access Introducer Kit w/Stainless Steel Mandrel Wires (Box of 10)

Catalogue #	Sheath			Guidewire			Needle		
	Size	Length	Hub Colour	Diameter	Length	Core/Tip Material	Gauge	Length	Echogenic
497850	6F	5.75cm	Green	.018"	45cm	SS/SS	21G	5.1cm	No
497820	4F	11cm	Red	.018"	45cm	SS/SS	21G	7cm	No
497830	5F	11cm	Grey	.018"	45cm	SS/SS	21G	7cm	No
497840	6F	11cm	Green	.018"	45cm	SS/SS	21G	7cm	No
497861	7F	11cm	Orange	.018"	45cm	SS/SS	21G	7cm	No
497862	8F	11cm	Blue	.018"	45cm	SS/SS	21G	7cm	No

### OneStic Micro-Access Introducer Kit w/Nitinol Wires with Palladium Tip (Box of 10)

Catalogue #	Sheath			Guidewire			Needle		
	Size	Length	Hub Colour	Diameter	Length	Core/Tip Material	Gauge	Length	Echogenic
497865	5F	5.75cm	Grey	.018"	40cm	NT/PD	21G	2.5cm	No
497841	6F	11cm	Green	.018"	40cm	NT/PD	21G	7cm	No

## Introducer Kits for Venous Applications

### Kit Contents:

- (1) Radiopaque Sheath
- (1) Vessel Dilator
- (1) Guidewire (Double-ended, 3mm J, and ST)



### Tuohy-Borst Introducer Kit w/Integral Hemostasis Valve (Box of 10)

Catalogue #	Sheath			Guidewire			
	Size	Length	Hub Colour	Diameter	Length	Material	Tip Shade
496132	6F	11cm	Green	.035"	45cm	SS	Double-ended, 3mm J & Straight
496133	7F	11cm	Orange	.035"	45cm	SS	Double-ended, 3mm J & Straight
496134	8F	11cm	Blue	.035"	45cm	SS	Double-ended, 3mm J & Straight
496135	8.5F	11cm	White	.035"	45cm	SS	Double-ended, 3mm J & Straight
496136	9F	11cm	Black	.035"	45cm	SS	Double-ended, 3mm J & Straight

SS = Stainless Steel NT = Nitinol PD = Palladium

# Introducer Sets & Arterial Needles



## PCI Kit/2 - Introducer Kit w/Detachable Hemostasis Valve (Box of 10)

Catalogue #	Sheath		Guidewire	
	Size	Length	Hub Colour	Compatibility
496124	8F	11cm	Orange	up to .038"

**Kit Contents:** (1) Vessel Dilator and (1) Introducer Assembly

## PCI Kit/5 - Introducer w/Detachable Hemostasis Valve (Box of 10)

Catalogue #	Sheath			Guidewire			
	Size	Length	Hub Colour	Diameter	Length	Material	Tip Shade
496183	7F	11cm	Orange	.035"	45cm	SS	Double-ended, 3mm J & Straight

### Kit Contents:

- (1) Disposable Towel
- (1) Vessel Dilator
- (3) 4" x 4" Gauze Sponges
- (1) Guidewire (Double-ended, 3mm J, and ST)
- (1) Sheath with Detachable Hemostasis Valve

SS = Stainless Steel

**Kit Contents:**

- (1) Radiopaque Sheath
- (1) Vessel Dilator
- (1) Guidewire (Double-ended, 3mm J, and ST)

**One-Piece Introducer Kit w/Integral Hemostasis Valve (Box of 10)**

Catalogue #	Sheath			Guidewire			
	Size	Length	Hub Colour	Diameter	Length	Material	Tip Shade
496150	4F	11cm	Red	.025"	45cm	SS	Double-ended, 3mm J & Straight
496151	5F	11cm	Grey	.035"	45cm	SS	Double-ended, 3mm J & Straight
496152	6F	11cm	Green	.035"	45cm	SS	Double-ended, 3mm J & Straight
496153	7F	11cm	Orange	.035"	45cm	SS	Double-ended, 3mm J & Straight
496154	8F	11cm	Blue	.035"	45cm	SS	Double-ended, 3mm J & Straight
496155	8.5F	11cm	White	.035"	45cm	SS	Double-ended, 3mm J & Straight
496156	9F	11cm	Black	.035"	45cm	SS	Double-ended, 3mm J & Straight

## Arterial Needles

### AMC/3 - Arterial Needle w/Removable Needle Adapter (Box of 10)

Catalogue #	Gauge	Length	Guidewire Compatibility
195312	18G	7cm	up to .038"
195311	21G	2.5cm	up to .021"

### AMC/4 - Clear Flashback Needle (Box of 10)

Catalogue #	Gauge	Length	Guidewire Compatibility
195317	18G	3.8cm	up to .038"
195318	18G	7cm	up to .038"
195319	19G	1.5cm	up to .028"
195322	21G	2.5cm	up to .021"
195323	21G	5.1cm	up to .021"

### AMC/4 - Winged Arterial Needle (Box of 10)

Catalogue #	Gauge	Length	Guidewire Compatibility	Special Features
195352	18G	7cm	up to .038"	N/A

### Percutaneous Entry Needles (Box of 10)

Catalogue #	Description	Gauge	Length	Guidewire Compatibility
195326	Percutaneous Entry Needle(Two-Part Thin Wall Tapered Cannula and Inner Arterial Beveled Stylet)	18G	7.3cm	up to .038"

### Arterial Extensions (Box of 25)

Catalogue #	Description
041107002A	Arterial Extensions 7Ft. PVC Extension with Stopcock and Male Luer Lock Adaptor





## Guidewire Introducer Needles

Guidewire Introducer Needles are designed for anterior, single wall, arterial percutaneous punctures. The tapered luer hub allows for easy guidewire insertion.

### Box of 25

Catalogue #	Gauge	Length	Guidewire Compatibility	Special Features
GW11802	18G	7cm	up to .038"	
GW11902	19G	7cm	up to .038"	
GW11802WW	18G	7cm	up to .038"	Clear window wall hub
BGWI1802	18G	7cm	up to .038"	Winged base plate
BGWI1902	19G	7cm	up to .035"	Winged base plate



## Seldinger Needles

Seldinger Needles are designed for easy, atraumatic, percutaneous arterial punctures.

### Box of 25

Catalogue #	Gauge	Length	Guidewire Compatibility
SN1802	18G	7cm	up to .038"
SN1902	19G	7cm	up to .038"



# Guidewires

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- **Guidewires - WORKER™**
- **Guidewires - Fixed Core Straight**
- **Guidewires - Fixed Core J Tip**
- **Guidewires - Lunderquist**
- **Guidewires - POINTER™**
- **Guidewires - Specialty**





## Guidewires - WORKER™

WORKER guidewires are manufactured with a precoating technique offering a safe and flexible guidewire. The PTFE coating is used to reduce friction. All guidewires are packed in a circular dispenser facilitating easy flushing of the guidewire. Low friction due to PTFE coating; malleable tip; colour-coded guidewire straightener holds the wire in the dispenser and provides easy introduction in the puncture needle or catheter.



