

I n t e r v e n t i o n a l P r o d u c t s C a t a l o g

Corporate Profile

Angiotech is a global specialty pharmaceutical and medical device company that discovers, develops and markets innovative technologies and medical products primarily for local diseases or for complications associated with medical device implants, surgical interventions and acute injury.

In 2006, Angiotech acquired American Medical Instrument Holdings, Inc., (AMI) expanding our core strength as an innovative, highly successful R&D company. As part of AMI, Surgical Specialties, Inc. and Medical Device Technologies, Inc. (previously known as MD Tech or InterV) were aquired, and those entities are now under the Angiotech name. Today, Angiotech has several specialized direct sales and distribution organizations in the United States, European Union and worldwide, as well as significant manufacturing capabilities.

At Angiotech, we are redefining success by striving to create novel medical solutions that elevate the standard of care and improve people's lives.

Interventional

Angiotech's interventional product line includes a variety of devices for biopsy, drainage and vascular procedures. We offer an extensive range of reliable soft tissue biopsy needles and instruments to meet the clinical requirements of most percutaneous biopsy procedures. Our established product lines include brands such as BioPince™, Tru-Core™ II, Pro-Mag™, T-Lok™ and MaxiCELL™. Our drainage product portfolio is led by our Skater™ brand, and our vascular line includes products like Atrieve™ vascular snare kit, V•Stick™ vascular access set, and V+Pad™ hemostasis dressing. These lines are complimented by galactography kits, hystero-access catheters, prostate stabilization sets and seeding needles, and our complete portfolio of breast localization needles to meet our customers' interventional radiology needs.

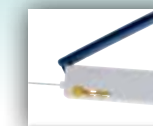
Other Angiotech branded products include:

- Quill™ knotless tissue-closure device
- Sharpoint™ disposable ophthalmic instruments
- Sharpoint™ and LOOK™ sutures
- Sharpoint M.E.T.™ microsurgical sutures
- Tan EndoGlide™ endothelial insertion device
- Angiotech Partner Solutions (APS) – private label and OEM products

To learn about all of Angiotech's product offerings, visit us online at www.angiotech.com.

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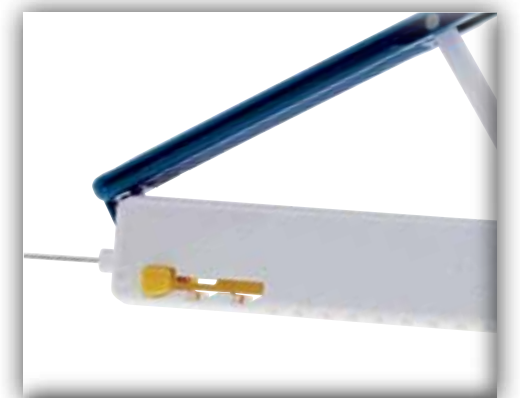


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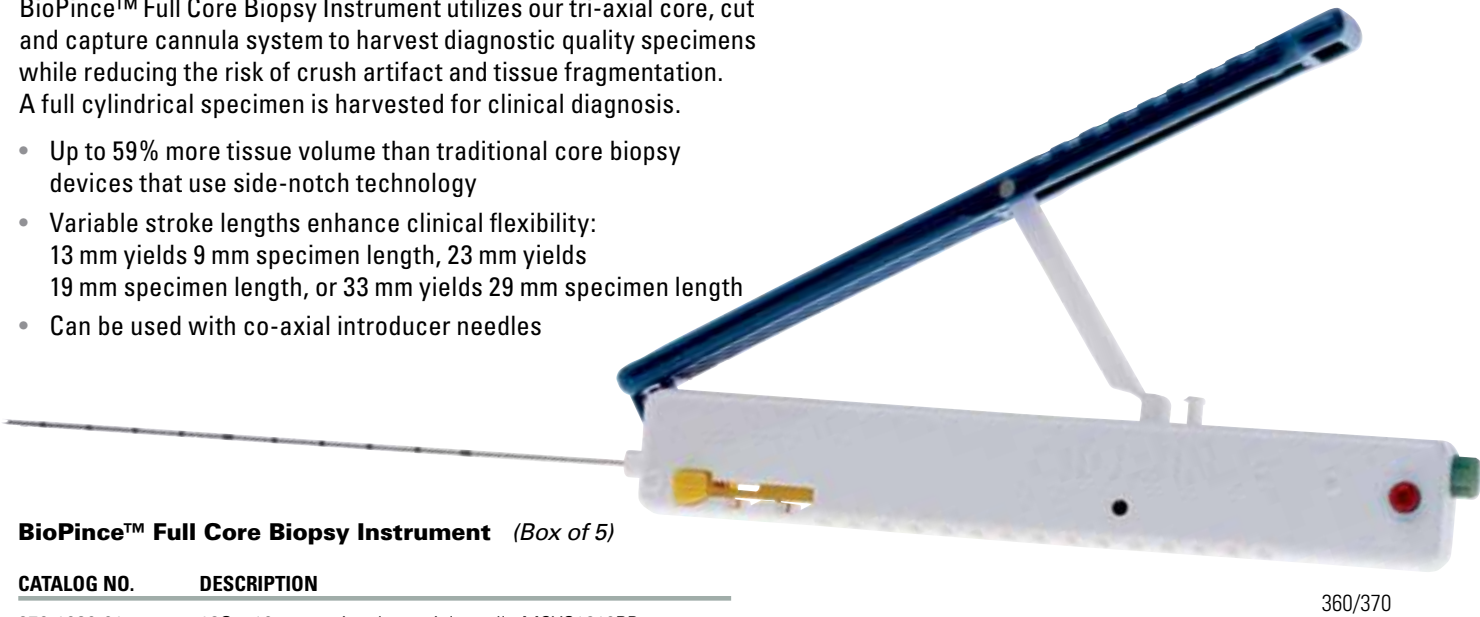
Biopsy



BioPince™ Full Core Biopsy Instrument

BioPince™ Full Core Biopsy Instrument utilizes our tri-axial core, cut and capture cannula 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 59% more tissue volume than traditional core biopsy devices that use side-notch technology
- Variable stroke lengths enhance clinical flexibility: 13 mm yields 9 mm specimen length, 23 mm yields 19 mm specimen length, or 33 mm yields 29 mm specimen length
- Can be used with co-axial introducer needles



BioPince™ Full Core Biopsy Instrument (Box of 5)

CATALOG NO.	DESCRIPTION
370-1080-01	16G x 10 cm, optional co-axial needle MCXS1610BP
370-1580-01	16G x 15 cm, optional co-axial needle MCXS1615BP
360-1080-01	18G x 10 cm, optional co-axial needle MCXS1810BP
360-1580-01	18G x 15 cm, optional co-axial needle MCXS1815BP
360-2080-01	18G x 20 cm, optional co-axial needle MCXS1820BP

Optional Co-axial Introducer Needles (sold separately) (Box of 5)

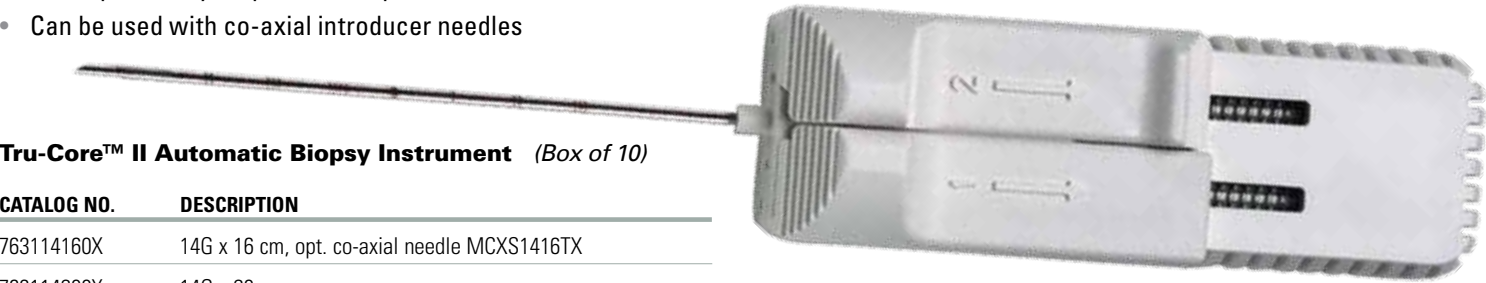
CATALOG NO.	DESCRIPTION
MCXS1610BP	15G x 6.8 cm, co-axial to 370-1080-01
MCXS1615BP	15G x 11.8 cm, co-axial to 370-1580-01
MCXS1810BP	17G x 6.8 cm, co-axial to 360-1080-01
MCXS1815BP	17G x 11.8 cm, co-axial to 360-1580-01
MCXS1820BP	17G x 16.8 cm, co-axial to 360-2080-01



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.

- A 22 mm throw with a 19 mm sample notch harvests sufficient tissue for clinical diagnosis
- Each instrument has an echogenic tip for accurate placement under ultrasound guidance
- Needles are color coded for easy gauge size determination, which can be seen through the window on the bottom of the device
- Tru-Core™ II URO Automatic Biopsy Instrument features needle sizes used specifically for prostate biopsies
- Can be used with co-axial introducer needles



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

CATALOG NO.	DESCRIPTION
763114160X	14G x 16 cm, opt. co-axial needle MCXS1416TX
763114200X	14G x 20 cm
763116100X	16G x 10 cm, opt. co-axial needle MCXS1610TX
763116160X	16G x 16 cm, opt. co-axial needle MCXS1616TX
763116200X	16G x 20 cm
763118100X	18G x 10 cm, opt. co-axial needle MCXS1810TX
763118160X	18G x 16 cm, opt. co-axial needle MCXS1816TX
763118200X	18G x 20 cm, opt. co-axial needle MCXS1820TX
763120100X	20G x 10 cm, opt. co-axial needle MCXS2010TY
763120160X	20G x 16 cm, opt. co-axial needle MCXS2016TY
763120200X	20G x 20 cm

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

CATALOG NO.	DESCRIPTION
763418200X	18G x 20 cm
763418250X	18G x 25 cm

Optional Co-axial Introducer Needles (sold separately) (Box of 10)

CATALOG NO.	DESCRIPTION
MCXS1416TX	13G x 11.1 cm, co-axial to 763114160X
MCXS1610TX	15G x 5.1 cm, co-axial to 763116100X
MCXS1616TX	15G x 11.1 cm, co-axial to 763116160X
MCXS1810TX	17G x 5.1 cm, co-axial to 763118100X
MCXS1816TX	17G x 11.1 cm, co-axial to 763118160X
MCXS1820TX	17G x 15.1 cm, co-axial to 763118200X
MCXS2010TY	19G x 5.4 cm, co-axial to 763120100X
MCXS2016TY	19G x 11.4 cm, co-axial to 763120160X

SuperCore™ Semi-Automatic Biopsy Instrument

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

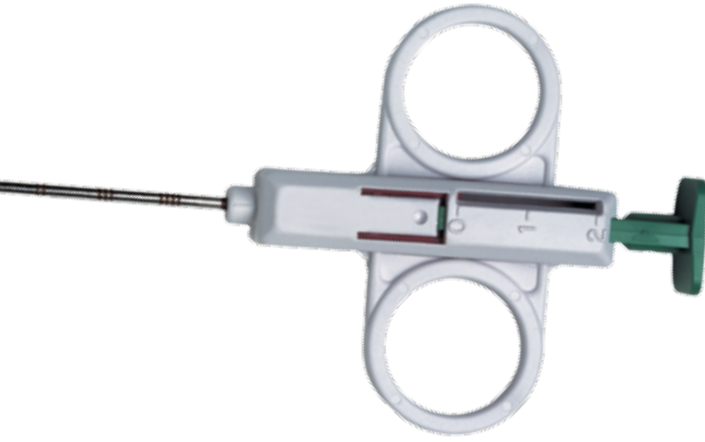
- The specimen notch is adjustable (exposing either 19 mm or 9.5 mm), providing clinical flexibility
- The specimen notch may be safely positioned in the lesion before the spring-loaded cutting cannula is fired
- Each needle has an echogenic tip for accurate placement by ultrasound guidance
- Numerically ordered centimeter markings facilitate precise depth placement
- Can be used with co-axial introducer needles

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

CATALOG NO.	DESCRIPTION
701114090	14G x 9 cm, opt. co-axial needle MCXS1409LX
701114150	14G x 15 cm, opt. co-axial needle MCXS1415LX
701114200	14G x 20 cm
701116090	16G x 9 cm, opt. co-axial needle MCXS1609LX
701116150	16G x 15 cm, opt. co-axial needle MCXS1615LX
701116200	16G x 20 cm
701118090	18G x 9 cm, opt. co-axial needle MCXS1809LX
701118150	18G x 15 cm, opt. co-axial needle MCXS1815LX
701118200	18G x 20 cm, opt. co-axial needle MCXS1820LX
701120090	20G x 9 cm, opt. co-axial needle MCXS2009LY
701120150	20G x 15 cm, opt. co-axial needle MCXS2015LY
701120200	20G x 20 cm

Optional Co-axial Introducer Needles (sold separately) (Box of 10)

CATALOG NO.	DESCRIPTION
MCXS1409LX	13G x 3.9 cm, co-axial to 701114090
MCXS1415LX	13G x 9.9 cm, co-axial to 701114150
MCXS1609LX	15G x 3.9 cm, co-axial to 701116090
MCXS1615LX	15G x 9.9 cm, co-axial to 701116150
MCXS1809LX	17G x 3.9 cm, co-axial to 701118090
MCXS1815LX	17G x 9.9 cm, co-axial to 701118150
MCXS1820LX	17G x 14.9 cm, co-axial to 701118200
MCXS2009LY	19G x 4.2 cm, co-axial to 701120090
MCXS2015LY	19G x 10.2 cm, co-axial to 701120150



7011

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.

- Features a 25 mm throw advancement
- Trigger is easily fired from the front or rear of the instrument
- Built-in safety automatically activates, preventing accidental firing
- Easy specimen retrieval without removing the needle from the instrument
- May be sterilized using conventional methods

Pro-Mag™ Ultra Automatic Biopsy Instrument (Box of 1)

CATALOG NO.	DESCRIPTION
7675	Pro-Mag™ Ultra Automatic Biopsy Instrument



Pro-Mag™ Ultra Biopsy Needles

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

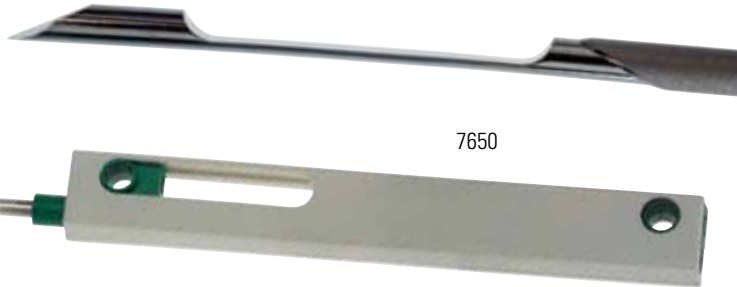
- A 19 mm sample notch ensures sufficient tissue for clinical diagnosis
- Unique hub design obsoletes needle spacers
- Numerically ordered centimeter markings facilitate precise depth placement
- Each needle has an echogenic tip for accurate placement under ultrasound guidance
- Hubs are color coded for easy gauge size determination
- Can be used with co-axial introducer needles

Pro-Mag™ Ultra Biopsy Needles (Box of 10)

CATALOG NO.	DESCRIPTION
765014100	14G x 10 cm, opt. co-axial needle MCXS1410AX
765014120	14G x 12 cm, opt.
765014160	14G x 16 cm, opt. co-axial needle MCXS1416AX
765014200	14G x 20 cm
765016100	16G x 10 cm, opt. co-axial needle MCXS1610AX
765016160	16G x 16 cm, opt. co-axial needle MCXS1616AX
765016200	16G x 20 cm
765018100	18G x 10 cm, opt. co-axial needle MCXS1810AX
765018160	18G x 16 cm, opt. co-axial needle MCXS1816AX
765018200	18G x 20 cm, opt. co-axial needle MCXS1820AX
765018250	18G x 25 cm
765018300	18G x 30 cm
765020100	20G x 10 cm, opt. co-axial needle MCXS2010AY
765020160	20G x 16 cm, opt. co-axial needle MCXS2016AY
765020200	20G x 20cm

Optional Co-axial Introducer Needles (sold separately) (Box of 10)

CATALOG NO.	DESCRIPTION
MCXS1410AX	13G x 4.6 cm, co-axial to 765014100
MCXS1416AX	13G x 10.6 cm, co-axial to 765014160
MCXS1610AX	15G x 4.6 cm, co-axial to 765016100
MCXS1616AX	15G x 10.6 cm, co-axial to 765016160
MCXS1810AX	17G x 4.6 cm, co-axial to 765018100
MCXS1816AX	17G x 10.6 cm, co-axial to 765018160
MCXS1820AX	17G x 14.6 cm, co-axial to 765018200
MCXS2010AY	19G x 4.9 cm, co-axial to 765020100
MCXS2016AY	19G x 10.9 cm, co-axial to 765020160



7650

ACN™ Biopsy Needles

For use with Pro-Mag™ 2.2 Automatic Biopsy Instrument. High quality core biopsy needles provide histological specimens for diagnosis of suspect lesions.

- A 17 mm sample notch ensures sufficient tissue for clinical diagnosis
- Each needle has an echogenic tip for accurate placement under ultrasound guidance
- Numerically ordered centimeter markings facilitate precise depth placement
- Hubs are color coded for easy gauge size determination
- Can be used with co-axial introducer needles



Biopsy Needles for use with Pro-Mag™ 2.2 (Box of 10)

CATALOG NO.	DESCRIPTION
ACN1410MF	14G x 10 cm, opt. co-axial needle MCXS1410AX
ACN1416MF	14G x 16 cm, opt. co-axial needle MCXS1416AX
ACN1610MF	16G x 10 cm, opt. co-axial needle MCXS1610AX
ACN1616MF	16G x 16 cm, opt. co-axial needle MCXS1616AX
ACN1620MF	16G x 20 cm
ACN1810MF	18G x 10 cm, opt. co-axial needle MCXS1810AX
ACN1816MF	18G x 16 cm, opt. co-axial needle MCXS1816AX
ACN1820MF	18G x 20 cm, opt. co-axial needle MCXS1820AX
ACN1825MF	18G x 25 cm
ACN1830MF	18G x 30 cm
ACN2010MF	20G x 10 cm, opt. co-axial needle MCXS2010AY
ACN2016MF	20G x 16 cm, opt. co-axial needle MCXS2016AY
ACN2020MF	20G x 20 cm

Optional Co-axial Introducer Needles (sold separately) (Box of 10)

CATALOG NO.	DESCRIPTION
MCXS1410AX	13G x 4.6 cm, co-axial to ACN1410MF
MCXS1416AX	13G x 10.6 cm, co-axial to ACN1416MF
MCXS1610AX	15G x 4.6 cm, co-axial to ACN1610MF
MCXS1616AX	15G x 10.6 cm, co-axial to ACN1616MF
MCXS1810AX	17G x 4.6 cm, co-axial to ACN1810MF
MCXS1816AX	17G x 10.6 cm, co-axial to ACN1816MF
MCXS1820AX	17G x 14.6 cm, co-axial to ACN1820MF
MCXS2010AY	19G x 4.9 cm, co-axial to ACN2010MF
MCXS2016AY	19G x 10.9 cm, co-axial to ACN2020MF

UltraCore™ Biopsy Needles

For use with Bard® MAGNUM® and BIP High Speed Multi Biopsy Instrument. High quality core biopsy needles provide histological specimens for diagnosis of suspect lesions.

