

# Soft Tissue Biopsy

- TLAB® Transjugular Liver Biopsy System
- BioPince® Ultra Full Core Biopsy Instrument
- BioPince® Full Core Biopsy Instrument
- Tru-Core™ II Automatic Biopsy Instrument
- SuperCore™ Semi-Automatic Biopsy Instrument
- Pro-Mag™ Ultra Automatic Biopsy Instrument
- Pro-Mag™ Ultra Biopsy Needles
- Pro-Mag™ Ultra ST Automatic Biopsy Instrument
- Pro-Mag™ Ultra ST Biopsy Needles
- Pro-Mag™ Ultra 2.2 Automatic Biopsy Instrument
- ACN™ Biopsy Needles
- UltraCore™ Biopsy Needles
- MaxiCell™ Biopsy Needles
- Fine Needle Aspiration (FNA) Biopsy Needles
- Techna-Cut™ Biopsy Needles



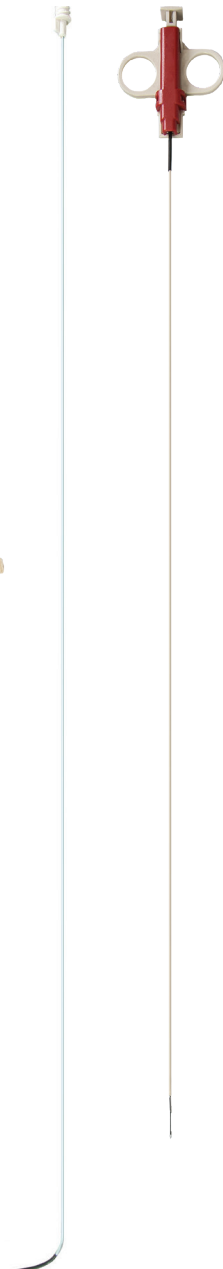
# Soft Tissue Biopsy



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



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



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



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

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

## TLAB® Transjugular Liver Biopsy System

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

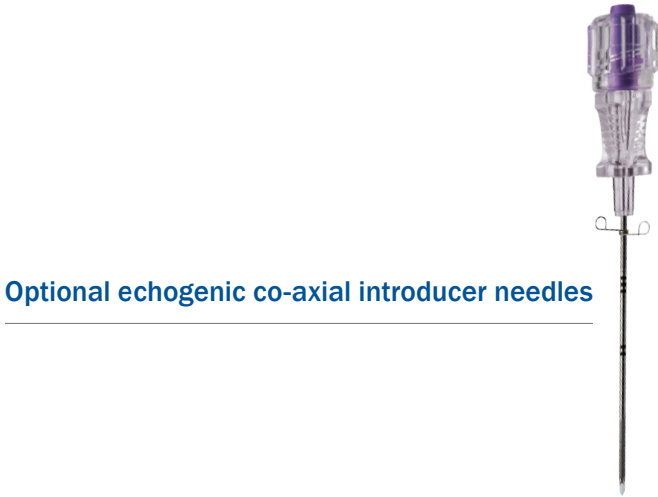
| TLAB Kit Contents (Box of 5) |               |       |                             |                   |                 |       |
|------------------------------|---------------|-------|-----------------------------|-------------------|-----------------|-------|
|                              | CATALOGUE NO. | GAUGE | SHEATH WITH METAL STIFFENER | STRAIGHT CATHETER | CURVED CATHETER | SWABS |
| 18G                          | TL-18N        | 18G   | 7F, 60cm                    | -                 | -               | 4     |
|                              | TL-18S        | 18G   | 7F, 60cm                    | 5F, 65cm          | -               | 4     |
|                              | TL-18C        | 18G   | 7F, 60cm                    | 5F, 65cm          | 5F, 80cm        | 4     |
| 19G                          | TL-19N        | 19G   | 7F, 60cm                    | -                 | -               | 4     |
|                              | TL-19S        | 19G   | 7F, 60cm                    | 5F, 65cm          | -               | 4     |
|                              | TL-19         | 19G   | 7F, 60cm                    | 5F, 65cm          | 5F, 80cm        | 4     |

## BioPince® Ultra Full Core Biopsy Instrument

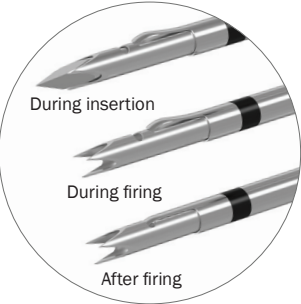
| BioPince Ultra Full Core Biopsy Device (Box of 5) |               |                |                           |
|---------------------------------------------------|---------------|----------------|---------------------------|
|                                                   | CATALOGUE NO. | GAUGE x LENGTH | CO-AXIAL (Optional)       |
| 16G                                               | 370-1080-02   | 16G x 10cm     | MCXS1610BP or MCXS1610BPU |
|                                                   | 370-1580-02   | 16G x 15cm     | MCXS1615BP or MCXS1615BPU |
| 18G                                               | 360-1080-02   | 18G x 10cm     | MCXS1810BP or MCXS1810BPU |
|                                                   | 360-1580-02   | 18G x 15cm     | MCXS1815BP or MCXS1815BPU |
|                                                   | 360-2080-02   | 18G x 20cm     | MCXS1820BP or MCXS1820BPU |