### Standard - Straight, w/Fixed Core (Box of 10)

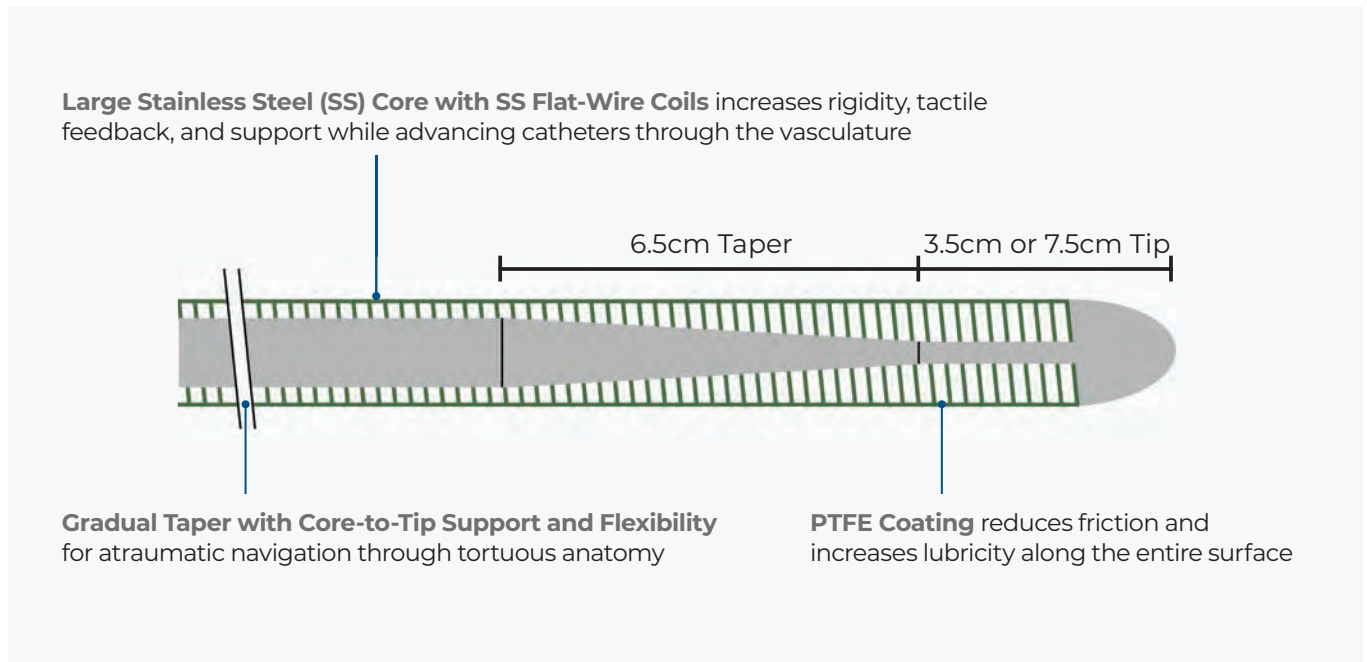
Catalogue #	Diameter	Length	Description	Soft Tip
110135080	.035"	80cm	Standard Straight	3.5cm
110135150	.035"	150cm	Standard Straight	3.5cm
110135180	.035"	180cm	Standard Straight	3.5cm
110135300	.035"	300cm	Standard Straight	3.5cm
110135400	.035"	400cm	Standard Straight	3.5cm

### Standard - w/ 3mm J Curve, Fixed Core (Box of 10)

Catalogue #	Diameter	Length	Description	Soft Tip
110535080	.035"	80cm	Standard J Curve	3.5cm
110535150	.035"	150cm	Standard J Curve	3.5cm
110535180	.035"	180cm	Standard J Curve	3.5cm
110535260	.035"	260cm	Standard J Curve	3.5cm

# Worker Amplatz

The Worker Amplatz guidewire is the right combination of stiffness, durability, and rail support.



## Amplatz - Straight (Box of 10)

Catalogue #	Diameter	Length	Description	Soft Tip
114135080	.035"	80cm	Amplatz Straight	3.5cm
114135150	.035"	150cm	Amplatz Straight	3.5cm
114135180	.035"	180cm	Amplatz Straight	3.5cm
114135260	.035"	260cm	Amplatz Straight	3.5cm
114035090	.035"	90cm	Amplatz Straight	7.5cm
114035150	.035"	150cm	Amplatz Straight	7.5cm
114035180	.035"	180cm	Amplatz Straight	7.5cm
114035260	.035"	260cm	Amplatz Straight	7.5cm

## Amplatz - 3mm J Curve (Box of 10)

Catalogue #	Diameter	Length	Description	Soft Tip
114235090	.035"	90cm	Amplatz J Curve	7.5cm
114235150	.035"	150cm	Amplatz J Curve	7.5cm

## Guidewires - Fixed Core J Tip

### PTFE Coated Stainless Steel (Box of 10)

Catalogue #	Diameter	Length	Description	Tip Curve Radius
395420	.025"	150cm	Original; Our original wire with traditional feel and performance	1.5mm
395787	.035"	150cm	Original; Our original wire with traditional feel and performance	1.5mm
395523	.021"	150cm	Original; Our original wire with traditional feel and performance	3mm
395559	.025"	150cm	Original; Our original wire with traditional feel and performance	3mm
395600	.032"	150cm	Original; Our original wire with traditional feel and performance	3mm
388282	.035"	150cm	Classic; A stiffer body wire for increased pushability	3mm
390282	.035"	150cm	XTB; A stiffer body wire with a shorter taper for increased pushability	3mm
393182	.035"	150cm	Zebra Tip; Partially masked (from PTFE coating) J tip for increased tip extendability	3mm
393282	.035"	150cm	Flexible; Our softer tip wire for increased maneuverability	3mm
395282	.035"	150cm	Original; Our original wire with traditional feel and performance	3mm
395284	.038"	150cm	Original; Our original wire with traditional feel and performance	3mm

### PTFE Coated Stainless Steel Double-ended (Box of 10)

Catalogue #	Diameter	Length	Tip Curve Radius
395919	.035"	150cm	Str & 1.5mm



## Guidewires - Fixed Core Straight

### Mullins Tip Deflector Wires - Stainless Steel (Box of 10)

Catalogue #	Diameter	Length
395945	.018"	100cm

### Stainless Steel (Box of 10)

Catalogue #	Diameter	Length
395451	.018"	40cm
395200	.018"	80cm
395513	.021"	40cm
395206	.025"	40cm

### PTFE Coated Stainless Steel (Box of 10)

Catalogue #	Diameter	Length
395225	.025"	150cm
395687	.035"	150cm
395231	.035"	150cm

### Exchange Wires - PTFE Coated (Box of 10)

Catalogue #	Diameter	Length
395367	.025"	260cm
395369	.035"	260cm
395370	.038"	260cm