- Unique hub design obsoletes needle spacers
- A 19 mm sample notch ensures sufficient tissue for clinical diagnosis
- Each needle has an echogenic tip, promoting accurate placement under ultrasound guidance
- Numerically ordered markings facilitate precise depth placement
- Hubs are color coded for easy gauge size determination
- Can be used with co-axial introducer needles



UltraCore™ Biopsy Needle (Box of 10)

For use with the BARD® MAGNUM® Biopsy Instrument

CATALOG NO.	DESCRIPTION
762614100	14G x 10 cm, opt. co-axial needle MCXS1410MX
762614130	14G x 13 cm
762614160	14G x 16 cm, opt. co-axial needle MCXS1416MX
762616100	16G x 10 cm, opt. co-axial needle MCXS1610MX
762616160	16G x 16 cm, opt. co-axial needle MCXS1616MX
762618100	18G x 10 cm, opt. co-axial needle MCXS1810MX
762618160	18G x 16 cm, opt. co-axial needle MCXS1816MX
762618200	18G x 20 cm, opt. co-axial needle MCXS1820MX
762618250	18G x 25 cm
762618300	18G x 30 cm

Optional Co-axial Introducer Needles (sold separately) (Box of 10)

CATALOG NO.	DESCRIPTION
MCXS1410MX	13G x 4.3 cm, co-axial to 762614100
MCXS1416MX	13G x 10.3 cm, co-axial to 762614160
MCXS1610MX	15G x 4.3 cm, co-axial to 762616100
MCXS1616MX	15G x 10.3 cm, co-axial to 762616160
MCXS1810MX	17G x 4.3 cm, co-axial to 762618100
MCXS1816MX	17G x 10.3 cm, co-axial to 762618160
MCXS1820MX	17G x 14.3 cm, co-axial to 762618200

Tru-Core™ I Biopsy Needles

For use with the Tru-Core™ I Automatic Biopsy Instrument. High quality core biopsy needles provide histological specimens for diagnosis of suspect lesions.

- A 19 mm sample notch ensures sufficient tissue for clinical diagnosis
- Unique hub design obsoletes needle spacers
- Numerically ordered centimeter markings facilitate precise depth placement
- Each needle has an echogenic tip for accurate placement under ultrasound guidance
- Hubs are color coded for easy gauge size determination
- Can be used with co-axial introducer needles



Tru-Core™ I Biopsy Needles (Box of 10)

CATALOG NO.	DESCRIPTION
763314100	14G x 10 cm, opt. co-axial needle MCXS1410TX
763314160	14G x 16 cm, opt. co-axial needle MCXS1416TX
763316100	16G x 10 cm, opt. co-axial needle MCXS1610TX
763318100	18G x 10 cm, opt. co-axial needle MCXS1810TX
763318160	18G x 16 cm, opt. co-axial needle MCXS 1816TX
763318200	18G x 20 cm, opt. co-axial needle MCXS1820TX

Tru-Core™ I Uro Biopsy Needles (Box of 10)

CATALOG NO.	DESCRIPTION
763818200	18G x 20 cm
763818250	18G x 25 cm

Optional Co-axial Introducer Needles (sold separately) (Box of 10)

CATALOG NO.	DESCRIPTION
MCXS1410TX	13G x 5.1 cm, co-axial to 763314100
MCXS1416TX	13G x 11.1 cm, co-axial to 763314160
MCXS1610TX	15G x 5.1 cm, co-axial to 763316100
MCXS1810TX	17G x 5,1 cm
MCXS 1816TX	17G x 11,1 cm
MCXS1820TX	17G x 15.1 cm, co-axial to 763318200

Fine Needle Aspiration (FNA) Biopsy Needles

Our traditional biopsy needles harvest aspirant for cytological evaluations or specimens for histological evaluations.

Disposable Soft Tissue Biopsy Needles:

- Each needle has numerically ordered centimeter markings on the outer cannula to facilitate precise depth placement
- Needles feature an adjustable needle stop which allows the user to restrict forward movement, localizing the needle tip to the biopsy site
- Color coded stylet hubs indicate gauge size of needles
- Available in a variety of gauge sizes and centimeter lengths
- Available with an echogenic tip on the outer cannula to promote accurate placement under ultrasound guidance

Chiba Biopsy Needles (Box of 10)

CATALOG NO.	DESCRIPTION
MCN1803	18G x 9cm
MCN1803US	18G x 9cm, echogenic tip
MCN1806	18G x 15 cm
MCN1806US	18G x 15 cm, echogenic tip
MCN1808	18G x 20 cm
MCN1808US	18G x 20 cm, echogenic tip
MCN2003	20G x 9 cm
MCN2003US	20G x 9 cm, echogenic tip
MCN2006	20G x 15 cm
MCN2006US	20G x 15 cm, echogenic tip
MCN2008	20G x 20 cm
MCN2008US	20G x 20 cm, echogenic tip
MCN2203	22G x 9 cm
MCN2203US	22G x 9 cm, echogenic tip
MCN2206	22G x 15 cm
MCN2206US	22G x 15 cm, echogenic tip
MCN2208	22G x 20 cm
MCN2208US	22G x 20 cm, echogenic tip

Spinal Biopsy Needles (Box of 10)

CATALOG NO.	DESCRIPTION
MSPN1803	18G x 9 cm
MSPN1806	18G x 15 cm
MSPN2003	20G x 9 cm
MSPN2003US	20G x 9 cm, echogenic tip
MSPN2006	20G x 15 cm
MSPN2006US	20G x 15 cm, echogenic tip
MSPN2203	22G x 9 cm
MSPN2203US	22G x 9 cm, echogenic tip
MSPN2206	22G x 15 cm
MSPN2206US	22G x 15 cm, echogenic tip
MSPN2208	22G x 20 cm



Spinal



Chiba

Fine Needle Aspiration (FNA) Biopsy Needles

Franseen Biopsy Needles (Box of 10)

CATALOG NO.	DESCRIPTION
MFN1803	18G x 9 cm
MFN1803US	18G x 9 cm, echogenic tip
MFN1806	18G x 15 cm
MFN1806US	18G x 15 cm, echogenic tip
MFN1808	18G x 20 cm
MFN1808US	18G x 20 cm, echogenic tip
MFN2003	20G x 9 cm
MFN2003US	20G x 9 cm, echogenic tip
MFN2006	20G x 15 cm
MFN2006US	20G x 15 cm, echogenic tip
MFN2008	20G x 20 cm
MFN2008US	20G x 20 cm, echogenic tip
MFN2203	22G x 9 cm
MFN2203US	22G x 9 cm, echogenic tip
MFN2206	22G x 15 cm
MFN2206US	22G x 15 cm, echogenic tip
MFN2208	22G x 20 cm
MFN2208US	22G x 20 cm, echogenic tip

Greene Biopsy Needles (Box of 10)

CATALOG NO.	DESCRIPTION
MGN2206X	22G x 15 cm incl. 19G x 10 cm introducer, echogenic tip

Westcott Biopsy Needles (Box of 10)

CATALOG NO.	DESCRIPTION
MWN2003	20G x 9 cm
MWN2003US	20G x 9 cm, echogenic tip
MWN2006	20G x 15 cm
MWN2006US	20G x 15 cm, echogenic tip
MWN2008	20G x 20 cm
MWN2008US	20G x 20 cm, echogenic tip
MWN2203	22G x 9 cm
MWN2203US	22G x 9 cm, echogenic tip
MWN2206	22G x 15 cm
MWN2206US	22G x 15 cm, echogenic tip
MWN2208	22G x 20 cm
MWN2208US	22G x 20 cm, echogenic tip

Locking Syringe (Box of 10) (not illustrated)

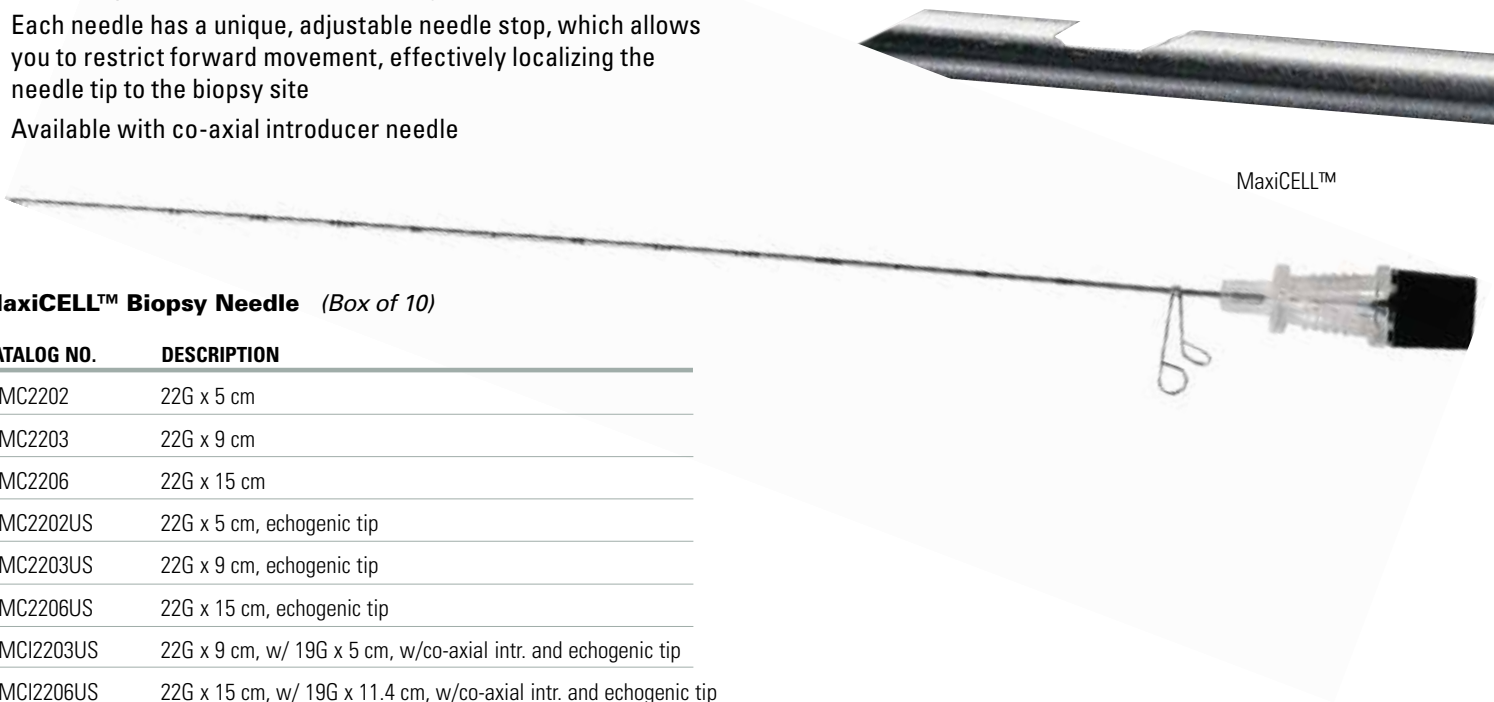
CATALOG NO.	DESCRIPTION
MLS1001	10 ml



MaxiCELL™ Biopsy Needles

MaxiCELL™ Biopsy Needle harvests more aspiration for cytological evaluation than traditional FNA needles.

- Harvests on both forward and backward thrusts of the needle, achieving a greater quantity of harvested cells
- A 30 degree matched ground needle tip geometry helps harvest a cluster of intact cells
- Each needle has numerically ordered centimeter markings on the outer cannula to facilitate depth placement
- Available with an echogenic tip on the outer cannula to promote accurate placement under ultrasound guidance
- Each needle has a unique, adjustable needle stop, which allows you to restrict forward movement, effectively localizing the needle tip to the biopsy site
- Available with co-axial introducer needle



MaxiCELL™ Biopsy Needle (Box of 10)

CATALOG NO.	DESCRIPTION
MMC2202	22G x 5 cm
MMC2203	22G x 9 cm
MMC2206	22G x 15 cm
MMC2202US	22G x 5 cm, echogenic tip
MMC2203US	22G x 9 cm, echogenic tip
MMC2206US	22G x 15 cm, echogenic tip
MMCI2203US	22G x 9 cm, w/ 19G x 5 cm, w/co-axial intr. and echogenic tip
MMCI2206US	22G x 15 cm, w/ 19G x 11.4 cm, w/co-axial intr. and echogenic tip

Techna-Cut™ Biopsy Needles

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

- Numerically ordered centimeter markings on the outer cannula facilitate precise depth placement
- A precise cutting edge on the outer cannula contributes to a complete, intact core specimen
- A unique stylet design, combined with a locking syringe, provides vacuum for specimen retention in the outer cannula



Techna-Cut™ Biopsy Needle (Box of 10)

CATALOG NO.	DESCRIPTION
TCBN1607X	16G x 7 cm
TCBN1610X	16G x 10 cm
TCBN1615X	16G x 15 cm
TCBN1807X	18G x 7 cm
TCBN1810X	18G x 10 cm
TCBN1812X	18G x 12 cm
TCBN1815X	18G x 15 cm
TCBN1907X	19G x 7 cm
TCBN1910X	19G x 10 cm
TCBN1915X	19G x 15 cm
TCBN2107X	21G x 7 cm
TCBN2110X	21G x 10 cm
TCBN2115X	21G x 15 cm

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.

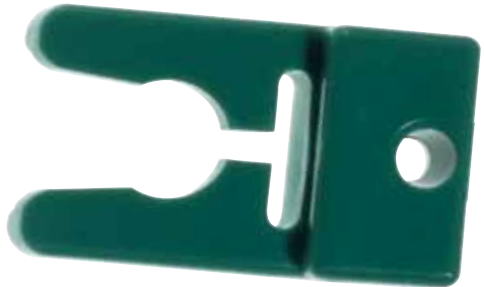
- Guides are available for 14G through 22G needles
- Guides are available in both closed type and open type models
- All needle guides are packed two per package, with the exception of the 14 G model, which has one guide per package

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

CATALOG NO.	DESCRIPTION
LNGC14GX	Closed type, fits 14G
LNGC1619PX	Closed type, fits 16G to 19G
LNGC2022YX	Closed type, fits 20G to 22G
LNG01619PX	Open type, fits 16G to 19G
LNG02022YX	Open type, fits 20G to 22G



LNG0



LNGC

Osty-Core™ Bone Biopsy Needle

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.

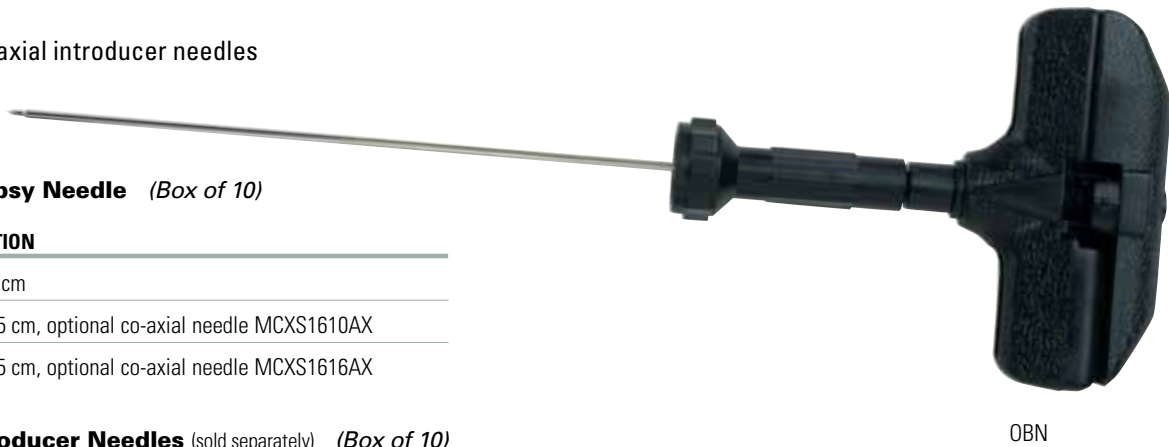
- The ergonomic handle features a twist-lock design that stabilizes the needle during placement
- A luer lock connector on the handle for secure syringe attachment
- An adjustable, removable needle stop safely controls depth of penetration
- Can be used with co-axial introducer needles

Osty-Core™ Bone Biopsy Needle (Box of 10)

CATALOG NO.	DESCRIPTION
OBN16075	16G x 7.5 cm
OBN16125	16G x 12.5 cm, optional co-axial needle MCXS1610AX
OBN16165	16G x 16.5 cm, optional co-axial needle MCXS1616AX

Optional Co-axial Introducer Needles (sold separately) (Box of 10)

CATALOG NO.	DESCRIPTION
MCXS1610AX	15G x 4.6 cm, co-axial to OBN16125
MCXS1616AX	15G x 10.6 cm, co-axial to OBN16165



OBN

T-Lok™ Bone Marrow Biopsy Needles

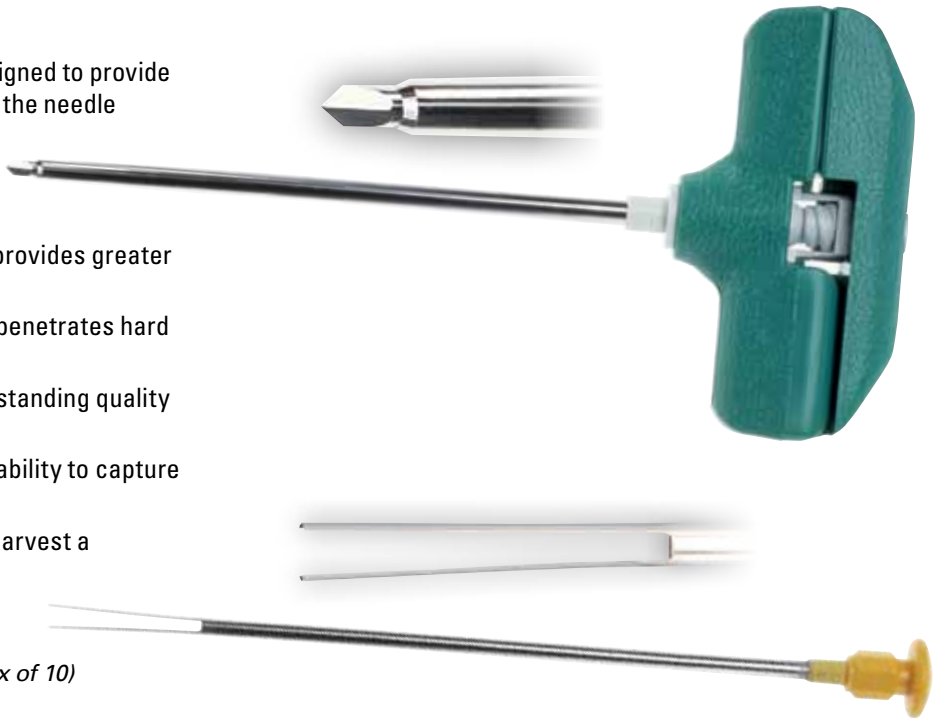
T-Lok™ Bone Marrow Biopsy Needles are designed to provide quality biopsies by entrapping bone marrow in the needle without altering the sample.

Features include:

- Ergonomically designed twist-lock handle provides greater clinician comfort
- Unique double-diamond stylet point easily penetrates hard bone
- Revolutionary cannula design provides outstanding quality specimens
- Innovative design provides an exceptional ability to capture and retain bone marrow specimens
- Eliminates painful deflection technique to harvest a diagnostic quality specimen

T-Lok™ Bone Marrow Biopsy Needle (Box of 10)

CATALOG NO.	DESCRIPTION
DBMNJ0804TL	8G x 4" w/extraction cannula
DBMNJ0806TL	8G x 6" w/extraction cannula
DBMNJ1104TL	11G x 4" w/extraction cannula
DBMNJ1106TL	11G x 6" w/extraction cannula
DBMNJ13025	13G x 2.5", no extraction cannula
DBMNJ1304	13G x 4", no extraction cannula



T-Lok™

Bone Marrow Aspiration Needles

Safe aspirations at the sternum can be performed by adjusting the needle stop to control the depth of penetration. The needle stop can be removed if aspirating at the iliac crest.

Features include:

- Luer lock connector on the handle for secure syringe attachment
- An adjustable, removable needle stop safely controls depth of penetration

Bone Marrow Aspiration Needle (Box of 10)

CATALOG NO.	DESCRIPTION
DBMNI1501	15G x 2.688" max.
DBMNI1504	15G x 4" max.
DBMNI1601	16G x 2.688" max.



Adjustable needle stop

V•Mark™ Breast Biopsy Site Markers

V•Mark™ Breast Biopsy Site Marker combines a bio-absorbable plug and a permanent anchor to permanently mark a breast biopsy site, allowing for future identification of the biopsied area. The highly visible plug portion is absorbed into the breast tissue, while the anchor remains in place allowing for long-term stability and permanent visualization.

- V•Mark™ Breast Biopsy Site Marker dual-anchoring capability minimizes risks of malposition or migration
- The embedded titanium hook is designed to allow tissue to grow in and around it, providing permanent marking of the biopsy site
- The bio-absorbable plug fills the biopsy cavity, providing visibility for a predictable period of time
- V•Mark™ Breast Biopsy Site Marker can be visualized under mammography, ultrasound and MRI guidance

V•Mark™ Breast Biopsy Site Marker is available in 3 delivery systems:

- 11G for use withMammotome® Vacuum Assisted Biopsy System
- 9G/ 12G for use with Suros Vacuum Assisted Biopsy System
- 14G Breast Biopsy Site Marker for use with 14G systems or ultrasound guidance

V•Mark™ Breast Biopsy Site Marker for use with Mammotome® Vacuum Assisted Biopsy System (Box of 10)

CATALOG NO.	DESCRIPTION
766411150T	Compatible with Mammotome® 11G Probe

V•Mark™ Breast Biopsy Site Marker for use with Suros Vacuum Assisted Biopsy System (Box of 10)

CATALOG NO.	DESCRIPTION
766709120SST	Compatible with Suros 9G needle sets
766712120SST	Compatible with Suros 12G needle sets

V•Mark™ Breast Biopsy Site Marker (Sharp) for use with 14G systems or ultrasound guidance (Box of 10)

CATALOG NO.	DESCRIPTION
766914100SST	15G x 10.8 cm, compatible with 14G systems
766914180SST	15G x 18.8 cm, compatible with 14G systems



V•Mark™

Repositionable Breast Localization Needles

The Homer Repositional Breast Localization Needle is a strong, flexible J-curve wire that may be retracted and repositioned as often as necessary to achieve accurate placement.

- J-curve wire and stabilizer design locks the needle and wire in place, anchoring the system to prevent wire migration while protecting against unguarded needle penetration during breast compression and patient transport
- System provides a palpable guide to the surgeon, thereby offering a choice of paths to the lesion
- Centimeter markings facilitate accurate depth placement

Homer Breast Localization Needle (Box of 10)

CATALOG NO.	DESCRIPTION
231030G	20G x 3 cm
231050G	20G x 5 cm
231075G	20G x 7.5 cm
231100G	20G x 10 cm
231125G	20G x 12.5 cm

Hawkins™ II is repositionable to achieve accurate placement.

- Available in two wire choices: FlexStrand™, a 19-strand cable, for maximum flexibility with minimal risk of transection, or a traditional hardwire, which minimizes flex during placement
- Both wires offer a side barb for temporary fixation during a confirming mammogram. The needle is easily repositioned, if necessary
- Easy-to-read centimeter markings facilitate accurate depth placement.
- Throated needle hub for easy wire loading
- Skin retention clip prevents forward migration of wire during patient transport
- 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
- Standard marking cannula on wire, beginning 2.5 cm from distal tip, serves as a landmark for the surgeon

Hawkins™ I Breast Localization Needle (Box of 10)

CATALOG NO.	DESCRIPTION
251050	20G x 5 cm
251075	20G x 7.5 cm
251100	20G x 10 cm
251125	20G x 12.5 cm

Hawkins™ II Breast Localization Needle w/FlexStrand™ (Box of 10)

CATALOG NO.	DESCRIPTION
252050	20G x 5 cm
252075	20G x 7.5 cm
252100	20G x 10 cm
252125	20G x 12.5 cm



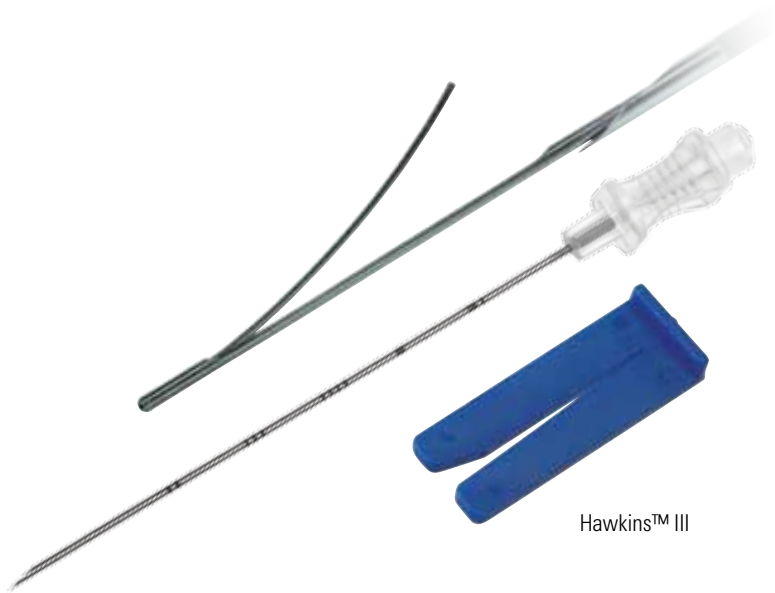
Hawkins™ II Breast Localization Needle w/Hardwire (Box of 10)

CATALOG NO.	DESCRIPTION
242050	20G x 5 cm
242075	20G x 7.5 cm
242100	20G x 10 cm
242125	20G x 12.5 cm

Non-Repositionable Breast Localization Needles

Hawkins™ III

- Available in two wire choices: FlexStrand™, a 19-strand cable providing maximum flexibility with minimal risk of transection, or a traditional hardwire that minimizes flex during placement
- Centimeter markings facilitate accurate depth placement
- Throated needle hub for easy wire loading
- Skin retention clip prevents forward migration of wire during patient transport
- Wire is marked in two places: I indicates wire at distal tip of needle; II indicates barb deployment
- Standard marking cannula on wire, beginning 2.5 cm from distal tip, serves as a landmark for the surgeon
- End hole design allows for dye injection or fluid aspiration
- Available with echogenic tip



Hawkins™ III Breast Localization Needle (Box of 10)

CATALOG NO.	DESCRIPTION
244030	20G x 3 cm, hardwire w/echogenic tip
244050	20G x 5 cm, hardwire w/echogenic tip
244075	20G x 7.5 cm, hardwire w/echogenic tip
244100	20G x 10 cm, hardwire w/echogenic tip
244125	20G x 12.5 cm, hardwire w/echogenic tip

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

CATALOG NO.	DESCRIPTION
253030	20G x 3 cm
253050	20G x 5 cm
253075	20G x 7.5 cm
253100	20G x 10 cm
253125	20G x 12.5 cm

Hawkins™ III Breast Localization Needle w/Hardwire (Box of 10)

CATALOG NO.	DESCRIPTION
243030	20G x 3 cm
243050	20G x 5 cm
243075	20G x 7.5 cm
243100	20G x 10 cm
243125	20G x 12.5 cm

Non-Repositionable Breast Localization Needles

Accura™ Breast Localization Needle (Kopans style) is a traditional, springhook hardwire with stiffener design.

- Skin retention clip prevents forward migration of wire during patient transport
- Wire is marked in two places: I indicates wire at distal tip of needle; II indicates barb deployment
- End hole design allows for dye injection or aspiration of fluid

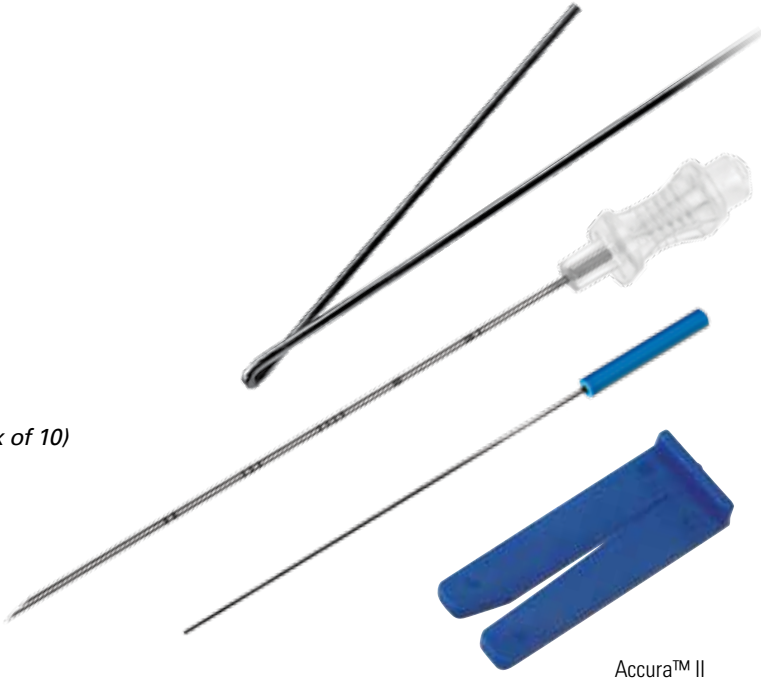
Accura™ Breast Localization Needle (Kopans™ style) (Box of 10)

CATALOG NO.	DESCRIPTION
BLN2003	20G x 3 cm
BLN2005	20G x 5 cm
BLN20075	20G x 7.5 cm
BLN2010	20G x 10 cm
BLN2015	20G x 15 cm
BLN2103	21G x 3 cm
BLN2105	21G x 5 cm
BLN21075	21G x 7.5 cm
BLN2110	21G x 10 cm



Accura™ II Breast Localization Needle (Sadowsky™ style) (Box of 10)

CATALOG NO.	DESCRIPTION
266050	20G x 5 cm w/23G stiffening cannula
266075	20G x 7.5 cm w/23G stiffening cannula
266100	20G x 10 cm w/23G stiffening cannula
266125	20G x 12.5 cm w/23G stiffening cannula



Non-Repositionable Breast Localization Needles

D Wire Breast Localization Needle

- A D-shaped wire which provides an increased cross sectional area aimed at reducing the risk of surgical transection. The tip of the hookwire is welded to increase anchoring strength
- Centimeter markings facilitate accurate depth placement. A throated needle hub gives easy wire loading
- End hole needle allows for dye injection or aspiration of fluid

D Wire Breast Localization Needle (Box of 10)

CATALOG NO.	DESCRIPTION
BLND2003	20G x 3 cm
BLND2005	20G x 5 cm
BLND20075	20G x 7.5 cm
BLND2010	20G x 10 cm
BLND2015	20G x 15 cm



D Wire

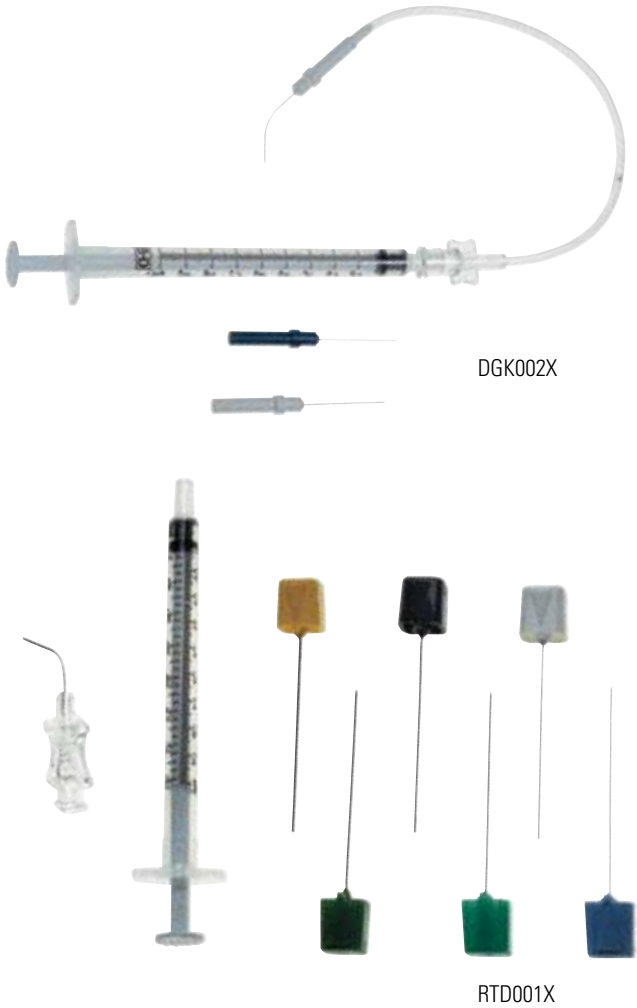
Galactography Kits

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

- Dilators and injection cannula have blunt ends to minimize puncture of the duct walls
- Dilators are color coded for easy diameter identification
- Injection cannula is available with a curved tip to facilitate insertion

Galactography Kit (Box of 10)

CATALOG NO.	DESCRIPTION
DGK002SX	30G w/straight cannula
DGK002X	30G w/curved cannula
RTD001X	24G w/curved cannula



DGK002X

RTD001X

Drainage



SKATER™ Single Step Drainage Catheter

SKATER™ Single Step Drainage Catheters are suitable for a variety of applications. They feature a large catheter lumen, large drainage holes and a large lumen hub designed to promote maximum flow and drainage. SKATER™ is formulated for patient comfort, kink resistance, easy insertion and resistance to encrustation.

- Choice Lock trocar stylet allows for single-handed abscess drainage placement
- Hydrophilic coating allows for easy catheter insertion
- Locking shoulder tip ensures smooth insertion while preventing accordion effect
- Low profile, easy-to-use locking system with snap-off tab ensures secure pigtail deployment while maximizing patient comfort
- Polyurethane catheter material provides kink resistance
- Large skived drain holes promote maximum drainage while reducing catheter occlusion
- Includes SKATER™ Single Step Drainage Catheter with metal and flexible* stiffening cannulae, Choice Lock™ trocar stylet, removable pigtail straightener and locking system with snap-off tab



SKATER™ Single Step Drainage Catheter w/Locking Pigtail (Box of 5)

CATALOG NO.	DESCRIPTION
756506020	6F x 20 cm, accepts .035" guidewire
756506025	6F x 25 cm, 19G trocar accepts .035" guidewire
756507020	7F x 20 cm, accepts .035" guidewire
756507025	7F x 25 cm, 18G trocar accepts .035" guidewire
756508020	8F x 20 cm, 17G trocar accepts .038" guidewire
756508025	8F x 25 cm, accepts .038" guidewire
756510020	10F x 20 cm, 17G trocar accepts .038" guidewire
756510025	10F x 25 cm, accepts .038" guidewire
756512020	12F x 20 cm, 17G trocar .038" accepts guidewire
756512025	12F x 25 cm, accepts .038" guidewire
756514020	14F x 20 cm, 14G trocar accepts .038" guidewire
756514025	14F x 25 cm, accepts .038" guidewire
756516025	16F x 25 cm, accepts .038" guidewire

SKATER™ Single Step Drainage Catheter w/Non-Locking Pigtail (Box of 5)

CATALOG NO.	DESCRIPTION
756006020	6F x 20 cm, accepts .035" guidewire
756006025	6F x 25 cm, 19G trocar, accepts .035" guidewire
756007020	7F x 20 cm, accepts .035" guidewire
756007025	7F x 25 cm, 18G trocar, accepts .035" guidewire
756008020	8F x 20 cm, 17G trocar, accepts .038" guidewire
756008025	8F x 25 cm, 17G trocar, accepts .038" guidewire
756010020	10F x 20 cm, 17G trocar, accepts .038" guidewire
756010025	10F x 25 cm, 17G trocar, accepts .038" guidewire
756012020	12F x 20 cm, 14G trocar, accepts .038" guidewire
756012025	12F x 25 cm, 14G trocar, accepts .038" guidewire
756014020	14F x 20 cm, 14G trocar, accepts .038" guidewire
756014025	14F x 25 cm, 14G trocar, accepts .038" guidewire
756016025	16F x 25 cm, 14G trocar, recommended .038" guidewire

SKATER™ Nephrostomy Drainage Catheters



SKATER™ Nephrostomy Drainage Catheters are used to drain urine from the kidney. The catheter is made of soft polyurethane for kink-resistance and configuration memory.

- Sturdy pigtail design maintains shape securing catheter in renal pelvis
- Designed for Seldinger technique
- Soft catheter material for improved patient comfort
- Hydrophilic coating allows for easy catheter insertion
- Includes SKATER™ Nephrostomy Drainage Catheter with metal and flexible* stiffening cannulae, removable pigtail straightener and locking system with snap-off tab



SKATER™ Nephrostomy Drainage Catheter w/Locking Pigtail (Box of 5)

CATALOG NO.	DESCRIPTION
755606025	6F x 25 cm, accepts .035" guidewire
755606035	6F x 35 cm, accepts .035" guidewire
755607025	7F x 25 cm, accepts .035" guidewire
755607035	7F x 35 cm, accepts .035" guidewire
755608025	8F x 25 cm, accepts .038" guidewire
755608035	8F x 35 cm, accepts .038" guidewire
755610025	10F x 25 cm, accepts .038" guidewire
755610035	10F x 35 cm, accepts .038" guidewire
755612025	12F x 25 cm, accepts .038" guidewire
755612035	12F x 35 cm, accepts .038" guidewire
755614025	14F x 25 cm, accepts .038" guidewire
755614035	14F x 35 cm, accepts .038" guidewire

SKATER™ Nephrostomy Catheter w/Non-Locking Pigtail (Box of 5)

CATALOG NO.	DESCRIPTION
755506025	6F x 25 cm, accepts .035" guidewire
755506035	6F x 35 cm, accepts .035" guidewire
755507025	7F x 25 cm, accepts .035" guidewire
755507035	7F x 35 cm, accepts .035" guidewire
755508025	8F x 25 cm, accepts .038" guidewire
755508035	8F x 35 cm, accepts .038" guidewire
755510025	10F x 25 cm, accepts .038" guidewire
755510035	10F x 35 cm, accepts .038" guidewire
755512025	12F x 25 cm, accepts .038" guidewire
755512035	12F x 35 cm, accepts .038" guidewire
755514025	14F x 25 cm, accepts .038" guidewire
755514035	14F x 35 cm, accepts .038" guidewire

SKATER™ Drainage Catheters

The SKATER™ Drainage Catheter is made of soft polyurethane for optimal kink-resistance and perfect configuration memory. The catheter is coated with SLIP-COAT™ hydrophilic coating for minimal friction during insertion.