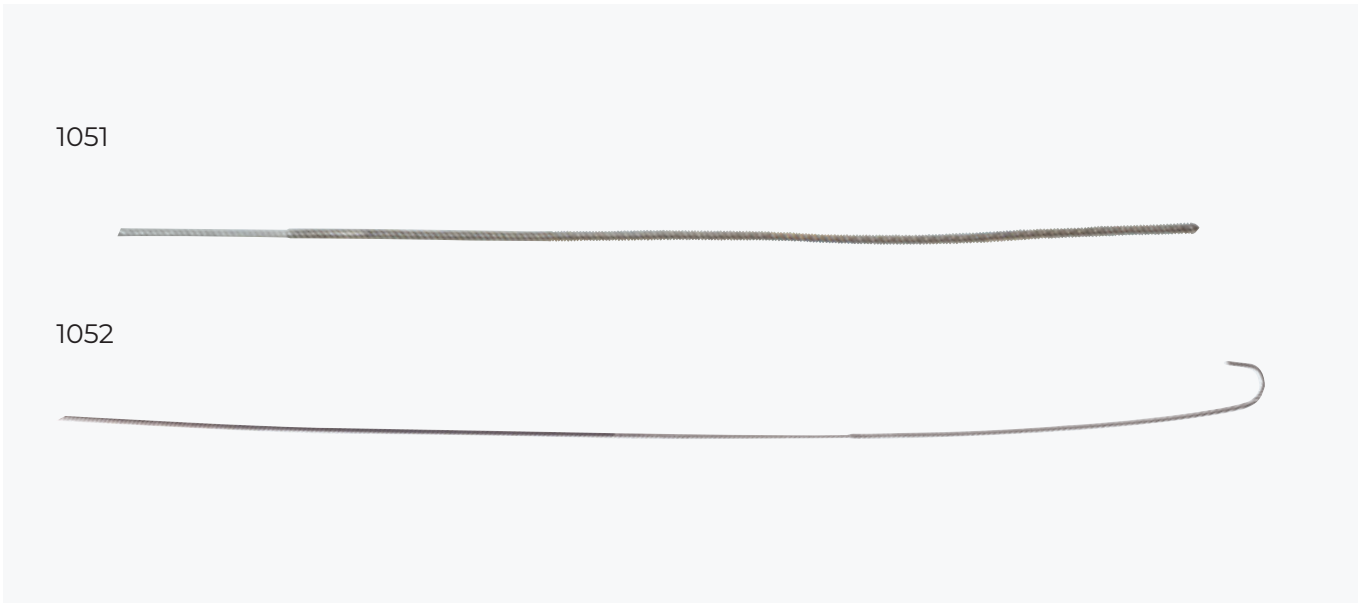
## Guidewires - Exchange Wires

### Box of 10

Catalogue #	Diameter	Length	Tip Curve Radius
395585	.025"	260cm	3mm
395722	.035"	200cm	3mm
395794	.035"	260cm	3mm

## Lunderquist Stainless Steel Guidewires

The Lunderquist Stainless Steel Guidewire is an extremely stiff guidewire used to provide extra support during non-vascular procedures. Flexible tip for access to delicate or difficult areas; Lunderquist Guidewire for firm support; available in a variety of lengths and tip configurations.



### Lunderquist Stainless Steel Guidewire - Straight (Box of 10)

Catalogue #	Diameter	Length
105128082	.028"	82cm
105135082	.035"	82cm

### Lunderquist Stainless Steel Guidewire - 3mm J Curve (Box of 10)

Catalogue #	Diameter	Length
105235082	.035"	82cm
105235120	.035"	120cm

## POINTER™ Nitinol Guidewire

Flexibility and stability, strength and malleability all in one wire – available in size .018". Excellent visibility through highly radiopaque coil tip; smooth transition from nitinol core to hydrophilic coated radiopaque tip provides excellent manoeuvrability; hydrophilic coating on tip for less traumatic path finding/ advancement; PTFE-coated nitinol shaft for minimal friction during introduction and manipulation; Nitinol shaft construction provides 1:1 torque control and kink-resistance for negotiating through tortuous anatomy.

### Box of 5

Catalogue #	Diameter	Length
180418210	.018"	210cm
180418260	.018"	260cm
180418300	.018"	300cm



## Guidewires - Specialty

### Stainless Steel (Box of 10)

Catalogue #	Diameter	Length	Tip Curve Radius
395573	.025"	40cm	3mm
395271	.035"	40cm	3mm
395654	.035"	50cm	3mm

### Stainless Steel Double-ended (Box of 10)

Catalogue #	Diameter	Length	Tip Curve Radius
395539	.032"	65cm	Str & 3mm
395680	.035"	45cm	Str & 3mm
395899	.035"	65cm	Str & 3mm

### Bentson Wires - PTFE Coated (Box of 10)

Catalogue #	Diameter	Length
395170	.035"	180cm
395930E	.035"	150cm

## Guidewires - Movable Core

### Movable Core PTFE Coated (Box of 10)

Catalogue #	Diameter	Length	Tip Curve Radius
395312	.035"	150cm	3mm

## .018" Access Wires

### Key Product Attributes:

- Smooth transition from rigid core to radiopaque coil tip provides excellent manoeuvrability
- Nitinol offers kink-resistance and torque control
- Stainless steel for maximum backup
- All guidewires have a flexible radiopaque tip

### Box of 5

Catalogue #	Diameter	Length	Core Material
107018080	.018"	80cm	Stainless Steel
172618080	.018"	80cm	Nitinol





# Fluid Management

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- **Manifolds**
- **High Pressure Injection Lines**
- **Contrast Management Systems & IV Spikes**
- **Waste Management Systems**
- **Pressure Monitoring Accessories**
- **Stopcocks**



## Manifolds

### 500psi - Right Orientation ON Handle (Box of 25)

Catalogue #	Description
193111	2 Port Manifold 500 PSI - Right/Off/Block Body
193119	3 Port Manifold - Right/Off/ Open Body - 500 PSI
193127	3 Port Manifold - Right/Off/ Block Body - 500 PSI
193117	3 Port Manifold - Right/On/ Open Body - 500 PSI

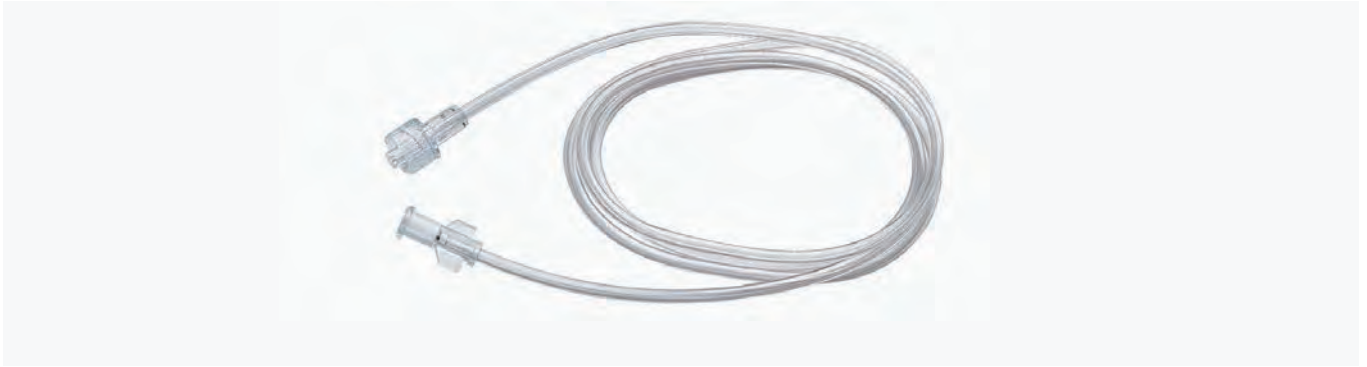


## Contrast Media Set Vented Spike

### Box of 25

Catalogue #	Description
039829999A	Contrast Media Set Vented Spike I.V. Set with 72" Line

## High Pressure Injection Lines - 1200psi



### Flexible Braided (Box of 25)

Catalogue #	10" Length (25cm)	20" Length (50cm)	30" Length (76cm)	48" Length (122cm)	60" Length (152cm)	72" Length (183cm)	96" Length (244cm)
Male to Female	193358	193359		193361		193377	193381
Rotating Adapter	193362	193363	193364	193365	193375	193378	193382

### Clear PVC (Box of 25)

Catalogue #	30" Length (76cm)	48" Length (122cm)	72" Length (183cm)
Male to Female		193353	
Rotating Adapter	193356		193373