- Soft polyurethane for optimal kink-resistance and perfect configuration memory.
- SLIP-COAT™ hydrophilic coating on distal part for easy insertion.
- Large oval drainage holes and large lumen are designed for maximal drainage capacity.
- Minimal tissue trauma and ulcerations reduce patient discomfort.
- With locking or non-locking pigtail.



SKATER™ Drainage Catheter w/Locking Pigtail (Box of 5)

CATALOG NO.	DESCRIPTION
755106025	6F x 25 cm, accepts .035" guidewire
755106035	6F x 35 cm, accepts .035" guidewire
755107025	7F x 25 cm, accepts .035" guidewire
755107035	7F x 35 cm, accepts .035" guidewire
755108025	8F x 25 cm, accepts .038" guidewire
755108035	8F x 35 cm, accepts .038" guidewire
755110025	10F x 25 cm, accepts .038" guidewire
755110035	10F x 35 cm, accepts .038" guidewire
755112025	12F x 25 cm, accepts .038" guidewire
755112035	12F x 35 cm, accepts .038" guidewire
755114025	14F x 25 cm, accepts .038" guidewire
755114035	14F x 35 cm, accepts .038" guidewire
755116025	16F x 25 cm, recommended .038" guidewire

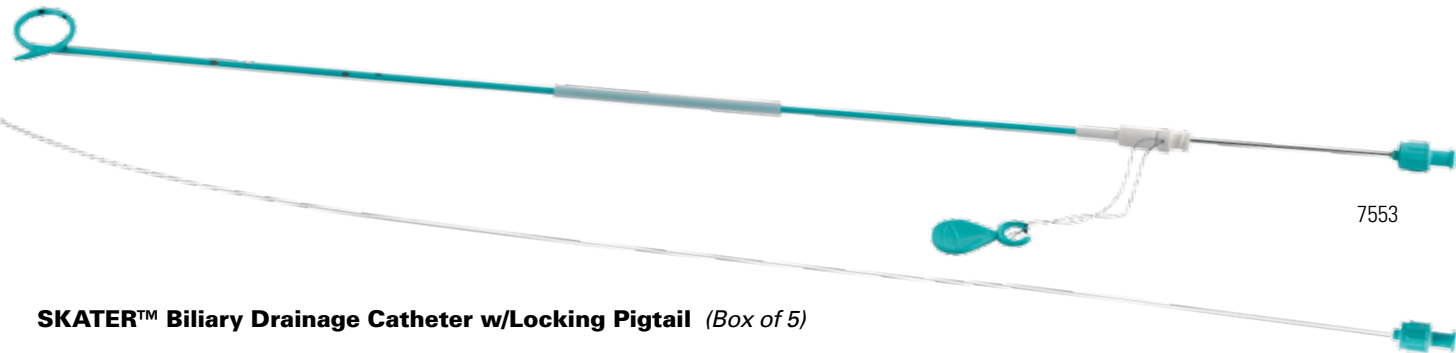
SKATER™ Drainage Catheter w/Non-Locking Pigtail (Box of 5)

CATALOG NO.	DESCRIPTION
751106025	6F x 25 cm, accepts .035" guidewire
751106035	6F x 35 cm, accepts .035" guidewire
751107025	7F x 25 cm, accepts .035" guidewire
751107035	7F x 35 cm, accepts .035" guidewire
751108025	8F x 25 cm, accepts .038" guidewire
751108035	8F x 35 cm, accepts .038" guidewire
751110025	10F x 25 cm, accepts .038" guidewire
751110035	10F x 35 cm, accepts .038" guidewire
751112025	12F x 25 cm, accepts .038" guidewire
751112035	12F x 35 cm, accepts .038" guidewire
751114025	14F x 25 cm, accepts .038" guidewire
751116025	16F x 25 cm, recommended .038" guidewire

SKATER™ Biliary Drainage Catheters

SKATER™ Biliary Drainage Catheters are used to drain bile from the bile duct and are placed using the Seldinger technique.

- Radiopaque marker band provides clear view of most proximal drain hole for accurate placement in the biliary tract
- Soft polyurethane provides kink-resistance and configuration memory
- Hydrophilic coating allows for easy insertion
- Large oval drainage holes and large lumen designed for maximum drainage capacity
- Includes SKATER™ Biliary Drainage Catheter with metal and flexible stiffening cannulae, removable pigtail straightener and locking system with snap-off tab



SKATER™ Biliary Drainage Catheter w/Locking Pigtail (Box of 5)

CATALOG NO.	DESCRIPTION
755308040	8F x 40 cm, accepts .038" guidewire
755310040	10F x 40 cm, accepts .038" guidewire
755312040	12F x 40 cm, accepts .038" guidewire

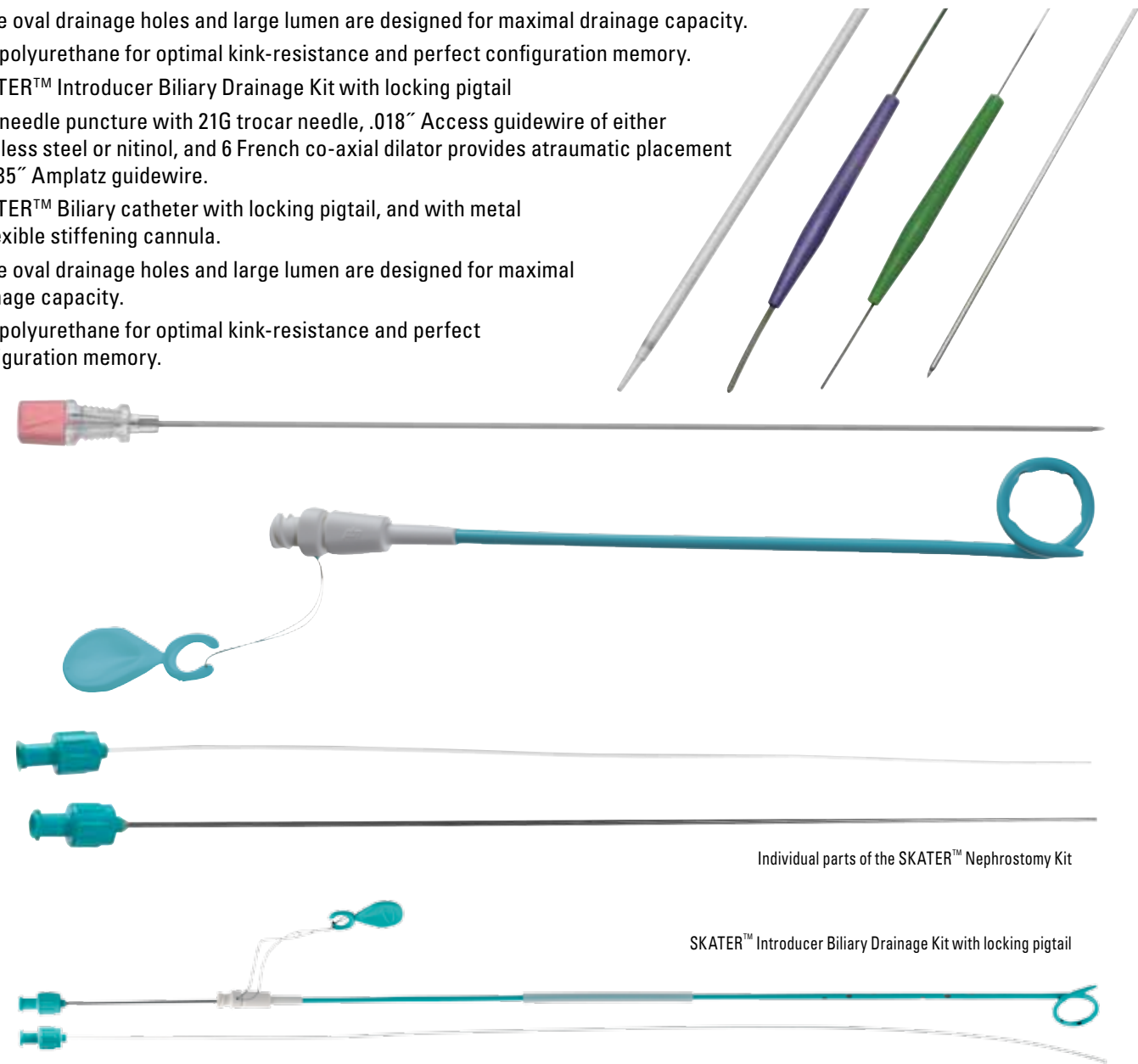
SKATER™ Biliary Drainage Catheter w/Non-Locking Pigtail (Box of 5)

CATALOG NO.	DESCRIPTION
7552 08 040	8F x 40 cm, accepts .038" guidewire
7552 10 040	10F x 40 cm, accepts .038" guidewire
7552 12 040	12F x 40 cm, accepts .038" guidewire

SKATER™ Kits

SKATER™ Nephrostomy Kit with 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 cannula. SLIP-COAT™ hydrophilic coating at the distal tip for easy insertion.
 - Large lumen and large oval drainage holes designed for maximal drainage capacity.
- SKATER™ Nephrostomy Kit with 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 cannula. SLIP-COAT™ hydrophilic coating at the distal tip for easy insertion.
 - Large lumen and large oval drainage holes designed for maximal drainage capacity.
- 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 cannula.
 - Large oval drainage holes and large lumen are designed for maximal drainage capacity.
 - Soft polyurethane for optimal kink-resistance and perfect configuration memory.
- 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 cannula.
 - Large oval drainage holes and large lumen are designed for maximal drainage capacity.
 - Soft polyurethane for optimal kink-resistance and perfect configuration memory.



Visit www.AngioEduPRO.com, our educational website for healthcare professionals

SKATER™ Nephrostomy Kit
w/Locking Pigtail (Box of 5)

CATALOG NO.	DESCRIPTION
757306600	6F Set, 18G x 15 cm puncture needle with stylet, .035” x 90 cm Amplatz guidewire, 6F dilator, 6F x 35 cm SKATER™ Nephrostomy catheter
757306700	6F Set, 22G x 20 cm Chiba needle, 18G x 15 cm puncture needle with stylet, .035” x 90 cm Amplatz guidewire, 6F dilator, 6F x 35 cm SKATER™ Nephrostomy catheter, male/funnel connection for drainage bag
757307000	7F Set, 18G x 15 cm puncture needle with stylet, .035” x 90 cm Amplatz guidewire, 6F and 7F dilators, 7F x 35 cm SKATER™ Nephrostomy catheter
757308000	8F Set, 18G x 15 cm puncture needle with stylet, .035” x 90 cm Amplatz guidewire, 6F and 8F dilators, 8F x 35 cm SKATER™ Nephrostomy catheter
757308600	8F Set, 18G x 15 cm puncture needle with stylet, .035” x 90 cm Amplatz guidewire, 6F and 8F dilators, 8F x 35 cm SKATER™ Nephrostomy catheter, male/funnel connection for drainage bag
757308700	8F Set, 22G x 20 cm Chiba needle, 18G x 15 cm puncture needle with stylet, .035” x 90 cm Amplatz guidewire, 6F and 8F dilators, 8F x 35 cm SKATER™ Nephrostomy catheter, male/funnel connection for drainage bag
757310000	10F Set, 18G x 15 cm puncture needle with stylet, .035” x 90 cm Amplatz guidewire, 6F, 8F, and 10F dilators, 10Fx 35 cm SKATER™ Nephrostomy catheter
757312000	12F Set, 18G x 15 cm puncture needle with stylet, .035” x 90 cm Amplatz guidewire, 6F, 8F, 10F, and 12F dilators, 12Fx 35 cm SKATER™ Nephrostomy catheter
757314700	14F Set, 22G x 20 cm Chiba needle, 18G x 15 cm puncture needle with stylet, .035” x 90 cm Amplatz guidewire, 6F, 8F, 10F, 12F, and 14F dilators, 14Fx 35 cm SKATER™ Nephrostomy catheter

SKATER™ Nephrostomy Kit
w/Non-Locking Pigtail (Box of 5)

CATALOG NO.	DESCRIPTION
750308000	8F Set, 18G x 15 cm puncture needle with stylet, .035” x 90 cm Amplatz guidewire, 6F and 8F dilators, 8Fx 35 cm SKATER™ Nephrostomy catheter
750308100	8F Set, 18G x 15 cm puncture needle with stylet, .035” x 100 cm 3 mm J HD guidewire, 6F and 8F dilators, 8Fx 35 cm SKATER™ Nephrostomy catheter
750310000	10F Set, 18G x 15 cm puncture needle with stylet, .035” x 90 cm Amplatz guidewire, 6F, 8F, and 10F dilators, 10Fx 35 cm SKATER™ Nephrostomy catheter
750312000	12F Set, 18G x 15 cm puncture needle with stylet, .035” x 90 cm Amplatz guidewire, 6F, 8F, 10F, and 12F dilators, 12Fx 35 cm SKATER™ Nephrostomy catheter
750314000	14 Set, 18G x 15 cm puncture needle with stylet, .035” x 90 cm Amplatz guidewire,6F, 8F, 10F, 12F, and 14F dilators, 14F x 35 cm SKATER™ Nephrostomy catheter

SKATER™ Introducer Nephrostomy Kit
w/Locking Pigtail (Box of 5)

CATALOG NO.	DESCRIPTION
767308000	8F Set, 21G x 15 cm trocar needle, .018” x 80 cm stainless steel access wire, 6F x 18 cm co-axial dilator, .035” x 90 cm Amplatz guidewire, 8Fx 20 cm dilator, 8F x 35 cm catheter with locking pigtail
767308300	8F Set, 21G x 15 cm trocar needle, .018” x 80 cm nitinol access wire, 6F x 18 cm co-axial dilator, .035” x 90 cm Amplatz guidewire, 8Fx 20 cm dilator, 8F x 35 cm catheter with locking pigtail
767310000	10F Set, 21G x 15 cm trocar needle, .018” x 80 cm stainless steel access wire, 6F x 18 cm co-axial dilator, .035” x 90 cm Amplatz guidewire, 8F and 10F dilators, 10F x 35 cm catheter with locking pigtail
767310300	10F Set, 21G x 15 cm trocar needle, .018” x 80 cm nitinol access wire, 6F x 18 cm co-axial dilator, .035” x 90 cm Amplatz guidewire, 8F and 10F dilators, 10F x 35 cm catheter with locking pigtail
767312000	12F Set, 21G x 15 cm trocar needle, .018” x 80 cm stainless steel access wire, 6F x 18 cm co-axial dilator, .035” x 90 cm Amplatz guidewire, 8F,10F, and 12F dilators, 12F x 35 cm catheter with locking pigtail

SKATER™ Introducer Biliary Drainage Kit
w/Locking Pigtail (Box of 5)

CATALOG NO.	DESCRIPTION
765308300	8F Set, 21G x 15 cm trocar needle, .018” x 80 cm nitinol access wire, 6F x 26 cm co-axial dilator, .035” x 150 cm Amplatz guidewire, 8F x 20 cm dilator, 8F x 40 cm catheter with locking pigtail
765310300	10F Set, 21G x 15 cm trocar needle, .018” x 80 cm nitinol access wire, 6F x 26 cm co-axial dilator, .035” x 150 cm Amplatz guidewire, 8F x 20 cm and 10F x 20 cm dilators, 10F x 40 cm catheter with locking pigtail

SKATER™ Centesis Catheters

Designed for percutaneous fluid aspirations and small volume drainage procedures.

- Vent plug allows air to exit catheter during insertion and protects clinician from fluid leakage
- Luer locked introducer needle for secure one-handed placement and hollow stylet needle design permits aspiration of fluid prior to stylet removal
- Tapered catheter tip ensures good transition between catheter and needle to facilitate smooth insertion
- Four side holes on the distal tip of the catheter facilitate drainage within small cavities



SKATER™ Centesis Catheters (Box of 10)

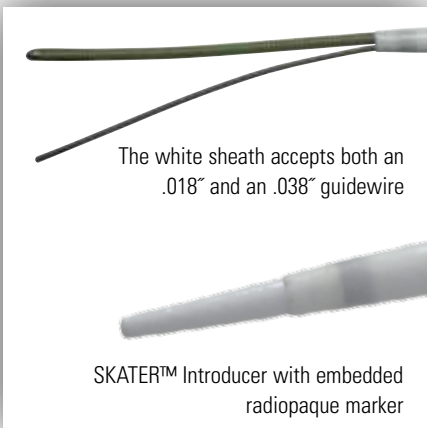
CATALOG NO.	DESCRIPTION
700304007	4F x 7 cm
700304010	4F x 10 cm
700304015	4F x 15 cm
700305007	5F x 7 cm
700305010	5F x 10 cm
700305015	5F x 15 cm
700405015	5F x 15 cm, without sideholes
700305020	5F x 20 cm

7003

SKATER™ Introducer Sets

The SKATER™ Introducer Set provides easy, accurate and atraumatic placement of .038” guidewires in non-vascular procedures.

- Embedded platinum ring marker enhances visualization for accurate fluoroscopic placement
- 4F dilator/6F sheath assembly with locking stiffening cannula facilitates easy over-the-guidewire placement
- Large end hole design of the sheath accepts both .018” and .038” guidewires simultaneously
- Radiopaque marker located at tip of sheath enhances visualization



SKATER™ Introducer Set for Introduction of .035” or .038” Guidewire (Box of 5)

CATALOG NO.	DESCRIPTION
651506000	4F dilator/6F x 20 cm co-axial introducer, .018” x 80 cm stainless steel guidewire with platinum tip, 21G x 15 cm trocar needle
651506300	4F dilator/6F x 20 cm co-axial introducer, .018” x 80 cm nitinol guidewire with platinum tip, 21G x 15 cm trocar needle
655506000	Set, 21G x 15 cm chiba needle, .018” x 80 cm stainless steel access guidewire, 6F x 18 cm co-axial dilator
655506300	Set, 21G x 15 cm chiba needle, .018” x 80 cm nitinol access guidewire, 6F x 18 cm co-axial dilator

SKATER™ Introducer Set • Biliary Access
For introduction of .035” or .038” guidewire (Box of 5)

CATALOG NO.	DESCRIPTION
651406000	Biliary Access Set, 21G x 15 cm trocar needle, .018” x 80 cm stainless steel access guidewire, 6F x 26 cm co-axial dilator
651406300	Biliary Access Set, 21G x 15 cm trocar needle, .018” x 80 cm nitinol access guidewire, 6F x 26 cm co-axial dilator
655406000	Biliary Access Set, 21G x 15 cm chiba needle, .018” x 80 cm stainless steel access guidewire, 6F x 26 cm co-axial dilator
655406300	Biliary Access Set, 21G x 15 cm chiba needle, .018” x 80 cm nitinol access guidewire, 6F x 26 cm co-axial dilator

SKATER™ Introducer Set • Complete (Box of 5)

CATALOG NO.	DESCRIPTION
654506200	Set, 21G x 15 cm trocar needle, .018” x 80 cm nitinol access guidewire, 6F x 18 cm co-axial dilator, .035” (0.89 mm) x 150 cm Amplatz guidewire

SKATER™ Introducer Biliary Set • Complete (Box of 5)

CATALOG NO.	DESCRIPTION
654306200	Set, 21G x 15 cm trocar needle, .018” x 80 cm nitinol access guidewire, 6F x 26 cm co-axial dilator, .035” x 150 cm Amplatz guidewire

TCD Drainage Catheters

The catheter is made of polyethylene. Applications: TCD Catheter; Drainage of cysts, abscesses, hematomas, pleural exudates, ascites, gall bladders, nephrostomies, pleuracentese and paracentesis.

TCD Drainage Catheter with safety string lock system; Drainage of large cysts, gall bladders and nephrostomies.

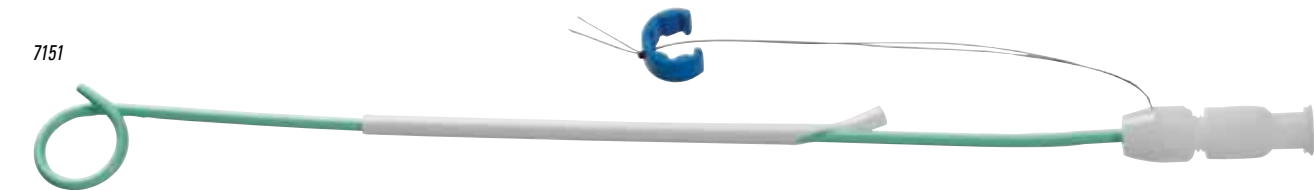
- Radiopaque Polyethylene – for excellent radiopacity.
- Optimal wall thickness for configuration memory.
- Optimal sized side holes along inner pigtail curve.
- With or without Safety String Lock System.

TCD Drainage Catheter with Safety String Lock System (Box of 10)

CATALOG NO.	DESCRIPTION
715157020	5.7F x 20 cm, accepts guidewire .035"
715157030	5.7F x 30 cm, accepts guidewire .035"
715107020	7F x 20 cm, accepts guidewire .035"
715107030	7F x 30 cm, accepts guidewire .035"
715184020	8.4F x 20 cm, accepts guidewire .038"
715184030	8.4F x 30 cm, accepts guidewire .038"

TCD Drainage Catheter (Box of 10)

CATALOG NO.	DESCRIPTION
711157020	5.7F x 20 cm, accepts guidewire .035"
711157030	5.7F x 30 cm, accepts guidewire .035"
711107020	7F x 20 cm, accepts guidewire .035"
711107030	7F x 30 cm, accepts guidewire .035"
711184020	8.4F x 20 cm, accepts guidewire .038"
711184030	8.4F x 30 cm, accepts guidewire .038"
711110020	10F x 20 cm, accepts guidewire .038"
711110030	10F x 30 cm, accepts guidewire .038"



TCD Single Step Drainage Sets

The Choice Lock™ needle ensures simple single-handed catheter/needle snap lock. Polyethylene pigtail catheter with 6 side holes supplied with trocar needle.

Applications: Choice Lock™ TCD Single Step Drainage Set (7160); Single step drainage of cysts, abscesses, hematomas, pleural exudates, ascites, gall bladders and nephrostomies.

Choice Lock™ TCD Safety String Lock System (7165); Single step drainage of large cysts, gall bladders and nephrostomies.

- Perfectly tapered tip for optimal penetration.
- Radiopaque polyethylene for superior radiopacity.
- Choice Lock™ needle for single handed release of stylet.
- With or without Safety String Lock System.



Choice Lock™ TCD Safety String Lock System (20 cm: box of 10) (30 cm: box of 5)

CATALOG NO.	DESCRIPTION
716557020	5.7F x 20 cm, 19G trocar
716557030	5.7F x 30 cm, 19G trocar
716507020	7F x 20 cm, 18G trocar
716507030	7F x 30 cm, 18G trocar
716584020	8.4F x 20 cm, 17G trocar
716584030	8.4F x 30 cm, 17G trocar
716510020	10F x 20 cm, 17G trocar
716510030	10F x 30 cm, 17G trocar

Choice Lock™ TCD Single Step Drainage Sets (20 cm: box of 10) (30 cm: box of 5)

CATALOG NO.	DESCRIPTION
716057020	5.7F x 20 cm, 19G trocar
716057030	5.7F x 30 cm, 19G trocar
716007020	7F x 20 cm, 18G trocar
716007030	7F x 30 cm, 18G trocar
716084020	8.4F x 20 cm, 17G trocar
716084030	8.4F x 30 cm, 17G trocar
716010020	10F x 20 cm, 17G trocar
716010030	10F x 30 cm, 17G trocar



Introducer Sheaths/Needles

Introducer Sheaths/Needles

- Transparent or radiopaque sheaths for guidewire insertion or fluid aspiration



Introducer Sheaths/Needles (Box of 10)

CATALOG NO.	DESCRIPTION
ISN1915	19G x 15 cm with 5F sheath, accepts .038" guidewire
ISN1920	19G x 20 cm with 5F sheath, accepts .038" guidewire

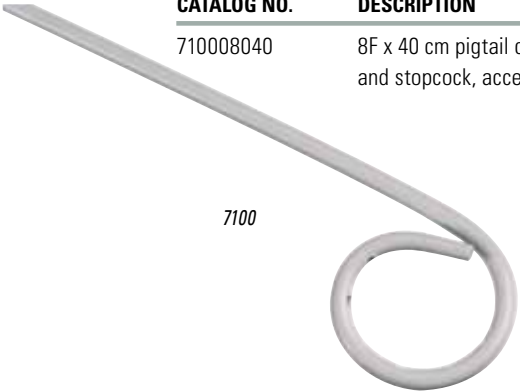
Polyethylene Drainage Catheters & Sets

Polyethylene Drainage Catheters & Sets

- Smooth surface for easy insertion.
- Resistant to drug installation.
- Multiple sizes and configurations for clinical versatility.

Pigtail Nephrostomy Catheter (Box of 10)

CATALOG NO.	DESCRIPTION
710008040	8F x 40 cm pigtail catheter with 8 side holes and stopcock, accepts guidewire .038

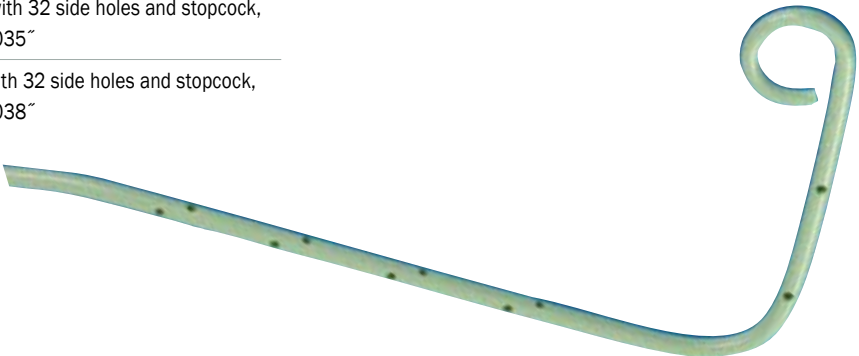


Polyethylene Biliary Drainage Catheter Pigtail (Box of 10)

CATALOG NO.	DESCRIPTION
707466050	6.6F x 50 cm pigtail with 8 side holes and stopcock, accepts guidewire .035"
707407050	7F x 50 cm pigtail with 8 side holes and stopcock, accepts guidewire .035"
707484050	8.4F x 50 cm pigtail with 8 side holes and stopcock, accepts guidewire .035"

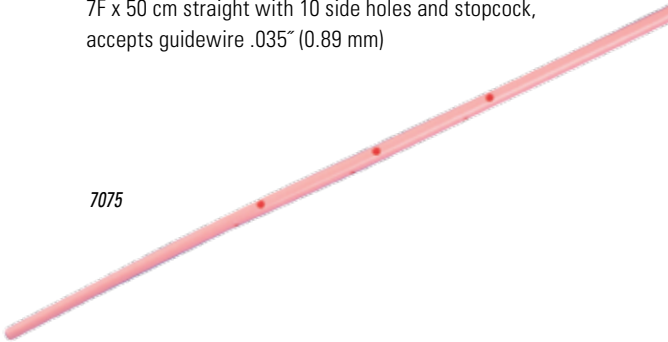
Polyethylene Biliary Drainage Catheter Ring (Box of 10)

CATALOG NO.	DESCRIPTION
709407050	7F x 50 cm Ring with 6 side holes and stopcock, accepts guidewire .035"
707766050	6.6F x 50 cm Ring with 32 side holes and stopcock, accepts guidewire .035"
707707050	7F x 50 cm Ring with 32 side holes and stopcock, accepts guidewire .035"
707784050	8.4F x 50 cm Ring with 32 side holes and stopcock, accepts guidewire .035"
707710050	10F x 50 cm Ring with 32 side holes and stopcock, accepts guidewire .038"



Polyethylene Biliary Drainage Catheter • Straight (Box of 10)

CATALOG NO.	DESCRIPTION
707566050	6.6F x 50 cm straight with 10 side holes and stopcock, accepts guidewire .035" (0.89 mm)
707507050	7F x 50 cm straight with 10 side holes and stopcock, accepts guidewire .035" (0.89 mm)



Pigtail Nephrostomy Set (Box of 5)

CATALOG NO.	DESCRIPTION
714407000	7F Set, 18G x 15 cm puncture needle with stylet, .035" x 82 cm Lunderquist guidewire, 7F x 20 cm dilator, 7F x 40 cm pigtail catheter with 8 side holes and stopcock, drainage bag connector with 3-way stopcock 15 cm

Simple Nephrostomy Set (Box of 5)

CATALOG NO.	DESCRIPTION
710106000	6F Set, 18G x 15 cm puncture needle, 6F x 20 cm dilator, 6F x 40 cm pigtail catheter with 4 side holes, a drainage bag connector 15 cm. Accepts guidewire .038" (not included).

Biliary Drainage Products

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.

PTC Catheter Needles (Box of 10)

CATALOG NO.	DESCRIPTION
603719017	5F x 17 cm straight, accepts guidewire .038", 19G trocar point stylet
603719025	5F x 25 cm straight, accepts guidewire .038", 19G trocar point stylet
603919017	5F x 17 cm straight, accepts guidewire .038", 19G slanting point stylet
603919025	5F x 25 cm straight, accepts guidewire .038", 19G slanting point stylet

PTC Catheter – Single packed (Box of 10)

CATALOG NO.	DESCRIPTION
601305025	5F x 25 cm straight, accepts guidewire .038"



Dilators

Radiopaque polyethylene dilators feature smooth rounded tips with gradual tapering facilitating tissue penetration.

- Perfect tapering improves tissue penetration.
- Luer lock hub for contrast injection and guidewire exchange.
- Radiopaque for fluoroscopic visualization.

Dilators (Box of 10)

CATALOG NO.	DESCRIPTION
610435020	4F x 20 cm, accepts guidewire .035"
610535020	5F x 20 cm, accepts guidewire .035"
610538020	5F x 20 cm, accepts guidewire .038"
610635020	6F x 20 cm, accepts guidewire .035"
610638020	6F x 20 cm, accepts guidewire .038"
610735020	7F x 20 cm, accepts guidewire .035"
610738020	7F x 20 cm, accepts guidewire .038"
610835020	8F x 20 cm, accepts guidewire .035"
610838020	8F x 20 cm, accepts guidewire .038"
610938025	9F x 25 cm, accepts guidewire .038"
611038025	10F x 25 cm, accepts guidewire .038"
611238025	12F x 25 cm, accepts guidewire .038"
611438025	14F x 25 cm, accepts guidewire .038"
611647025	16F x 25 cm, accepts guidewire .047"



Screw Dilators

A screw dilator atraumatically separates tissue, allowing dilation up to 14 French by using only one dilator.

- Minimal patient discomfort.
- Blunt dissection.
- Minimises risk of guidewire dislocation.
- Tissue dilation up to 14F using only one dilator.
- Radiopaque for fluoroscopic visualization.

Screw Dilators (Box of 10)

CATALOG NO.	DESCRIPTION
630738 025	7F x 25 cm, accepts guidewire .038"
630838025	8F x 25 cm, accepts guidewire .038"
630938025	9F x 25 cm, accepts guidewire .038"
631038025	10F x 25 cm, accepts guidewire .038"
631238025	12F x 25 cm, accepts guidewire .038"
631438025	14F x 25 cm, accepts guidewire .038"
631647025	16F x 25 cm, accepts guidewire .047"



Hawkins™ Blunt Needle Access System

Hawkins™ Blunt Needle Access System

- Provides a lightweight method of targeting, remaining in place while position is confirmed. This is especially valuable in CT guided procedures
- The adjustable needle stop localizes the outer cannula to the target, preventing forward migration
- The outer cannula has an echogenic tip, promoting accurate placement under ultrasound guidance
- Numerically ordered centimeter markings on the outer cannula facilitate precise depth placement
- Accommodates most guidewires, biopsy needles, and biopsy instruments

Hawkins™ Blunt Needle Access System (Box of 5)

CATALOG NO.	DESCRIPTION
216057	16G x 5 cm
216107	16G x 10 cm
216157	16G x 15 cm
218057	18G x 5 cm
218107	18G x 10 cm
218157	18G x 15 cm
218207	18G x 20 cm



Access Needles

Stainless steel puncture needle with stylet, PTFE coated puncture needle with stylet

- Stainless steel puncture needle with extra thin wall for maximum internal diameter.
- PTFE coating provides easy visualization during ultrasound guided needle insertion.

Stainless Steel Puncture Needle with Stylet (Box of 10)

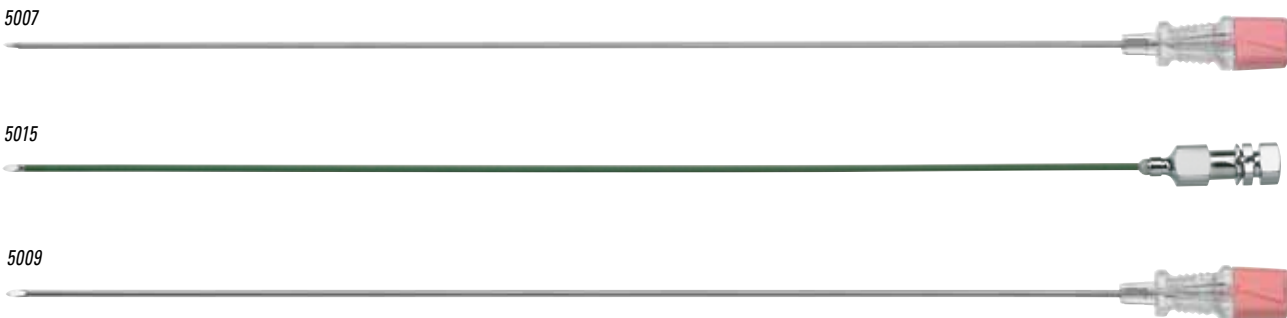
CATALOG NO.	DESCRIPTION
500922020	22G x 20 cm, accepts guidewire .021"
500922025	22G x 25 cm, accepts guidewire .021"
500921015	21G x 15 cm, accepts guidewire .018"
500920015	20G x 15 cm, accepts guidewire .021"
500920020	20G x 20 cm, accepts guidewire .021"
500918015	18G x 15 cm, accepts guidewire .038"
500918020	18G x 20 cm, accepts guidewire .038"
500918033	18G x 33 cm, accepts guidewire .038"

PTFE Coated Puncture Needle (Box of 10)

CATALOG NO.	DESCRIPTION
501518015	18G x 15 cm, accepts guidewire .038"
501518020	18G x 20 cm, accepts guidewire .038"

Trocar Needle (Box of 10)

CATALOG NO.	DESCRIPTION
500721015	21G x 15 cm, accepts guidewire .018"
500718015	18G x 15 cm, accepts guidewire .035"
500718020	18G x 20 cm, accepts guidewire .035"



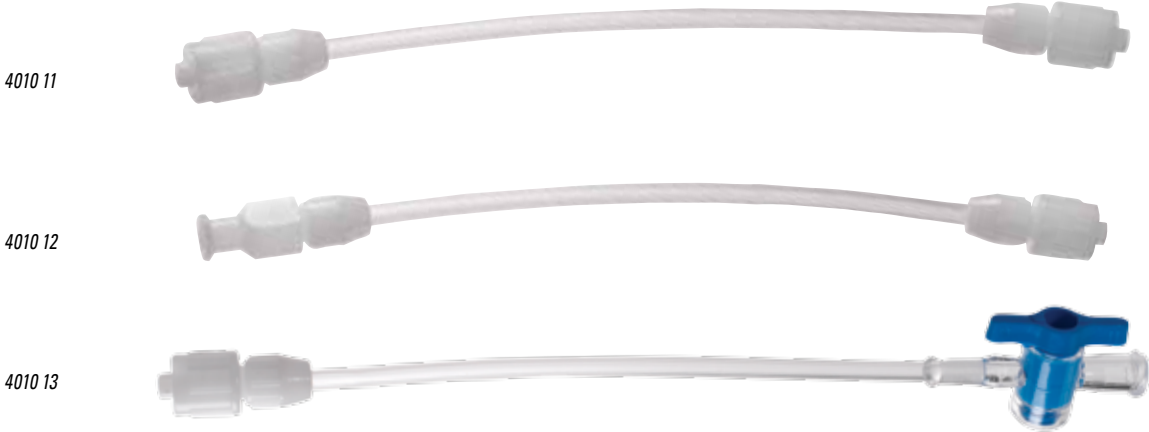
Connecting Tubes – Low Pressure

Non-leaking connection to standard luer lock connections

- Transparent soft tube.
- Standard luer lock connections.
- Wide range of lengths.
- Maximum pressure for tubes 280 psi.
- Maximum pressure for three-way stopcock 50 psi.

Connecting Tubes – Low Pressure (Box of 25)

CATALOG NO.	DESCRIPTION
401004050	50 cm three-way stopcock/female-male, max pressure 50 psi
401011010	10 cm male-male luer lock, max pressure 280 psi
401011025	25 cm male-male luer lock, max pressure 280 psi
401012010	10 cm female-male luer lock, max pressure 280 psi
401012025	25 cm female-male luer lock, max pressure 280 psi
401012050	50 cm female-male luer lock, max pressure 280 psi
401012080	80 cm female-male luer lock, max pressure 280 psi
401013025	25 cm one-way stopcock/female-male luer lock, max pressure 280 psi
401013050	50 cm one-way stopcock/female-male luer lock, max pressure 280 psi
401013080	80 cm one-way stopcock/female-male luer lock, max pressure 280 psi



Connecting Tubes for Drainage Bags

We offer a wide range of connecting tubes for all types of drainage bags. The connecting tubes are available with or without stopcocks.

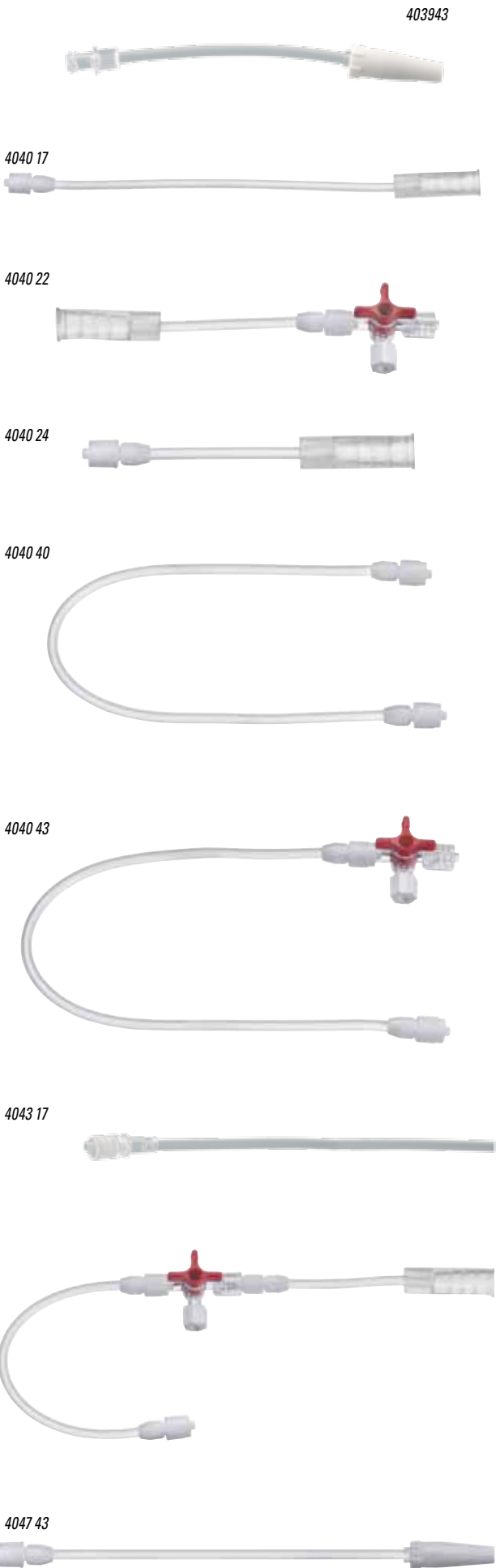
- Flexible, kink-resistant tubing.
- Clinical versatility.