## Waste Management Systems



### All Sets Include:

- 1500 mL PVC bag
- 72" (183cm) large bore tubing

### Box of 20

Catalogue #	Description
197530	Argo Bagz™ with Universal Spike with clasp and Dual Check Valve
197580	Argo Bagz™ with Dual Spikes: 72" (183cm) Vented Universal Spike, 72" (183cm) Contrast Spike and Dual Check Valve with 3-way Stopcock
197611	Argo Bagz™ with Dual Spikes: 2 x 72" (183cm) Vented Universal Spikes and Dual Check Valve with 3-way Stopcock
197540	Argo Bagz™ with Universal Drip Chamber with Dual Check Valve

## Pressure Monitoring Accessories

### Pressure Monitoring Tubing w/Female/Male Luers (Box of 25)

Catalogue #	Length	Tube Material
040100005A	6" (15cm)	PVC
040101005A	12" (30cm)	PVC
040102005A	24" (61cm)	PVC
040103005A	36" (91cm)	PVC
040104005A	48" (122cm)	PVC
040105005A	60" (152cm)	PVC
040106005A	72" (183cm)	PVC
040108005A	96" (244cm)	PVC
040100001A	6" (15cm)	Polyethylene
040101001A	12" (30cm)	Polyethylene
040102001A	24" (61cm)	Polyethylene
040103001A	36" (91cm)	Polyethylene
040104001A	48" (122cm)	Polyethylene
040106001A	72" (183cm)	Polyethylene

### Pressure Monitoring Tubing w/Female/Male Luers (Box of 25)

Catalogue #	Length	Tube Material
040204005A	48" (122cm)	PVC
040206005A	72" (183cm)	PVC
040208005A	96" (244cm)	PVC
040204001A	48" (122cm)	Polyethylene
040206001A	72" (183cm)	Polyethylene
040208001A	96" (244cm)	Polyethylene



## Stopcocks

### Box of 25

Catalogue #	Stopcock	Luer	PVC Monitoring Line
041210002A	4-Way	Male Luer-Lock	
041216000A	1-Way	Male Luer-Lock	
041220001A	Double 4-Way	Male Luer-Lock	
041115002A	4-Way		6" (15cm)
041112002A	4-Way		12" (30cm)
041104002A	4-Way		48" (122cm)
041107002A	4-Way		84" (218cm)

## Monitoring Accessories

### Luers, Adapters, Plugs, Holders, Brackets (Box of 25)

Catalogue #	Description
040183000A	Double Female Luer-Lock Adapter, Clear Polycarbonate
040184000A	Double Male Luer-Lock Adapter, Clear Polycarbonate

## Cardiac Output Bridges & Pole Mounted Manifolds

### Cardiac Output Bridges (Box of 10)

Catalogue #	Output Bridge	Stopcock	Ports
041400352A	In-Line Cardiac	3-Way	Colour-Coded PA & CVP

### Manifolds - Pole Mounting (Box of 20)

Catalogue #	Manifold	Port	Handles	End Port
041273501A	3-Port	Female	Colour-Coded	
041275501A	5-Port	Female	Colour-Coded	
041278501A	5-Port	Female and Male	Colour-Coded	Luer-Lock

# Product Index

7675.....	Soft Tissue Biopsy.....	36	197611.....	Fluid Management.....	90
7676.....	Soft Tissue Biopsy.....	36	216057.....	Drainage.....	23
7677.....	Soft Tissue Biopsy.....	36	216107.....	Drainage.....	23
190020.....	Endomyocardial Biopsy.....	55	216157.....	Drainage.....	23
190030.....	Endomyocardial Biopsy.....	55	218057.....	Drainage.....	23
190031.....	Endomyocardial Biopsy.....	55	218107.....	Drainage.....	23
190040.....	Endomyocardial Biopsy.....	55	218157.....	Drainage.....	23
190051.....	Endomyocardial Biopsy.....	55	218207.....	Drainage.....	23
190060.....	Endomyocardial Biopsy.....	55	242050.....	Mammography.....	47
190065.....	Endomyocardial Biopsy.....	55	242075.....	Mammography.....	47
190066.....	Endomyocardial Biopsy.....	55	242100.....	Mammography.....	47
190070.....	Endomyocardial Biopsy.....	55	242125.....	Mammography.....	47
190075.....	Endomyocardial Biopsy.....	55	243030.....	Mammography.....	48
190080.....	Endomyocardial Biopsy.....	55	243050.....	Mammography.....	48
190081.....	Endomyocardial Biopsy.....	55	243075.....	Mammography.....	48
190085.....	Endomyocardial Biopsy.....	55	243100.....	Mammography.....	48
190086.....	Endomyocardial Biopsy.....	55	243125.....	Mammography.....	48
190090.....	Endomyocardial Biopsy.....	55	251050.....	Mammography.....	46
190095.....	Endomyocardial Biopsy.....	55	251075.....	Mammography.....	46
193111.....	Fluid Management.....	88	251100.....	Mammography.....	46
193117.....	Fluid Management.....	88	251125.....	Mammography.....	46
193119.....	Fluid Management.....	88	252050.....	Mammography.....	47
193127.....	Fluid Management.....	88	252075.....	Mammography.....	47
193353.....	Fluid Management.....	89	252100.....	Mammography.....	47
193356.....	Fluid Management.....	89	252125.....	Mammography.....	47
193358.....	Fluid Management.....	89	253030.....	Mammography.....	48
193359.....	Fluid Management.....	89	253050.....	Mammography.....	48
193361.....	Fluid Management.....	89	253075.....	Mammography.....	48
193362.....	Fluid Management.....	89	253100.....	Mammography.....	48
193363.....	Fluid Management.....	89	253125.....	Mammography.....	48
193364.....	Fluid Management.....	89	266050.....	Mammography.....	50
193365.....	Fluid Management.....	89	266075.....	Mammography.....	50
193373.....	Fluid Management.....	89	266100.....	Mammography.....	50
193375.....	Fluid Management.....	89	388282.....	Guidewires.....	80
193377.....	Fluid Management.....	89	390282.....	Guidewires.....	80
193378.....	Fluid Management.....	89	393182.....	Guidewires.....	80
193381.....	Fluid Management.....	89	393282.....	Guidewires.....	80
193382.....	Fluid Management.....	89	395170.....	Guidewires.....	84
195311.....	Introducer Sets & Arterial Needles.....	74	395200.....	Guidewires.....	81
195312.....	Introducer Sets & Arterial Needles.....	74	395206.....	Guidewires.....	81
195317.....	Introducer Sets & Arterial Needles.....	74	395225.....	Guidewires.....	81
195318.....	Introducer Sets & Arterial Needles.....	74	395231.....	Guidewires.....	81
195319.....	Introducer Sets & Arterial Needles.....	74	395271.....	Guidewires.....	84
195322.....	Introducer Sets & Arterial Needles.....	74	395282.....	Guidewires.....	80
195323.....	Introducer Sets & Arterial Needles.....	74	395284.....	Guidewires.....	80
195326.....	Introducer Sets & Arterial Needles.....	74	395312.....	Guidewires.....	84
195352.....	Introducer Sets & Arterial Needles.....	74	395367.....	Guidewires.....	81
197530.....	Fluid Management.....	90	395369.....	Guidewires.....	81
197540.....	Fluid Management.....	90	395370.....	Guidewires.....	81
197580.....	Fluid Management.....	90	395420.....	Guidewires.....	80

395451.....	Guidewires.....	81	497850.....	Introducer Sets & Arterial Needles.....	70
395513.....	Guidewires.....	81	497861.....	Endomyocardial Biopsy.....	55
395523.....	Guidewires.....	80	497861.....	Introducer Sets & Arterial Needles.....	70
395539.....	Guidewires.....	84	497862.....	Endomyocardial Biopsy.....	55
395559.....	Guidewires.....	80	497862.....	Introducer Sets & Arterial Needles.....	70
395573.....	Guidewires.....	84	497865.....	Introducer Sets & Arterial Needles.....	70
395585.....	Guidewires.....	81	700015.....	Thrombus Management.....	6
395600.....	Guidewires.....	80	700115.....	Thrombus Management.....	6
395654.....	Guidewires.....	84	105128082.....	Guidewires.....	82
395680.....	Guidewires.....	84	105135082.....	Guidewires.....	82
395687.....	Guidewires.....	81	105235082.....	Guidewires.....	82
395722.....	Guidewires.....	81	105235120.....	Guidewires.....	82
395787.....	Guidewires.....	80	107018080.....	Guidewires.....	84
395794.....	Guidewires.....	81	110135080.....	Guidewires.....	78
395899.....	Guidewires.....	84	110135150.....	Guidewires.....	78
395919.....	Guidewires.....	80	110135180.....	Guidewires.....	78
395945.....	Guidewires.....	81	110135300.....	Guidewires.....	78
496004.....	Endomyocardial Biopsy.....	55	110135400.....	Guidewires.....	78
496004.....	Introducer Sets & Arterial Needles.....	69	110535080.....	Guidewires.....	78
496005.....	Endomyocardial Biopsy.....	55	110535150.....	Guidewires.....	78
496005.....	Introducer Sets & Arterial Needles.....	69	110535180.....	Guidewires.....	78
496006.....	Endomyocardial Biopsy.....	55	110535260.....	Guidewires.....	78
496006.....	Introducer Sets & Arterial Needles.....	69	114035090.....	Guidewires.....	79
496007.....	Endomyocardial Biopsy.....	55	114035150.....	Guidewires.....	79
496007.....	Introducer Sets & Arterial Needles.....	69	114035180.....	Guidewires.....	79
496008.....	Endomyocardial Biopsy.....	55	114035260.....	Guidewires.....	79
496008.....	Introducer Sets & Arterial Needles.....	69	114135080.....	Guidewires.....	79
496009.....	Endomyocardial Biopsy.....	55	114135150.....	Guidewires.....	79
496009.....	Introducer Sets & Arterial Needles.....	69	114135180.....	Guidewires.....	79
496124.....	Introducer Sets & Arterial Needles.....	72	114135260.....	Guidewires.....	79
496132.....	Introducer Sets & Arterial Needles.....	71	114235090.....	Guidewires.....	79
496133.....	Introducer Sets & Arterial Needles.....	71	114235150.....	Guidewires.....	79
496134.....	Introducer Sets & Arterial Needles.....	71	172618080.....	Guidewires.....	84
496135.....	Introducer Sets & Arterial Needles.....	71	180418210.....	Guidewires.....	83
496136.....	Introducer Sets & Arterial Needles.....	71	180418260.....	Guidewires.....	83
496150.....	Introducer Sets & Arterial Needles.....	73	180418300.....	Guidewires.....	83
496151.....	Introducer Sets & Arterial Needles.....	73	381003004.....	Thrombus Management.....	8
496152.....	Introducer Sets & Arterial Needles.....	73	381003008.....	Thrombus Management.....	8
496153.....	Introducer Sets & Arterial Needles.....	73	382006010.....	Thrombus Management.....	8
496154.....	Introducer Sets & Arterial Needles.....	73	382006015.....	Thrombus Management.....	8
496155.....	Introducer Sets & Arterial Needles.....	73	382006020.....	Thrombus Management.....	8
496156.....	Introducer Sets & Arterial Needles.....	73	382007030.....	Thrombus Management.....	8
496183.....	Introducer Sets & Arterial Needles.....	72	382007045.....	Thrombus Management.....	8
497820.....	Introducer Sets & Arterial Needles.....	70	403943015.....	Drainage.....	26
497830.....	Endomyocardial Biopsy.....	55	404017015.....	Drainage.....	26
497830.....	Introducer Sets & Arterial Needles.....	70	404017030.....	Drainage.....	26
497840.....	Endomyocardial Biopsy.....	55	404018015.....	Drainage.....	26
497840.....	Introducer Sets & Arterial Needles.....	70	404018030.....	Drainage.....	26
497841.....	Endomyocardial Biopsy.....	55	404022000.....	Drainage.....	26
497841.....	Introducer Sets & Arterial Needles.....	70	404024000.....	Drainage.....	26

# Product Index

404040015.....	Drainage .....	26	701118090.....	Soft Tissue Biopsy.....	35
404040030.....	Drainage .....	26	701118150.....	Soft Tissue Biopsy.....	35
404043015.....	Drainage .....	26	701118200.....	Soft Tissue Biopsy.....	35
404043030.....	Drainage .....	26	701120060.....	Soft Tissue Biopsy.....	35
404343015.....	Drainage .....	26	701120090.....	Soft Tissue Biopsy.....	35
404343030.....	Drainage .....	26	701120150.....	Soft Tissue Biopsy.....	35
404743015.....	Drainage .....	26	701120200.....	Soft Tissue Biopsy.....	35
401012010.....	Drainage .....	26	701214090.....	Soft Tissue Biopsy.....	35
401012025.....	Drainage .....	26	701214150.....	Soft Tissue Biopsy.....	35
401012050.....	Drainage .....	26	701214200.....	Soft Tissue Biopsy.....	35
401012080.....	Drainage .....	26	701216090.....	Soft Tissue Biopsy.....	35
401013025.....	Drainage .....	26	701216150.....	Soft Tissue Biopsy.....	35
401013050.....	Drainage .....	26	701216200.....	Soft Tissue Biopsy.....	35
401013080.....	Drainage .....	26	701218090.....	Soft Tissue Biopsy.....	35
500118200.....	Men's & Women's Health.....	65	701218150.....	Soft Tissue Biopsy.....	35
500718015.....	Drainage .....	23	701218200.....	Soft Tissue Biopsy.....	35
500718020.....	Drainage .....	23	701220090.....	Soft Tissue Biopsy.....	35
500918015.....	Drainage .....	23	701220150.....	Soft Tissue Biopsy.....	35
500918033.....	Drainage .....	23	701220200.....	Soft Tissue Biopsy.....	35
500921015.....	Drainage .....	23	750308000.....	Drainage .....	18
500922025.....	Drainage .....	23	750308100.....	Drainage .....	18
601305025.....	Drainage .....	22	750310000.....	Drainage .....	18
651506000.....	Drainage .....	20	750312000.....	Drainage .....	18
651506300.....	Drainage .....	20	750314000.....	Drainage .....	18
654506200.....	Drainage .....	21	755208040.....	Drainage .....	15
655006020.....	Drainage .....	21	755210040.....	Drainage .....	15
655406300.....	Drainage .....	21	755212040.....	Drainage .....	15
655506000.....	Drainage .....	20	755308040.....	Drainage .....	15
655506300.....	Drainage .....	20	755310040.....	Drainage .....	15
660005040.....	Men's & Women's Health.....	64	755312040.....	Drainage .....	15
660007040.....	Men's & Women's Health.....	64	756106035.....	Drainage .....	13
692806700.....	Drainage .....	21	756107035.....	Drainage .....	13
692806800.....	Drainage .....	21	756108035.....	Drainage .....	13
700304007.....	Drainage .....	16	756110035.....	Drainage .....	13
700304010.....	Drainage .....	16	756112035.....	Drainage .....	13
700304015.....	Drainage .....	16	756114035.....	Drainage .....	13
700305007.....	Drainage .....	16	756116035.....	Drainage .....	13
700305010.....	Drainage .....	16	756607035.....	Drainage .....	13
700305015.....	Drainage .....	16	756106015.....	Drainage .....	13
700305020.....	Drainage .....	16	756106020.....	Drainage .....	13
700405015.....	Drainage .....	16	756106025.....	Drainage .....	13
701114060.....	Soft Tissue Biopsy.....	35	756107020.....	Drainage .....	13
701114090.....	Soft Tissue Biopsy.....	35	756107025.....	Drainage .....	13
701114150.....	Soft Tissue Biopsy.....	35	756108020.....	Drainage .....	13
701114200.....	Soft Tissue Biopsy.....	35	756108025.....	Drainage .....	13
701116060.....	Soft Tissue Biopsy.....	35	756108030.....	Drainage .....	13
701116090.....	Soft Tissue Biopsy.....	35	756110020.....	Drainage .....	13
701116150.....	Soft Tissue Biopsy.....	35	756110025.....	Drainage .....	13
701116200.....	Soft Tissue Biopsy.....	35	756110030.....	Drainage .....	13
701118060.....	Soft Tissue Biopsy.....	35	756112020.....	Drainage .....	13