Connecting Tubes, Adapters and Stopcocks (Box of 25)

CATALOG NO.	DESCRIPTION
403943015	15 cm female-olive
404017015	15 cm male-funnel
404017030	30 cm male-funnel
404018015	15 cm one-way stopcock/male-funnel
404018030	30 cm one-way stopcock/male-funnel
404022000	Male/three-way stopcock/funnel
404024000	Male/funnel
404040015	15 cm male - male luer lock
404040030	30 cm male - male luer lock
404043015	15 cm male -3-way stopcock/male luer lock
404043030	30 cm male -3-way stopcock/male luer lock
404317050	50 cm male - tube
404343015	15 cm male luer lock/3-way stopcock - funnel
404343030	30 cm male luer lock/3-way stopcock - funnel
404743015	15 cm male luer lock - olive
801100102	Stopcock – low pressure, max pressure 50 psi
801100103	3-way stopcock – low pressure, max pressure 50 psi



8020 20	802020000	Female/olive with stopper	(Box of 10)
	802021000	Male/olive with stopper	



Drainage Bags

350 ml sterile drainage bag with flocked back and bottom outlet. Should be used with a male to male connecting tube e.g. 4040 40 xxx for secure connection to the drainage catheter.

- Flocked back reduces sweating.
- Minimal patient discomfort.
- Anti-reflux valve to prevent retrograde contamination.
- Acceptable size – can be hidden beneath clothes.
- High patient acceptance.

850007350 350 ml drainage bag – female. (Box of 50)



D-Bag Drainage Bag Sets

Designed for efficient fluid collection during drainage procedures. The 600mL drainage bag has a bottom outlet and an adjustable drain tube length.

- Soft kink-resistant tube can be cut and fit to the appropriate length
- Twist type valve for quick and easy emptying of drainage bag
- Anti-reflux valve to prevent retrograde contamination
- Fully adjustable soft belt

D-Bag Drainage Bag

CATALOG NO.	DESCRIPTION
DBAG600	600 ml drainage, with adjustable drain tube length, Box of 20



New device for fixation of all drainage catheters

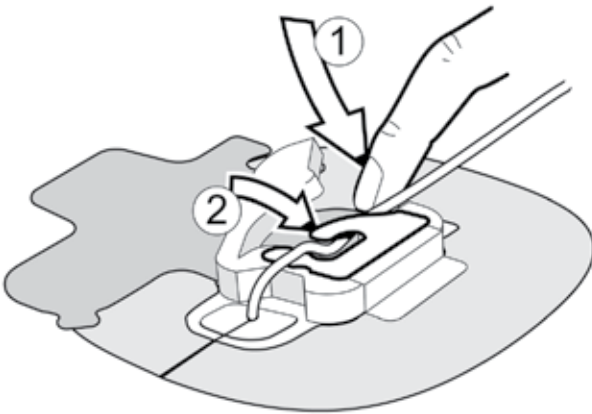
Reduce risk of catheter dislocation – without suturing

SKATER™ FIX is a latex free catheter fixation device, consisting of a central thin carrier which has hydrocolloid adhesive and is covered with non-woven medical grade adhesive. The soft foam support block and velcro prevent the catheter from kinking.

The catheter will be mechanically fixed with velcro, and minimal tape is involved directly on the catheter.

The velcro cover can be opened for puncture site inspection. In this way you have the possibility to look for infection or leakage whenever required.

- Latex free.
- Safe anchoring of drainage catheter up to one week.
- Allows inspection of puncture site without change of dressing.
- Easy to change.
- Minimal risk of catheter dislocation during change of fixation disk.
- Foam bridge prevents catheter kinking.
- Clean catheter with no tape residuals.
- Adjustable to catheters from 5 to 16 French.
- Hydrocolloid carrier will absorb body fluids from puncture site.
- Minimum risk of skin irritation.
- Disc follows patient contour and movements.



SKATER™ FIX catheter fixation device
(Box of 25)

802500001 Latex free catheter fixation device

Skin Fix™ for Connecting Tubes

Skin Fix™ consists of an adhesive area of microporous tape which is applied to the patient's skin, and a fixation strap which keeps the connecting tubes in place.

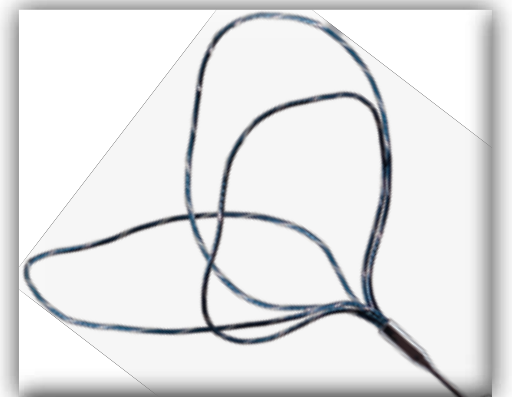
- Comfortable (non-irritant).
- Permeable to humidity and heat.
- Moisture resistant.
- Follows the contours of the skin.
- Fixation strap – with strong adhesion.



Skin Fix™ (Box of 25)

802500000 Sterile, single packed

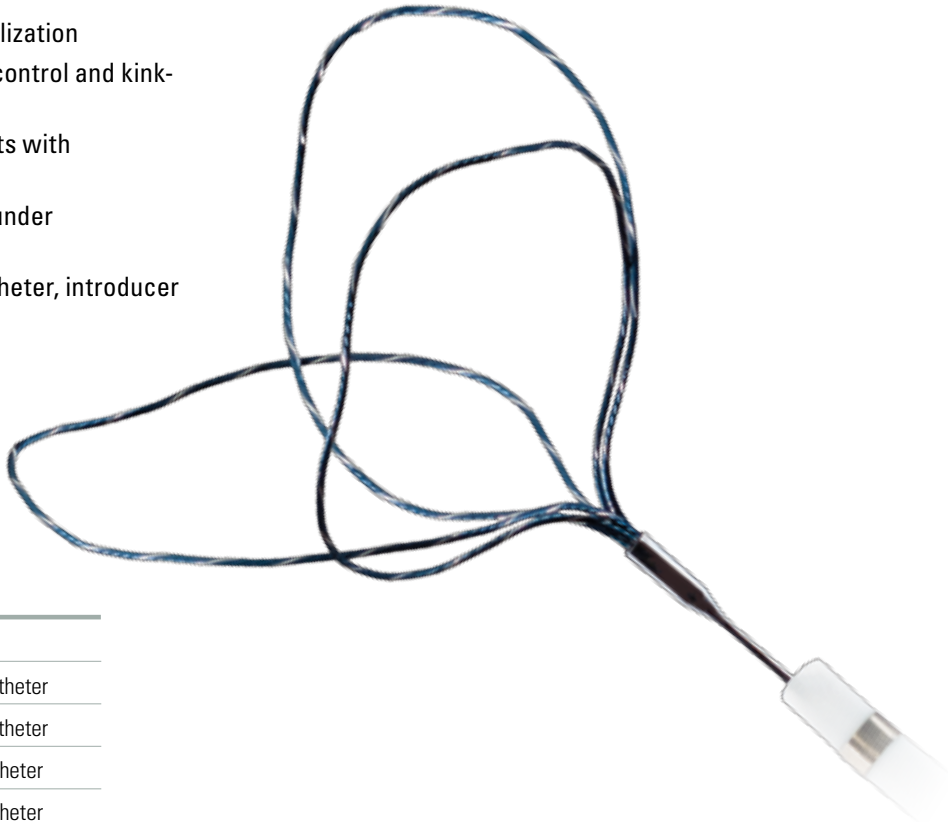
Vascular



Atrieve™ Vascular Snare Kit

Designed to fit a range of vessel sizes, the presence of three loops increases the probability of foreign body capture and provides a distinct advantage when working in confined spaces.

- Multiple, independent, short profile loops with tips on each loop allow for self-sizing to adjust to changing vessel diameter and complete vessel coverage
- Platinum strands provide excellent fluoroscopic visualization
- Shaft and loops made with nitinol wire for 1:1 torque control and kink-resistance
- 15° angled tip (6F and 7F sizes only) on catheter assists with navigation through tortuous anatomy
- Radiopaque band on catheter for increased visibility under fluoroscopy
- Kit includes an Atrieve™ Vascular Snare, delivery catheter, introducer and torque device



Atrieve™ Vascular Snare Kit (Each)

CATALOG NO.	DESCRIPTION
381003004	2-4 mm diameter x 175 cm snare, 3.2F x 150 cm catheter
381003008	4-8 mm diameter x 175 cm snare, 3.2F x 150 cm catheter
382006010	6-10 mm diameter x 120 cm snare, 6F x 100 cm catheter
382006015	9-15 mm diameter x 120 cm snare, 6F x 100 cm catheter
382006020	12-20 mm diameter x 120 cm snare, 6F x 100 cm catheter
382007030	18-30 mm diameter x 120 cm snare, 7F x 100 cm catheter
382007045	27-45 mm diameter x 120 cm snare, 7F x 100 cm catheter



V+Pad™ Non-Invasive Hemostasis Pad

The V+Pad™ Non-Invasive Hemostasis Pad is a hydrophilic wound dressing intended for use in the local management of bleeding wounds such as vascular access sites, percutaneous catheters or tubes, surgical debridement and lacerations. V+Pad™ promotes rapid control of bleeding in patients on anticoagulation therapy.

- Controls persistent bleeding at central venous and arterial catheter sites, and may be cut for easy placement around vascular access catheters
- Double-stitched, woven gauze composition
- D-glucosamine enriched gauze fibers
- Use in conjunction to manual compression



V+Pad™ Non-Invasive Hemostasis Pad (Box of 10)

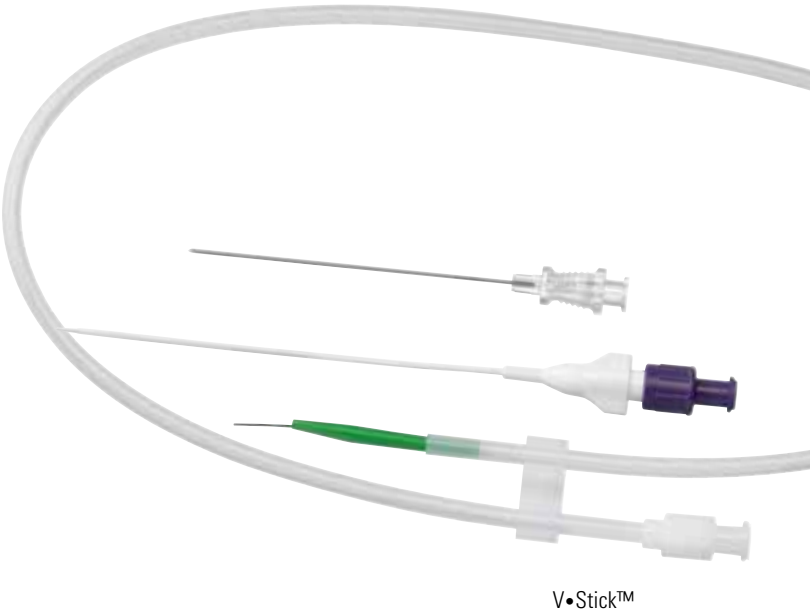
CATALOG NO.	DESCRIPTION
3935	V+Pad™ Non-Invasive Hemostasis Pad, approx. 4 cm x 4 cm



V•Stick™ Vascular Access Set

V•Stick™ Vascular Access Set provides placement of .035” and .038” guidewires into the vascular system using small needle access to reduce puncture site and vessel trauma.

- 21G entry needle with/without echogenic tip
- Radiopaque tip provides excellent manoeuvrability
- V•Stick™ features a smooth transition from inner dilator to the outer sheath
- Available with either .018” stainless steel or nitinol guidewire with platinum tip
- Each set includes a 21G x 7 cm needle, with/without echogenic tip, a .018” x 40 cm stainless steel or nitinol guidewire with platinum tip and a 5F or 4F x 10 cm co-axial dilator/sheath



VenaStick™ Set (Box of 10)

CATALOG NO.	DESCRIPTION
390204300	4F x 10 cm co-axial introducer, 21G x 7 cm puncture needle, .018” nitinol guidewire x 50 cm
390205300	5F x 10 cm co-axial introducer, 21G x 7 cm puncture needle, .018” nitinol guidewire x 50 cm

VenaStick™ Short Needle Version (Box of 10)

CATALOG NO.	DESCRIPTION
390204400	4F x 10 cm co-axial introducer, 21G x 3.8 cm puncture needle, .018” nitinol guidewire x 50 cm

Golden Rule™ Scaling Catheters

The Golden Rule™ Scaling Catheter is used to determine accurate sizing of vessel lumen prior to aortic graft placement, angioplasty, and other interventional procedures.

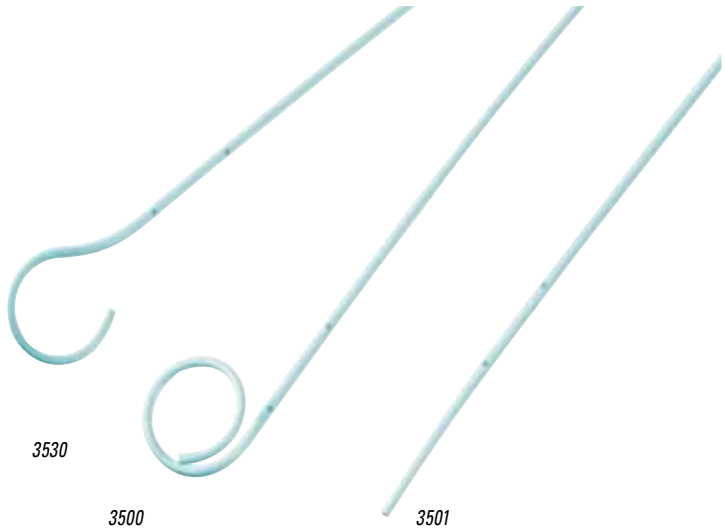
- Gold, radiopaque bands placed at precise 1 cm intervals.
- Pigtail catheter with 21 gold radiopaque bands, enable accurate measurement up to 20 cm.
- Straight catheter with 11 gold radiopaque bands, enable accurate measurement up to 10 cm.
- Allows high pressure injections.
- Accepts .035” guidewire.

Golden Rule™ Scaling Catheter (Box of 5)

CATALOG NO.	DESCRIPTION
352805090	5F x 90 cm, Pigtail catheter with 21 gold rings, 6 side holes, accepts .035” guidewire, max pressure 1200 psi
352905065	5F x 65 cm, Straight catheter with 11 gold rings, 10 side holes, accepts .035” guidewire,



DSA Flush Catheters



Radiopaque Flush Catheter with winged hub and a strain relief. Pigtail and Racket type catheters are supplied with removable split straighteners.

- Thin wall construction for large internal lumen to ensure high flow rate.
- Winged hub and strain relief improves catheter manipulation.

DSA Flush Catheter • Pigtail (Box of 10)

CATALOG NO.	DESCRIPTION
350004065	4F x 65 cm, 8 side holes, flow rate 18 ml/sec, accepts .035” guidewire, max pressure 1000 psi
350004090	4F x 90 cm, 8 side holes, flow rate 16 ml/sec, accepts .035” guidewire, max pressure 1000 psi
350005065	5F x 65 cm, 8 side holes, flow rate 29 ml/sec, accepts .035” guidewire, max pressure 1200 psi
350005090	5F x 90 cm, 8 side holes, flow rate 28 ml/sec, accepts .035” guidewire, max pressure 1200 psi

DSA Flush Catheter • Straight (Box of 10)

CATALOG NO.	DESCRIPTION
350104065	4F x 65 cm, 10 side holes, flow rate 18 ml/sec, accepts .035” guidewire, max pressure 1000 psi
350104090	4F x 90 cm, 10 side holes, flow rate 16 ml/sec, accepts .035” .035” guidewire, max pressure 1000 psi
350105065	5F x 65 cm, 10 side holes, flow rate 29 ml/sec, accepts .035” guidewire, max pressure 1200 psi
350105090	5F x 90 cm, 10 side holes, flow rate 28 ml/sec, accepts .035” guidewire, max pressure 1200 psi

DSA Flush Catheter • Racket (Box of 10)

CATALOG NO.	DESCRIPTION
353004065	4F x 65 cm, 8 side holes, flow rate 18 ml/sec, accepts .035” guidewire, max pressure 1000 psi
353005065	5F x 65 cm, 8 side holes, flow rate 29 ml/sec, accepts .035” guidewire, max pressure 1200 psi
353005090	5F x 90 cm, 8 side holes, flow rate 28 ml/sec, accepts .035” guidewire, max pressure 1200 psi

Connecting Tubes – High Pressure

- Non-leaking connection to standard luer lock connections.
- Standard luer lock connections with or without stopcock.
 - Rotational connecting part.

Connecting Tubes – High Pressure (Box of 25)	
CATALOG NO.	DESCRIPTION
403711025	25 cm female-rotating male luer lock, co-extruded tubing, max pressure 1000 psi
403711060	60 cm female-rotating male luer lock, co-extruded tubing, max pressure 1000 psi
403711100	100 cm female-rotating male luer lock, co-extruded tubing, max pressure 1000 psi
403711120	120 cm female-rotating male luer lock, co-extruded tubing, max pressure 1000 psi
801000102	One way stopcock, max pressure 1000 psi



Vascular Dilators

- Radiopaque polyethylene dilators feature smooth rounded tips with gradual tapering facilitating tissue penetration.
- Perfect tapering improves tissue penetration.
 - Luer lock hub for contrast injection and guidewire exchange.
 - Radiopaque for fluoroscopic visualisation.