756112025.....	Drainage .....	13	757312000 .....	Drainage .....	17
756114020.....	Drainage .....	13	757314700 .....	Drainage .....	17
756114025.....	Drainage .....	13	758606015.....	Drainage .....	14
756116025.....	Drainage .....	13	758606020.....	Drainage .....	14
756606015.....	Drainage .....	13	758606025.....	Drainage .....	14
756606020.....	Drainage .....	13	758607015.....	Drainage .....	14
756606025.....	Drainage .....	13	758607025.....	Drainage .....	14
756606035.....	Drainage .....	13	758608015.....	Drainage .....	14
756607015.....	Drainage .....	13	758608025.....	Drainage .....	14
756607020.....	Drainage .....	13	758610015.....	Drainage .....	14
756607025.....	Drainage .....	13	758610025.....	Drainage .....	14
756608015.....	Drainage .....	13	758612015.....	Drainage .....	14
756608020.....	Drainage .....	13	758612025.....	Drainage .....	14
756608025.....	Drainage .....	13	758614025.....	Drainage .....	14
756608030.....	Drainage .....	13	762614100.....	Soft Tissue Biopsy .....	39
756608035.....	Drainage .....	13	762614130.....	Soft Tissue Biopsy .....	39
756608045.....	Drainage .....	13	762614160.....	Soft Tissue Biopsy .....	39
756610015.....	Drainage .....	13	762616100.....	Soft Tissue Biopsy .....	39
756610020.....	Drainage .....	13	762616130.....	Soft Tissue Biopsy .....	39
756610025.....	Drainage .....	13	762616160.....	Soft Tissue Biopsy .....	39
756610030.....	Drainage .....	13	762616200.....	Soft Tissue Biopsy .....	39
756610035.....	Drainage .....	13	762618100.....	Soft Tissue Biopsy .....	39
756610045.....	Drainage .....	13	762618130.....	Soft Tissue Biopsy .....	39
756610060.....	Drainage .....	13	762618160.....	Soft Tissue Biopsy .....	39
756612015.....	Drainage .....	13	762618200.....	Soft Tissue Biopsy .....	39
756612020.....	Drainage .....	13	762618250.....	Soft Tissue Biopsy .....	39
756612025.....	Drainage .....	13	762618300.....	Soft Tissue Biopsy .....	39
756612030.....	Drainage .....	13	765014100.....	Soft Tissue Biopsy .....	37
756612035.....	Drainage .....	13	765014120.....	Soft Tissue Biopsy .....	37
756612045.....	Drainage .....	13	765014160.....	Soft Tissue Biopsy .....	37
756612060.....	Drainage .....	13	765014200.....	Soft Tissue Biopsy .....	37
756614015.....	Drainage .....	13	765016100.....	Soft Tissue Biopsy .....	37
756614020.....	Drainage .....	13	765016160.....	Soft Tissue Biopsy .....	37
756614025.....	Drainage .....	13	765016200.....	Soft Tissue Biopsy .....	37
756614030.....	Drainage .....	13	765016250.....	Soft Tissue Biopsy .....	37
756614035.....	Drainage .....	13	765018100.....	Soft Tissue Biopsy .....	37
756614045.....	Drainage .....	13	765018160.....	Soft Tissue Biopsy .....	37
756614060.....	Drainage .....	13	765018200.....	Soft Tissue Biopsy .....	37
756616025.....	Drainage .....	13	765018250.....	Soft Tissue Biopsy .....	37
756616030.....	Drainage .....	13	765018300.....	Soft Tissue Biopsy .....	37
756616035.....	Drainage .....	13	765020100.....	Soft Tissue Biopsy .....	37
756616045.....	Drainage .....	13	765020160.....	Soft Tissue Biopsy .....	37
756616060.....	Drainage .....	13	765114080.....	Soft Tissue Biopsy .....	36
757306600.....	Drainage .....	17	765114120.....	Soft Tissue Biopsy .....	36
757306700.....	Drainage .....	17	765116080.....	Soft Tissue Biopsy .....	36
757307000.....	Drainage .....	17	765116120.....	Soft Tissue Biopsy .....	36
757308000.....	Drainage .....	17	765118080.....	Soft Tissue Biopsy .....	36
757308600.....	Drainage .....	17	765118120.....	Soft Tissue Biopsy .....	36
757308700.....	Drainage .....	17	765118160.....	Soft Tissue Biopsy .....	36
757310000.....	Drainage .....	17	765310300.....	Drainage .....	19