Vascular Dilators (Box of 10)	
CATALOG NO.	DESCRIPTION
610435020	4F x 20 cm, accepts guidewire .035"
610535020	5F x 20 cm, accepts guidewire .035"
610538020	5F x 20 cm, accepts guidewire .038"
610635020	6F x 20 cm, accepts guidewire .035"
610638020	6F x 20 cm, accepts guidewire .038"
610735020	7F x 20 cm, accepts guidewire .035"
610738020	7F x 20 cm, accepts guidewire .038"
610835020	8F x 20 cm, accepts guidewire .035"
610838020	8F x 20 cm, accepts guidewire .038"



Guidewire Introducer Needles

- Guidewire Introducer Needles**
- Designed for anterior, single wall, arterial percutaneous puncture
 - Tapered luer hub allows for easy guidewire insertion
 - Available with a clear window wall hub
 - Also available with winged base plate

- Seldinger Needles**
- Designed for easy, atraumatic, percutaneous arterial puncture
 - Color coded stylet

- Potts/Cournand Needle**
- Designed for carotid angiography, direct arterial pressure monitoring, blood sampling and percutaneous catheterization

Guidewire Introducer Needle (Box of 25)

CATALOG NO.	DESCRIPTION
GW11802	18G x 7 cm, accepts .038" guidewire
GW11902	19G x 7 cm, accepts .035" guidewire
GW11802WW	18G x 7 cm, accepts .038" guidewire, window wall hub

Guidewire Introducer Needle/Winged Base Plate (Box of 25)

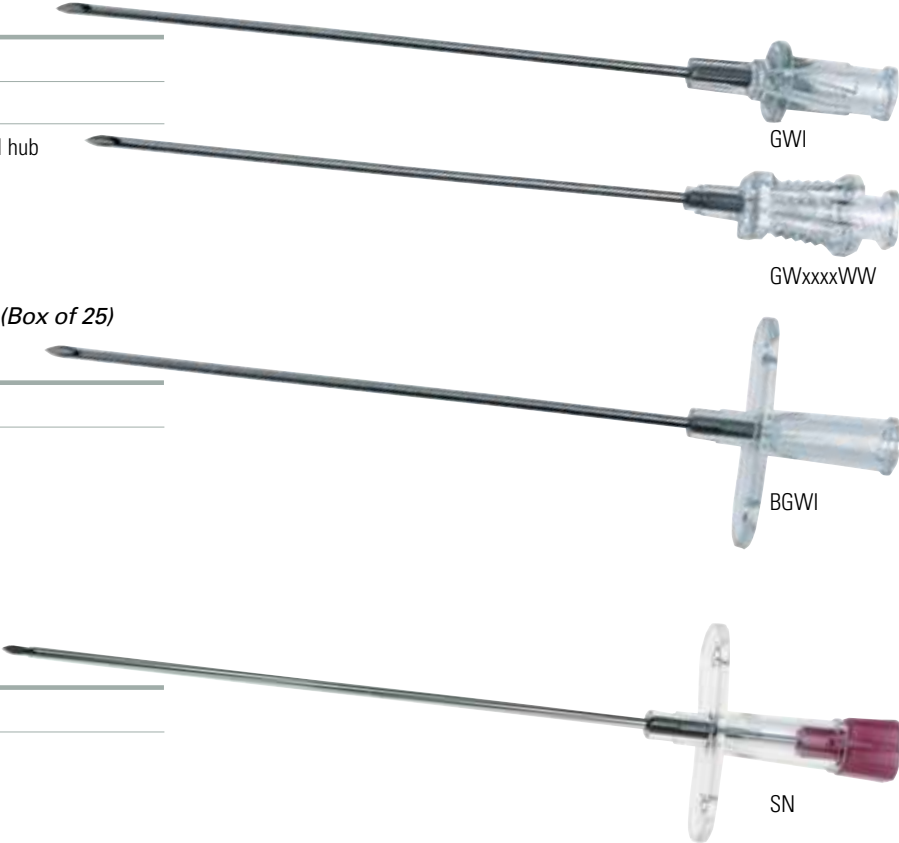
CATALOG NO.	DESCRIPTION
BGW11802	18G x 7 cm, accepts .038" guidewire
BGW11902	19G x 7 cm, accepts .035" guidewire

Seldinger Needle (Box of 25)

CATALOG NO.	DESCRIPTION
SN1802	18G x 7 cm, accepts .038" guidewire
SN1902	19G x 7 cm, accepts .035" guidewire

Potts/Cournand Needle (Box of 25)
(not illustrated)

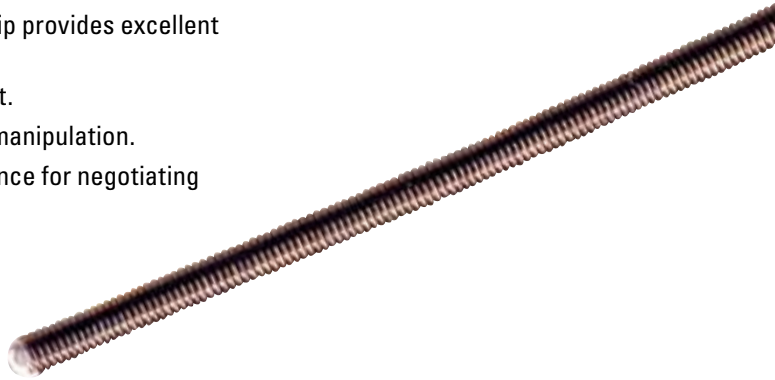
CATALOG NO.	DESCRIPTION
MPCN1802	18G x 5.7 cm, accepts .038" guidewire



POINTER™ Nitinol Guidewire

Flexibility and stability, strength and malleability all in one wire – available in two sizes: .018” and .020”

- 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.



POINTER™ Nitinol Guidewire 4 cm flexible coil (Box of 5)

CATALOG NO.	DESCRIPTION
180418210	.018” x 210 cm
180418260	.018” x 260 cm
180418300	.018” x 300 cm
180420210	.020” x 210 cm
180420300	.020” x 300 cm

POINTER™ Nitinol Guidewire 6 cm flexible coil (Box of 5)

CATALOG NO.	DESCRIPTION
180620210	.020” x 210 cm
180620300	.020” x 300 cm

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.

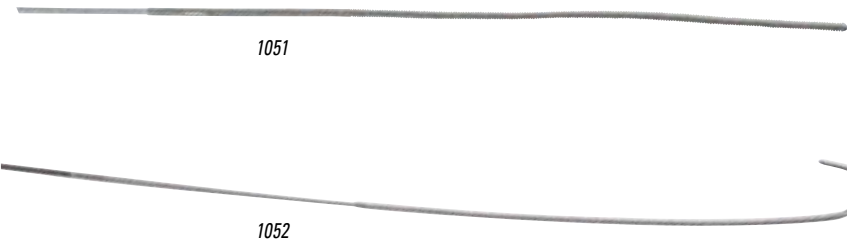
- Lunderquist Guidewire for firm support.
- Available in a variety of lengths and tip configurations.

Lunderquist Stainless Steel Guidewire Straight (Box of 10)

CATALOG NO.	DESCRIPTION
105128082	.028” (0.71 mm) x 82 cm, 7.5 cm flexible coil
105135082	.035” (0.89 mm) x 82 cm, 7.5 cm flexible coil
105135120	.035” (0.89 mm) x 120 cm, 7.5 cm flexible coil

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

CATALOG NO.	DESCRIPTION
105228082	.028” (0.71 mm) x 82 cm, 7.5 cm flexible coil
105235082	.035” (0.89 mm) x 82 cm, 7.5 cm flexible coil
105235120	.035” (0.89 mm) x 120 cm, 7.5 cm flexible coil

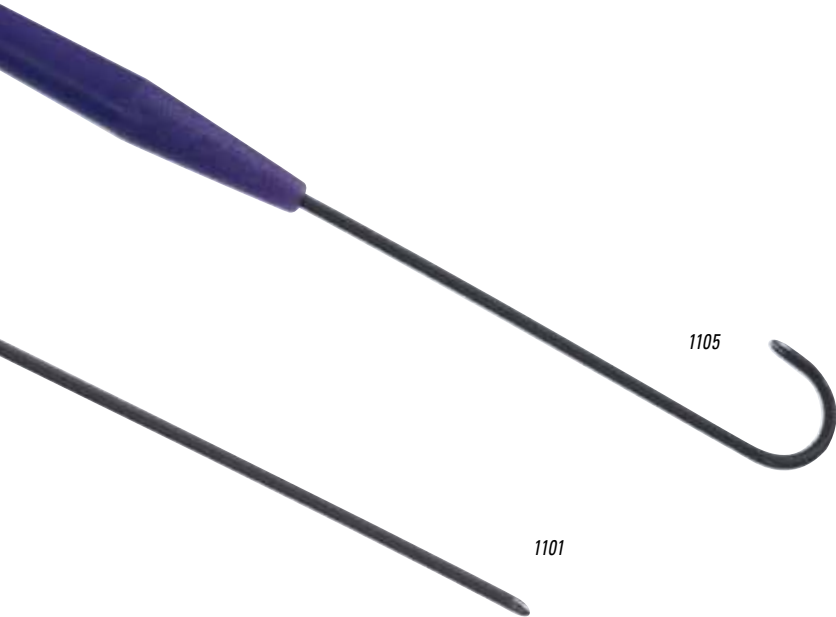


WORKER™ Guidewires

WORKER™ guidewires are manufactured with a pre-coating technique offering a safe and flexible guidewire.

The PTFE coating used is the latest formula resulting in low 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 locks the wire in the dispenser and provides easy introduction in the puncture needle or catheter.



Standard • Straight, with fixed core (Box of 10)

CATALOG NO.	DESCRIPTION
110135150	.035” x 150 cm, 3.5 cm soft tip
110138150	.038” x 150 cm, 3.5 cm soft tip

Standard • with J Curve, fixed core (Box of 10)

CATALOG NO.	DESCRIPTION
110535150	.035” x 150 cm, 3 mm J 3.5 cm soft tip
110538150	.038” x 150 cm, 3 mm J 3.5 cm soft tip

Amplatz • Straight (Box of 10)

CATALOG NO.	DESCRIPTION
114035090	.035” x 90 cm, 7.5 cm soft tip
114035150	.035” x 150 cm, 7.5 cm soft tip
114035180	.035” x 180 cm, 7.5 cm soft tip
114135080	.035” x 80 cm, 3.5 cm soft tip
114135150	.035” x 150 cm, 3.5 cm soft tip
114135180	.035” x 180 cm, 3.5 cm soft tip

Amplatz • 3 mm J Curve (Box of 10)

CATALOG NO.	DESCRIPTION
114235090	.035” x 90 cm, 3 mm J 7.5 cm soft tip
114235150	.035” x 150 cm, 3 mm J 7.5 cm soft tip

Access Guidewires

.018 Nitinol Access Guidewire (Box of 5)

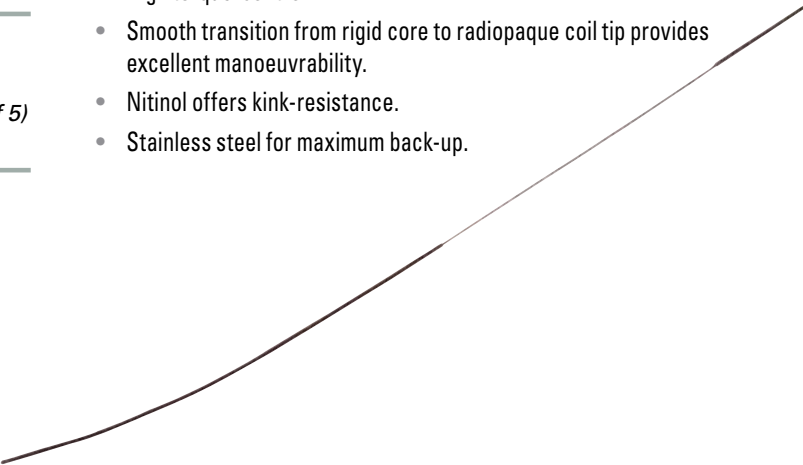
CATALOG NO.	DESCRIPTION
172618080	.018” (0.46 mm) x 80 cm, 6.5 cm radiopaque coil tip

.018 Access Guidewire • Stainless Steel Shaft (Box of 5)

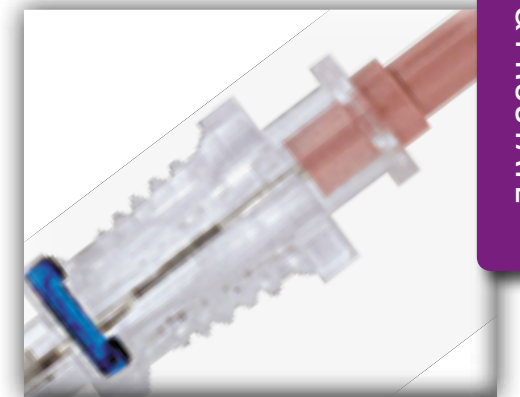
CATALOG NO.	DESCRIPTION
107018080	.018” (0.46 mm) x 80 cm, 6.5 cm radiopaque coil tip

Access Guidewires

- High torque-control.
- Smooth transition from rigid core to radiopaque coil tip provides excellent manoeuvrability.
- Nitinol offers kink-resistance.
- Stainless steel for maximum back-up.



HSG & Prostate



HSG Catheters

HSG catheters are designed for diagnostic procedures, such as radiological hysterosalpingography or hysterosonography. The HSG catheter has a soft, concentric, non-latex balloon, which prevents leakage of saline or contrast media.

- Open ended, round distal tip provides atraumatic insertion with uniform contrast distribution
- The unique, malleable introduction sheath easily positions the catheter through the cervix into the uterine cavity
- Color coded stopcocks are attached to the catheter lumens; the blue stopcock is for balloon inflation and the white is for contrast media injection



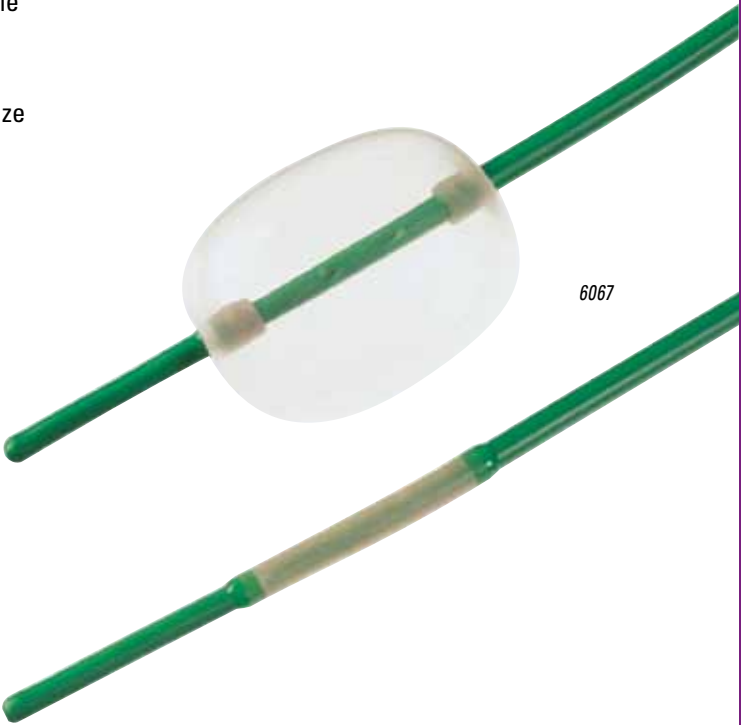
HSG Catheter (Box of 10)

CATALOG NO.	DESCRIPTION
660005040	5F x 40 cm, accepts .035" guidewire
660007040	7F x 40 cm, accepts .038" guidewire

Enteroclysis Catheters

The Enteroclysis Catheter is made of soft radiopaque polyvinylchloride for single or double contrast examination of the small bowel.

- 13F soft radiopaque catheter with a non-latex balloon.
- A large internal diameter allowing good contrast flow and a small external size for reduced patient discomfort.
- Stiff curved PTFE coated guidewire offers steerability of the catheter tip.
- The balloon prevents duodeno-gastric reflux of contrast media during examination.



Enteroclysis Catheter (Box of 2)

CATALOG NO.	DESCRIPTION
6067 13 000	Set, 13F x 140 cm enteroclysis catheter with balloon, .052" x 150 cm stiffening wire with torque device

Duodenography Catheters and Sets

Radiopaque polyvinylchloride catheter with closed end and 6 side holes for even distribution of contrast. The catheter is fitted with female luer lock for secure connection to syringe. Available as a set or as single-packed products.

- Soft radiopaque flexible catheter for quick introduction.
- Round tip for atraumatic introduction.
- Malleable PTFE coated stiffening wire with knob to facilitate insertion and manipulation.



Duodenography Catheters (Box of 10)

CATALOG NO.	DESCRIPTION
600610150	10F x 150 cm duodenography catheter
600612150	12F x 150 cm duodenography catheter
600614150	14F x 150 cm duodenography catheter

WORKER™ Guidewires Stiffening wire for duodenography (Box of 10)

CATALOG NO.	DESCRIPTION
117552150	.052" x 150 cm

Duodenography Sets incl. Duodenography catheter and WORKER™ Guidewire (Box of 5)

CATALOG NO.	DESCRIPTION
600610000	Set, 10F x 150 cm duodenography catheter, .052" x 150 cm stiffening wire with knob
600612000	Set, 12F x 150 cm duodenography catheter, .052" x 150 cm stiffening wire with knob
600614000	Set, 14F x 150 cm duodenography catheter, .052" x 150 cm stiffening wire with knob

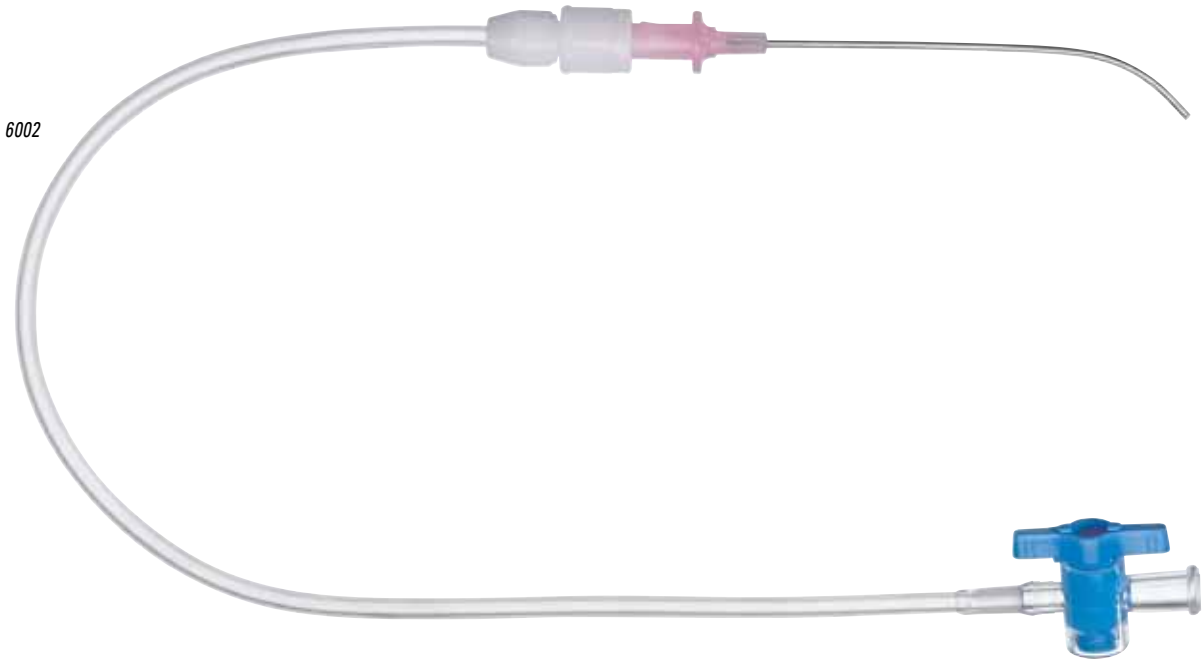
Cholangiography Set

A blunt cannula with a connecting tube for contrast injection.

- Injection cannula is blunt to minimize puncture of the common bile duct or choledochus.