# Product Index

767308300.....	Drainage .....	19	360-1580-03.....	Soft Tissue Biopsy .....	31
767310000 .....	Drainage .....	19	360-2080-01 .....	Soft Tissue Biopsy .....	32
802500001.....	Drainage .....	24	360-2080-02.....	Soft Tissue Biopsy .....	31
039829999A .....	Fluid Management.....	88	360-2080-03.....	Soft Tissue Biopsy .....	31
040100001A.....	Fluid Management.....	91	370-1080-01.....	Soft Tissue Biopsy .....	32
040100005A.....	Fluid Management.....	91	370-1080-02.....	Soft Tissue Biopsy .....	31
040101001A.....	Fluid Management.....	91	370-1080-03.....	Soft Tissue Biopsy .....	31
040101005A .....	Fluid Management.....	91	370-1580-01.....	Soft Tissue Biopsy .....	32
040102001A .....	Fluid Management.....	91	370-1580-02.....	Soft Tissue Biopsy .....	31
040102005A .....	Fluid Management.....	91	370-1580-03.....	Soft Tissue Biopsy .....	31
040103001A .....	Fluid Management.....	91	391504300E .....	Introducer Sets & Arterial Needles.....	68
040103005A .....	Fluid Management.....	91	391504400E .....	Introducer Sets & Arterial Needles.....	68
040104001A.....	Fluid Management.....	91	391504500E .....	Introducer Sets & Arterial Needles.....	68
040104005A.....	Fluid Management.....	91	391505000E .....	Introducer Sets & Arterial Needles.....	68
040105005A .....	Fluid Management.....	91	391505300E.....	Introducer Sets & Arterial Needles.....	68
040106001A.....	Fluid Management.....	91	391505400E .....	Introducer Sets & Arterial Needles.....	68
040106005A .....	Fluid Management.....	91	391505500E.....	Introducer Sets & Arterial Needles.....	68
040108005A.....	Fluid Management.....	91	391604000E.....	Introducer Sets & Arterial Needles.....	69
040183000A.....	Fluid Management.....	92	391604300E.....	Introducer Sets & Arterial Needles.....	69
040184000A.....	Fluid Management.....	92	391604400E.....	Introducer Sets & Arterial Needles.....	69
040204001A.....	Fluid Management.....	91	391604500E.....	Introducer Sets & Arterial Needles.....	69
040204005A.....	Fluid Management.....	91	391605000E.....	Introducer Sets & Arterial Needles.....	69
040206001A.....	Fluid Management.....	91	391605300E.....	Introducer Sets & Arterial Needles.....	69
040206005A.....	Fluid Management.....	91	391605400E.....	Introducer Sets & Arterial Needles.....	69
040208001A.....	Fluid Management.....	91	395930E.....	Guidewires .....	84
040208005A.....	Fluid Management.....	91	500318200SX .....	Men's & Women's Health.....	65
041104002A .....	Fluid Management.....	92	500518200X .....	Men's & Women's Health.....	65
041107002A.....	Introducer Sets & Arterial Needles.....	74	500618200X .....	Men's & Women's Health.....	65
041107002A.....	Fluid Management.....	92	700009XT .....	Thrombus Management .....	6
041112002A .....	Fluid Management.....	92	700109XT .....	Thrombus Management .....	6
041115002A.....	Fluid Management.....	92	763114100X.....	Soft Tissue Biopsy .....	34
041210002A.....	Fluid Management.....	92	763114160X.....	Soft Tissue Biopsy .....	34
041216000A.....	Fluid Management.....	92	763114200X.....	Soft Tissue Biopsy .....	34
041220001A.....	Fluid Management.....	92	763116100X.....	Soft Tissue Biopsy .....	34
041273501A.....	Fluid Management.....	93	763116160X.....	Soft Tissue Biopsy .....	34
041275501A.....	Fluid Management.....	93	763116200X.....	Soft Tissue Biopsy .....	34
041278501A .....	Fluid Management.....	93	763118100X.....	Soft Tissue Biopsy .....	34
041400352A.....	Fluid Management.....	93	763118160X.....	Soft Tissue Biopsy .....	34
231030G.....	Mammography.....	46	763118200X.....	Soft Tissue Biopsy .....	34
231050G.....	Mammography.....	46	763120100X.....	Soft Tissue Biopsy .....	34
231075G .....	Mammography.....	46	763120160X.....	Soft Tissue Biopsy .....	34
231100G.....	Mammography.....	46	763120200X.....	Soft Tissue Biopsy .....	34
231125G.....	Mammography.....	46	763418200X.....	Soft Tissue Biopsy .....	34
352506070E.....	Thrombus Management .....	4	763418250X.....	Soft Tissue Biopsy .....	34
352506100E.....	Thrombus Management .....	4	ACN1410MF.....	Soft Tissue Biopsy .....	38
360-1080-01 .....	Soft Tissue Biopsy .....	32	ACN1412MF .....	Soft Tissue Biopsy .....	38
360-1080-02.....	Soft Tissue Biopsy .....	31	ACN1416MF.....	Soft Tissue Biopsy .....	38
360-1080-03.....	Soft Tissue Biopsy .....	31	ACN1610MF.....	Soft Tissue Biopsy .....	38
360-1580-01.....	Soft Tissue Biopsy .....	32	ACN1616MF.....	Soft Tissue Biopsy .....	38
360-1580-02.....	Soft Tissue Biopsy .....	31	ACN1620MF.....	Soft Tissue Biopsy .....	38

ACN1810MF.....Soft Tissue Biopsy.....	38	MCN1806.....Soft Tissue Biopsy.....	41
ACN1816MF.....Soft Tissue Biopsy.....	38	MCN1806US.....Soft Tissue Biopsy.....	41
ACN1820MF.....Soft Tissue Biopsy.....	38	MCN1808.....Soft Tissue Biopsy.....	41
ACN1825MF.....Soft Tissue Biopsy.....	38	MCN1808US.....Soft Tissue Biopsy.....	41
BGWI1802.....Introducer Sets & Arterial Needles.....	75	MCN2003.....Soft Tissue Biopsy.....	41
BGWI1902.....Introducer Sets & Arterial Needles.....	75	MCN2003US.....Soft Tissue Biopsy.....	41
BLN2003.....Mammography.....	49	MCN2006.....Soft Tissue Biopsy.....	41
BLN2005.....Mammography.....	49	MCN2006US.....Soft Tissue Biopsy.....	41
BLN20075.....Mammography.....	49	MCN2008.....Soft Tissue Biopsy.....	41
BLN2010.....Mammography.....	49	MCN2008US.....Soft Tissue Biopsy.....	41
BLN2015.....Mammography.....	49	MCN2203.....Soft Tissue Biopsy.....	41
BLN2105.....Mammography.....	49	MCN2203US.....Soft Tissue Biopsy.....	41
BLN21075.....Mammography.....	49	MCN2206.....Soft Tissue Biopsy.....	41
BLN2110.....Mammography.....	49	MCN2206US.....Soft Tissue Biopsy.....	41
BLND2005.....Mammography.....	50	MCN2208.....Soft Tissue Biopsy.....	41
BLND20075.....Mammography.....	50	MCN2208US.....Soft Tissue Biopsy.....	41
BLND2010.....Mammography.....	50	MCXS1408SX.....Soft Tissue Biopsy.....	36
BMHN1104VX.....Bone & Bone Marrow Biopsy.....	59	MCXS1409LX.....Soft Tissue Biopsy.....	35
BMHN1104X.....Bone & Bone Marrow Biopsy.....	59	MCXS1410AX.....Soft Tissue Biopsy.....	37
BMHN1302X.....Bone & Bone Marrow Biopsy.....	59	MCXS1410AX.....Soft Tissue Biopsy.....	38
BMHN1303X.....Bone & Bone Marrow Biopsy.....	59	MCXS1410MX.....Soft Tissue Biopsy.....	39
BMHN1304VX.....Bone & Bone Marrow Biopsy.....	59	MCXS1410TX.....Soft Tissue Biopsy.....	34
BMHN1304X.....Bone & Bone Marrow Biopsy.....	59	MCXS1412SX.....Soft Tissue Biopsy.....	36
DBAG600.....Drainage.....	25	MCXS1415LX.....Soft Tissue Biopsy.....	35
850007350.....Drainage.....	25	MCXS1416AX.....Soft Tissue Biopsy.....	37
DBMNI1501.....Bone & Bone Marrow Biopsy.....	59	MCXS1416AX.....Soft Tissue Biopsy.....	38
DBMNI1504.....Bone & Bone Marrow Biopsy.....	59	MCXS1416MX.....Soft Tissue Biopsy.....	39
DBMNI1601.....Bone & Bone Marrow Biopsy.....	59	MCXS1416TX.....Soft Tissue Biopsy.....	34
DBMNJ0804TL.....Bone & Bone Marrow Biopsy.....	58	MCXS1420LX.....Soft Tissue Biopsy.....	35
DBMNJ0806TL.....Bone & Bone Marrow Biopsy.....	58	MCXS1608SX.....Soft Tissue Biopsy.....	36
DBMNJ1104D.....Bone & Bone Marrow Biopsy.....	58	MCXS1609LX.....Soft Tissue Biopsy.....	35
DBMNJ1104TL.....Bone & Bone Marrow Biopsy.....	58	MCXS1610AX.....Soft Tissue Biopsy.....	37
DBMNJ1106TL.....Bone & Bone Marrow Biopsy.....	58	MCXS1610AX.....Soft Tissue Biopsy.....	38
DBMNJ13025.....Bone & Bone Marrow Biopsy.....	58	MCXS1610AX.....Bone & Bone Marrow Biopsy.....	60
DBMNJ1304.....Bone & Bone Marrow Biopsy.....	58	MCXS1610BP.....Soft Tissue Biopsy.....	31
DGK002SX.....Mammography.....	51	MCXS1610BPU.....Soft Tissue Biopsy.....	31
DGK002X.....Mammography.....	51	MCXS1610MX.....Soft Tissue Biopsy.....	39
GW11802.....Introducer Sets & Arterial Needles.....	75	MCXS1610TX.....Soft Tissue Biopsy.....	34
GW11802WW.....Introducer Sets & Arterial Needles.....	75	MCXS1612SX.....Soft Tissue Biopsy.....	36
GW11902.....Introducer Sets & Arterial Needles.....	75	MCXS1615BP.....Soft Tissue Biopsy.....	31
ION18015.....Bone & Bone Marrow Biopsy.....	60	MCXS1615BPU.....Soft Tissue Biopsy.....	31
ISN1915.....Drainage.....	22	MCXS1615LX.....Soft Tissue Biopsy.....	35
ISN1920.....Drainage.....	22	MCXS1616AX.....Soft Tissue Biopsy.....	37
LNGC14GX.....Mammography.....	51	MCXS1616AX.....Soft Tissue Biopsy.....	38
LNGC1619PX.....Mammography.....	51	MCXS1616AX.....Bone & Bone Marrow Biopsy.....	60
LNGC2022YX.....Mammography.....	51	MCXS1616MX.....Soft Tissue Biopsy.....	39
LNGO1619PX.....Mammography.....	51	MCXS1616TX.....Soft Tissue Biopsy.....	34
LNGO2022YX.....Mammography.....	51	MCXS1808SX.....Soft Tissue Biopsy.....	36
MCN1803.....Soft Tissue Biopsy.....	41	MCXS1809LX.....Soft Tissue Biopsy.....	35
MCN1803US.....Soft Tissue Biopsy.....	41	MCXS1810AX.....Soft Tissue Biopsy.....	37

# Product Index

MCXS1810AX.....Soft Tissue Biopsy.....	38	MMC2206US.....Soft Tissue Biopsy.....	40
MCXS1810BP.....Soft Tissue Biopsy.....	31	MMCI2203US.....Soft Tissue Biopsy.....	40
MCXS1810BPU.....Soft Tissue Biopsy.....	31	MMCI2206US.....Soft Tissue Biopsy.....	40
MCXS1810MX.....Soft Tissue Biopsy.....	39	MSPN1803.....Soft Tissue Biopsy.....	42
MCXS1810TX.....Soft Tissue Biopsy.....	34	MSPN1806.....Soft Tissue Biopsy.....	42
MCXS1812SX.....Soft Tissue Biopsy.....	36	MSPN2003.....Soft Tissue Biopsy.....	42
MCXS1815BP.....Soft Tissue Biopsy.....	31	MSPN2003US.....Soft Tissue Biopsy.....	42
MCXS1815BPU.....Soft Tissue Biopsy.....	31	MSPN2006.....Soft Tissue Biopsy.....	42
MCXS1815LX.....Soft Tissue Biopsy.....	35	MSPN2006US.....Soft Tissue Biopsy.....	42
MCXS1816AX.....Soft Tissue Biopsy.....	37	MSPN2203.....Soft Tissue Biopsy.....	42
MCXS1816AX.....Soft Tissue Biopsy.....	38	MSPN2203US.....Soft Tissue Biopsy.....	42
MCXS1816MX.....Soft Tissue Biopsy.....	39	MSPN2206.....Soft Tissue Biopsy.....	42
MCXS1816TX.....Soft Tissue Biopsy.....	34	MSPN2206US.....Soft Tissue Biopsy.....	42
MCXS1820AX.....Soft Tissue Biopsy.....	37	MSPN2208.....Soft Tissue Biopsy.....	42
MCXS1820AX.....Soft Tissue Biopsy.....	38	MTN1806.....Soft Tissue Biopsy.....	42
MCXS1820BP.....Soft Tissue Biopsy.....	31	MTN1808.....Soft Tissue Biopsy.....	42
MCXS1820BPU.....Soft Tissue Biopsy.....	31	MWN2003.....Soft Tissue Biopsy.....	41
MCXS1820LX.....Soft Tissue Biopsy.....	35	MWN2003US.....Soft Tissue Biopsy.....	41
MCXS1820MX.....Soft Tissue Biopsy.....	39	MWN2006.....Soft Tissue Biopsy.....	41
MCXS1820TX.....Soft Tissue Biopsy.....	34	MWN2006US.....Soft Tissue Biopsy.....	41
MCXS2009LY.....Soft Tissue Biopsy.....	35	MWN2008.....Soft Tissue Biopsy.....	41
MCXS2010AY.....Soft Tissue Biopsy.....	37	MWN2203.....Soft Tissue Biopsy.....	41
MCXS2010TY.....Soft Tissue Biopsy.....	34	MWN2203US.....Soft Tissue Biopsy.....	41
MCXS2015LY.....Soft Tissue Biopsy.....	35	MWN2206.....Soft Tissue Biopsy.....	41
MCXS2016AY.....Soft Tissue Biopsy.....	37	MWN2206US.....Soft Tissue Biopsy.....	41
MCXS2016TY.....Soft Tissue Biopsy.....	34	MWN2208.....Soft Tissue Biopsy.....	41
MCXS2020LY.....Soft Tissue Biopsy.....	35	MWN2208US.....Soft Tissue Biopsy.....	41
MFN1803.....Soft Tissue Biopsy.....	43	OBN16075.....Bone & Bone Marrow Biopsy.....	60
MFN1803US.....Soft Tissue Biopsy.....	43	OBN16125.....Bone & Bone Marrow Biopsy.....	60
MFN1806.....Soft Tissue Biopsy.....	43	OBN16165.....Bone & Bone Marrow Biopsy.....	60
MFN1806US.....Soft Tissue Biopsy.....	43	SN1802.....Introducer Sets & Arterial Needles.....	75
MFN1808.....Soft Tissue Biopsy.....	43	SN1902.....Introducer Sets & Arterial Needles.....	75
MFN1808US.....Soft Tissue Biopsy.....	43	TL-18C.....Soft Tissue Biopsy.....	33
MFN2003.....Soft Tissue Biopsy.....	43	TL-19.....Soft Tissue Biopsy.....	33
MFN2003US.....Soft Tissue Biopsy.....	43	TL-18N.....Soft Tissue Biopsy.....	33
MFN2006.....Soft Tissue Biopsy.....	43	TL-19N.....Soft Tissue Biopsy.....	33
MFN2006US.....Soft Tissue Biopsy.....	43		
MFN2008.....Soft Tissue Biopsy.....	43		
MFN2008US.....Soft Tissue Biopsy.....	43		
MFN2203.....Soft Tissue Biopsy.....	43		
MFN2203US.....Soft Tissue Biopsy.....	43		
MFN2206.....Soft Tissue Biopsy.....	43		
MFN2206US.....Soft Tissue Biopsy.....	43		
MFN2208.....Soft Tissue Biopsy.....	43		
MFN2208US.....Soft Tissue Biopsy.....	43		
MGN2206X.....Soft Tissue Biopsy.....	42		
MMC2202US.....Soft Tissue Biopsy.....	40		
MMC2203.....Soft Tissue Biopsy.....	40		
MMC2203US.....Soft Tissue Biopsy.....	40		
MMC2206.....Soft Tissue Biopsy.....	40		

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