Cholangiography Set (Box of 10)

CATALOG NO.	DESCRIPTION
600212025	18G x 6.5 cm blunt curved needle with 25 cm connecting tube (female)



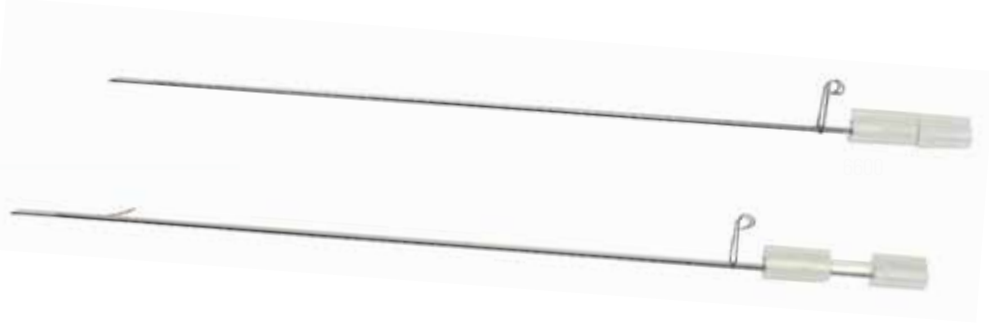
Visit www.AngioEduPRO.com, our educational website for healthcare professionals

www.angiotech.com

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.

- Two-part hub design separates, locking the side barb in position
- The narrow side of the white, tear drop shaped hub indicates the deployment position of the side barb and the orientation of the needle point
- Each needle has an echogenic tip, promoting accurate placement under ultrasound



Prostate Stabilization Needles (Box of 20)

CATALOG NO.	DESCRIPTION
500118200	18G x 20 cm

Prostate Seeding Sets

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

- The 5003 series in designed for use with the Mick® 200-TP and 200-TPV applicators
- The 5005 needle cannula is more rigid for better trackability and is compatible with the Bard® EXPRESS Seeding Cartridge. It features one-half centimeter markings on the inner stylet to indicate the number of seeds in the needle after loading
- The 5006 needle cannula is more flexible for better steerability and features one-half centimeter markings on the inner stylet to indicate the number of seeds in the needle after loading



Prostate Seeding Sets (Box of 25)

CATALOG NO.	DESCRIPTION
500318200SX	For use with Mick® 200 – TP & 200 – TPV applicators 18G x 20 cm
500518200X	18G Rigid ETW x 20 cm
500618200X	18G Flexible UTW x 20 cm

Biopsy

CATALOG NO.	PRODUCT	PAGE
7675	Pro-Mag™ Ultra Automatic Biopsy Instrument	9
231030G	Homer Needle, 20G x 3 cm	21
231050G	Homer Needle, 20G x 5 cm	21
231075G	Homer Needle, 20G x 7.5 cm	21
231100G	Homer Needle, 20G x 10 cm	21
231125G	Homer Needle, 20G x 12.5 cm	21
242050	Hawkins™ II Needle, 20G x 5.0 cm	21
242075	Hawkins™ II Needle, 20G x 7.5 cm	21
242100	Hawkins™ II Needle, 20G x 10 cm	21
242125	Hawkins™ II Needle, 20G x 12.5 cm	21
243030	Hawkins™ III Needle, 20G x 3 cm	22
243050	Hawkins™ III Needle, 20G x 5.0 cm	22
243075	Hawkins™ III Needle, 20G x 7.5 cm	22
243100	Hawkins™ III Needle, 20G x 10.0 cm	22
243125	Hawkins™ III Needle, 20G x 12.5 cm	22
244030	Hawkins™ III Needle, 20G x 3 cm, echogenic tip	22
244050	Hawkins™ III Needle, 20G x 5 cm, echogenic tip	22
244075	Hawkins™ III Needle, 20G x 7.5 cm, echogenic tip	22
244100	Hawkins™ III Needle, 20G x 10 cm, echogenic tip	22
244125	Hawkins™ III Needle, 20G x 12.5 cm, echogenic tip	22
251050	Hawkins™ I Needle, 20G x 5 cm	21
251075	Hawkins™ I Needle, 20G x 7.5 cm	21
251100	Hawkins™ I Needle, 20G x 10 cm	21
251125	Hawkins™ I Needle, 20G x 12.5 cm	21
252050	Hawkins™ II Needle, 20G x 5 cm, Flexstrand™	21
252075	Hawkins™ II Needle, 20G x 7.5 cm, Flexstrand™	21
252100	Hawkins™ II Needle, 20G x 10 cm, Flexstrand™	21
252125	Hawkins™ II Needle, 20G x 12.5 cm, Flexstrand™	21
253030	Hawkins™ III Needle, 20G x 3 cm, Flexstrand™	22
253050	Hawkins™ III Needle, 20G x 5 cm, Flexstrand™	22
253075	Hawkins™ III Needle, 20G x 7.5 cm, Flexstrand™	22
253100	Hawkins™ III Needle, 20G x 10 cm, Flexstrand™	22
253125	Hawkins™ III Needle, 20G x 12.5 cm, Flexstrand™	22
266050	Accura™ II Needle, 20G x 5 cm	23
266075	Accura™ II Needle, 20G x 7.5 cm	23
266100	Accura™ II Needle, 20G x 10 cm	23
266125	Accura™ II Needle, 20G x 12.5 cm	23
360-1080-01	BioPince™ Instrument, 18G x 10 cm	6
360-1580-01	BioPince™ Instrument, 18G x 15 cm	6
360-2080-01	BioPince™ Instrument, 18G x 20 cm	6
370-1080-01	BioPince™ Instrument, 16G x 10 cm	6
370-1580-01	BioPince™ Instrument, 16G x 15 cm	6
701114090	SuperCore™ Instrument, 14G x 9 cm	8
701114150	SuperCore™ Instrument, 14G x 15 cm	8
701114200	SuperCore™ Instrument, 14G x 20 cm	8
701116090	SuperCore™ Instrument, 16G x 9 cm	8
701116150	SuperCore™ Instrument, 16G x 15 cm	8
701116200	SuperCore™ Instrument, 16G x 20 cm	8
701118090	SuperCore™ Instrument, 18G x 9 cm	8
701118150	SuperCore™ Instrument, 18G x 15 cm	8
701118200	SuperCore™ Instrument, 18G x 20 cm	8
701120090	SuperCore™ Instrument, 20G x 9 cm	8
701120150	SuperCore™ Instrument, 20G x 15 cm	8
701120200	SuperCore™ Instrument, 20G x 20 cm	8
762614100	UltraCore™ Needle, 14G x 10 cm	11
762614130	UltraCore™ Needle, 14G x 13 cm	11
762614160	UltraCore™ Needle, 14G x 16 cm	11
762616100	UltraCore™ Needle, 16G x 10 cm	11
762616160	UltraCore™ Needle, 16G x 16 cm	11
762618100	UltraCore™ Needle, 18G x 10 cm	11
762618160	UltraCore™ Needle, 18G x 16 cm	11

CATALOG NO.	PRODUCT	PAGE
762618200	UltraCore™ Needle, 18G x 20 cm	11
762618250	UltraCore™ Needle, 18G x 25 cm	11
762618300	UltraCore™ Needle, 18G x 30 cm	11
763314100	Tru-Core™ I Needle, 14G x 10 cm	12
763314160	Tru-Core™ I Needle, 14G x 16 cm	12
763316100	Tru-Core™ I Needle, 16G x 10 cm	12
763318200	Tru-Core™ I Needle, 18G x 20 cm	12
763818200	Tru-Core™ I Uro Needle, 18G x 20 cm	12
763818250	Tru-Core™ I Uro Needle, 18G x 25 cm	12
763114100X	Tru-Core™ II Instrument, 14G x 10 cm	7
763114160X	Tru-Core™ II Instrument, 14G x 16 cm	7
763114200X	Tru-Core™ II Instrument, 14G x 20 cm	7
763116100X	Tru-Core™ II Instrument, 16G x 10 cm	7
763116160X	Tru-Core™ II Instrument, 16G x 16 cm	7
763116200X	Tru-Core™ II Instrument, 16G x 20 cm	7
763118100X	Tru-Core™ II Instrument, 18G x 10 cm	7
763118160X	Tru-Core™ II Instrument, 18G x 16 cm	7
763118200X	Tru-Core™ II Instrument, 18G x 20 cm	7
763120100X	Tru-Core™ II Instrument, 20G x 10 cm	7
763120160X	Tru-Core™ II Instrument, 20G x 16 cm	7
763120200X	Tru-Core™ II Instrument, 20G x 20 cm	7
763418200X	Tru-Core™ II Uro Instrument, 18G x 20 cm	7
763418250X	Tru-Core™ II Uro Instrument, 18G x 25 cm	7
765014100	Pro-Mag™ Ultra Needle, 14G x 10 cm	9
765014120	Pro-Mag™ Ultra Needle, 14G x 12 cm	9
765014160	Pro-Mag™ Ultra Needle, 14G x 16 cm	9
765016100	Pro-Mag™ Ultra Needle, 16G x 10 cm	9
765016160	Pro-Mag™ Ultra Needle, 16G x 16 cm	9
765016200	Pro-Mag™ Ultra Needle, 16G x 20 cm	9
765018100	Pro-Mag™ Ultra Needle, 18G x 10 cm	9
765018160	Pro-Mag™ Ultra Needle, 18G x 16 cm	9
765018200	Pro-Mag™ Ultra Needle, 18G x 20 cm	9
765018250	Pro-Mag™ Ultra Needle, 18G x 25 cm	9
765018300	Pro-Mag™ Ultra Needle, 18G x 30 cm	9
765020100	Pro-Mag™ Ultra Needle, 20G x 10 cm	9
765020160	Pro-Mag™ Ultra Needle, 20G x 16 cm	9
766411150T	V-Mark™ Site Marker, 11G	20
766709120SST	V-Mark™ Site Marker, 9G	20
766712120SST	V-Mark™ Site Marker, 12G	20
766914100SST	V-Mark™ Site Marker, 15G x 10 cm	20
766914180SST	V-Mark™ Site Marker, 15G x 18 cm	20
ACN1410MF	ACN™ Biopsy Needle, 14G x 10 cm	10
ACN1416MF	ACN™ Biopsy Needle, 14G x 16 cm	10
ACN1610MF	ACN™ Biopsy Needle, 16G x 10 cm	10
ACN1616MF	ACN™ Biopsy Needle, 16G x 16 cm	10
ACN1620MF	ACN™ Biopsy Needle, 16G x 20 cm	10
ACN1810MF	ACN™ Biopsy Needle, 18G x 10 cm	10
ACN1816MF	ACN™ Biopsy Needle, 18G x 16 cm	10
ACN1820MF	ACN™ Biopsy Needle, 18G x 20 cm	10
ACN1825MF	ACN™ Biopsy Needle, 18G x 25 cm	10
ACN1830MF	ACN™ Biopsy Needle, 18G x 30 cm	10
ACN2010MF	ACN™ Biopsy Needle, 20G x 10 cm	10
ACN2016MF	ACN™ Biopsy Needle, 20G x 16 cm	10
ACN2020MF	ACN™ Biopsy Needle, 20G x 20 cm	10
BLN2003	Accura™ Needle, 20G x 3 cm	23
BLN2005	Accura™ Needle, 20G x 5 cm	23
BLN20075	Accura™ Needle, 20G x 7.5 cm	23
BLN2010	Accura™ Needle, 20G x 10 cm	23
BLN2015	Accura™ Needle, 20G x 15 cm	23
BLN2103	Accura™ Needle, 21G x 3 cm	23
BLN2105	Accura™ Needle, 21G x 5 cm	23
BLN21075	Accura™ Needle, 21G x 7.5 cm	23
BLN2110	Accura™ Needle, 21G x 10 cm	23

CATALOG NO.	PRODUCT	PAGE
BLND2003	D Wire Needle, 20G x 3 cm	24
BLND2005	D Wire Needle, 20G x 5 cm	24
BLND20075	D Wire Needle, 20G x 7.5 cm	24
BLND2010	D Wire Needle, 20G x 10 cm	24
BLND2015	D Wire Needle, 20G x 15 cm	24
DBMNI1501	Bone Marrow Aspiration Needle, 15G x 2.688”	19
DBMNI1504	Bone Marrow Aspiration Needle 15G x 4”	19
DBMNI1601	Bone Marrow Aspiration Needle, 16G x 2.688”	19
DBMNJ0804TL	T-Lok™ Bone Marrow Biopsy Needle, 8G x 4”	19
DBMNJ0806TL	T-Lok™ Bone Marrow Biopsy Needle, 8G x 6”	19
DBMNJ1104TL	T-Lok™ Bone Marrow Biopsy Needle, 11G x 4”	19
DBMNJ1106TL	T-Lok™ Bone Marrow Biopsy Needle, 11G x 6”	19
DBMNJ13025	T-Lok™ Bone Marrow Biopsy Needle, 13G x 2.5”	19
DBMNJ1304	T-Lok™ Bone Marrow Biopsy Needle, 13G x 4”	19
DGK002SX	Galactography Kits 30G, w/straight cannula	25
DGK002X	Galactography Kits 30G, w/curved cannula	25
LNGC14GX	Needle Guides, 14G, Closed type	17
LNGC1619PX	Needle Guides, 16G-19G, Closed type	17
LNGC2022YX	Needle Guides, 20G-22G, Closed type	17
LNGO1619PX	Needle Guides, 16G-19G, Open type	17
LNGO2022YX	Needle Guides, 20G-22G, Open type	17
MCN1803	Chiba Needles, 18G x 9 cm	13
MCN1803US	Chiba Needles, 18G x 9 cm, needle stop & echogenic tip	13
MCN1806	Chiba Needles, 18G x 15 cm	13
MCN1806US	Chiba Needles, 18G x 15 cm, needle stop & echogenic tip	13
MCN1808	Chiba Needles, 18G x 20 cm	13
MCN1808US	Chiba Needles, 18G x 20 cm, needle stop & echogenic tip	13
MCN2003	Chiba Needles, 20G x 9 cm	13
MCN2003US	Chiba Needles, 20G x 9 cm, needle stop & echogenic tip	13
MCN2006	Chiba Needles, 20G x 15 cm	13
MCN2006US	Chiba Needles, 20G x 15 cm, needle stop & echogenic tip	13
MCN2008	Chiba Needles, 20G x 20 cm	13
MCN2008US	Chiba Needles, 20G x 20 cm, needle stop & echogenic tip	13
MCN2203	Chiba Needles, 22G x 9 cm	13
MCN2203US	Chiba Needles, 22G x 9 cm, needle stop & echogenic tip	13
MCN2206	Chiba Needles, 22G x 15 cm	13
MCN2206US	Chiba Needles, 22G x 15 cm, needle stop & echogenic tip	13
MCN2208	Chiba Needles, 22G x 20 cm	13
MCN2208US	Chiba Needles, 22G x 20 cm, needle stop & echogenic tip	13
MCXS1409LX	Co-axial Introducer Needle, 13G x 3.9 cm	8
MCXS1410AX	Co-axial Introducer Needle, 13G x 4.6 cm	9, 10
MCXS1410MX	Co-axial Introducer Needle, 13G x 4.3 cm	11
MCXS1410TX	Co-axial Introducer Needle, 13G x 5.1 cm	7, 12
MCXS1415LX	Co-axial Introducer Needle, 13G x 9.9 cm	8
MCXS1416AX	Co-axial Introducer Needle, 13G x 10.6 cm	9, 10
MCXS1416MX	Co-axial Introducer Needle, 13G x 10.3 cm	11
MCXS1416TX	Co-axial Introducer Needle, 13G x 11.1 cm	7, 12
MCXS1609LX	Co-axial Introducer Needle, 15G x 3.9 cm	8
MCXS1610AX	Co-axial Introducer Needle, 15G x 4.6 cm	9, 10, 18
MCXS1610BP	Co-axial Introducer Needle, 15G x 6.8 cm	6
MCXS1610MX	Co-axial Introducer Needle, 15G x 4.3 cm	11
MCXS1610TX	Co-axial Introducer Needle, 15G x 5.1 cm	7, 12
MCXS1615BP	Co-axial Introducer Needle, 15G x 11.8 cm	8
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Terms and Conditions

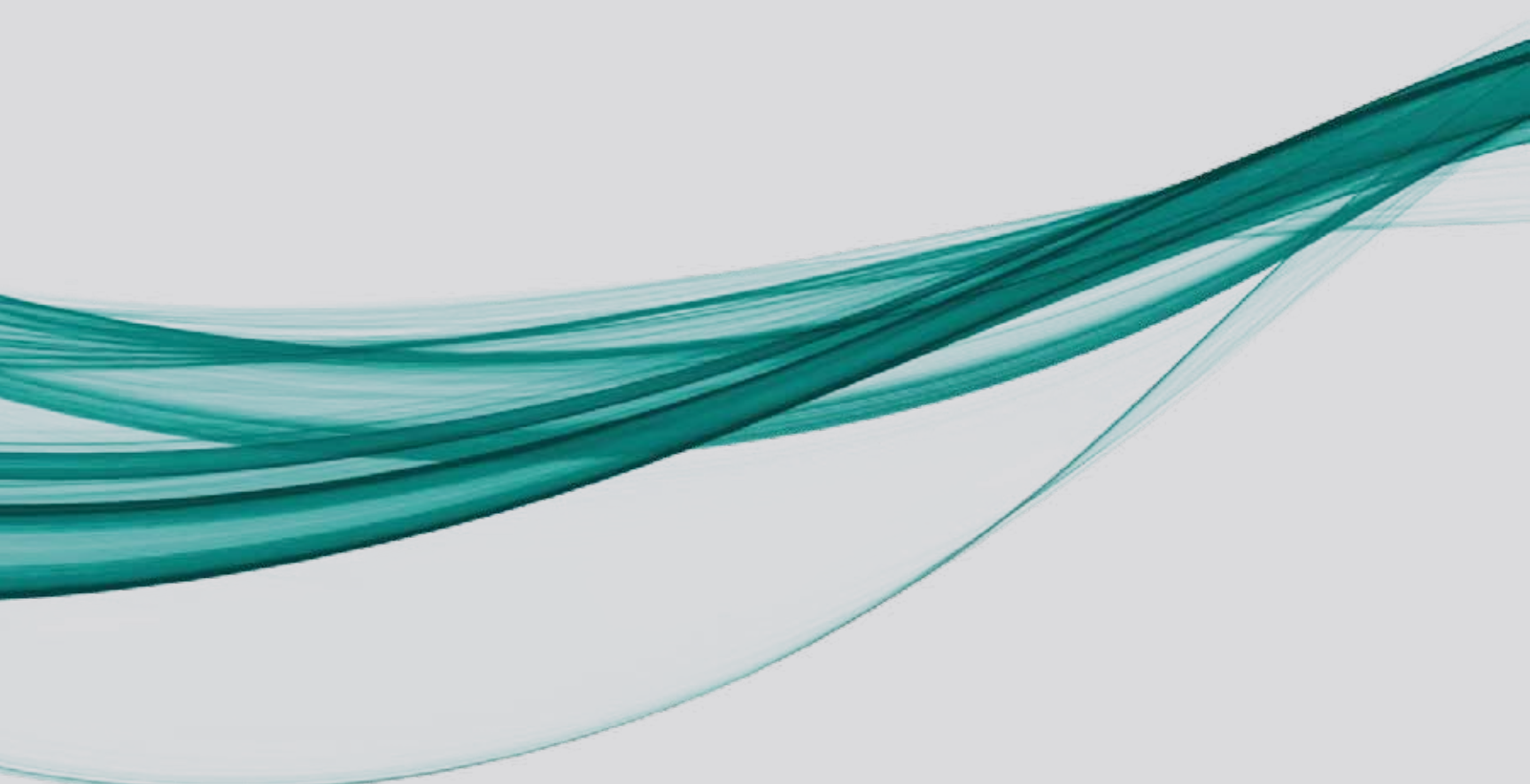
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