| BioPince Ultra Full Core Biopsy Device with Co-axial Introducer Needle (Box of 5) |               |                |                 |
|-----------------------------------------------------------------------------------|---------------|----------------|-----------------|
|                                                                                   | CATALOGUE NO. | GAUGE x LENGTH | CO-AXIAL NEEDLE |
| 16G                                                                               | 370-1080-03   | 16G x 10cm     | 14G x 6.8cm     |
|                                                                                   | 370-1580-03   | 16G x 15cm     | 14G x 11.8cm    |
| 18G                                                                               | 360-1080-03   | 18G x 10cm     | 17G x 6.8cm     |
|                                                                                   | 360-1580-03   | 18G x 15cm     | 17G x 11.8cm    |
|                                                                                   | 360-2080-03   | 18G x 20cm     | 17G x 16.8cm    |

| Echogenic Co-axial Introducer Needles (Sold Separately) (Box of 5) |               |                |                   |
|--------------------------------------------------------------------|---------------|----------------|-------------------|
|                                                                    | CATALOGUE NO. | GAUGE x LENGTH | COMPATIBLE DEVICE |
| 14G                                                                | MCXS1610BPU   | 14G x 6.8cm    | 370-1080-02       |
|                                                                    | MCXS1615BPU   | 14G x 11.8cm   | 370-1580-02       |
| 15G                                                                | MCXS1610BP    | 15G x 6.8cm    | 370-1080-02       |
|                                                                    | MCXS1615BP    | 15G x 11.8cm   | 370-1580-02       |
| 16G                                                                | MCXS1810BPU   | 16G x 6.8cm    | 360-1080-02       |
|                                                                    | MCXS1815BPU   | 16G x 11.8cm   | 360-1580-02       |
|                                                                    | MCXS1820BPU   | 16G x 16.8cm   | 360-2080-02       |
| 17G                                                                | MCXS1810BP    | 17G x 6.8cm    | 360-1080-02       |
|                                                                    | MCXS1815BP    | 17G x 11.8cm   | 360-1580-02       |
|                                                                    | MCXS1820BP    | 17G x 16.8cm   | 360-2080-02       |



Optional echogenic co-axial introducer needles



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

During insertion  
During firing  
After firing



**Centimetre markings** provide reference for placement depth



**Safety switch** locks the device until ready to use (opposite side of device)



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

**Throw length adjuster** adapts to the lesion size



**Forward trigger** for flexibility in approach



**Green 'ready' indicator**



**Cocking lever**



**Rear trigger**

# Soft Tissue Biopsy

## BioPince® Full Core Biopsy Instrument

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

| BioPince Full Core Biopsy Instrument (Box of 5) |               |                |                           |
|-------------------------------------------------|---------------|----------------|---------------------------|
|                                                 | CATALOGUE NO. | GAUGE x LENGTH | CO-AXIAL (Optional)       |
| 16G                                             | 370-1080-01   | 16G x 10cm     | MCXS1610BP or MCXS1610BPU |
|                                                 | 370-1580-01   | 16G x 15cm     | MCXS1615BP or MCXS1615BPU |
| 18G                                             | 360-1080-01   | 18G x 10cm     | MCXS1810BP or MCXS1810BPU |
|                                                 | 360-1580-01   | 18G x 15cm     | MCXS1815BP or MCXS1815BPU |
|                                                 | 360-2080-01   | 18G x 20cm     | MCXS1820BP or MCXS1820BPU |

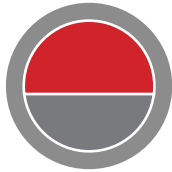
| Echogenic Co-axial Introducer Needles (sold separately) (Box of 5) |               |                |                   |
|--------------------------------------------------------------------|---------------|----------------|-------------------|
|                                                                    | CATALOGUE NO. | GAUGE x LENGTH | COMPATIBLE DEVICE |
| 14G                                                                | MCXS1610BPU   | 14G x 6.8cm    | 370-1080-01       |
|                                                                    | MCXS1615BPU   | 14G x 11.8cm   | 370-1080-01       |
| 15G                                                                | MCXS1610BP    | 15G x 6.8cm    | 370-1080-01       |
|                                                                    | MCXS1615BP    | 15G x 11.8cm   | 370-1580-01       |
| 16G                                                                | MCXS1810BPU   | 16G x 6.8cm    | 360-1080-01       |
|                                                                    | MCXS1815BPU   | 16G x 11.8cm   | 360-1580-01       |
|                                                                    | MCXS1820BPU   | 16G x 16.8cm   | 360-2080-01       |
| 17G                                                                | MCXS1810BP    | 17G x 6.8cm    | 360-1080-01       |
|                                                                    | MCXS1815BP    | 17G x 11.8cm   | 360-1580-01       |
|                                                                    | MCXS1820BP    | 17G x 16.8cm   | 360-2080-01       |

### Up to 58% more tissue volume

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



BioPince Full Core Biopsy Instrument



Conventional side-notch biopsy instrument

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

Numerically ordered centimetre markings provide reference for depth placement

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

Colour-coded trigger for gauge identification

Safety button allows locking the device until ready to use

Ready to fire indicator

Easy specimen retrieval expels sample when device is re-cocked

Variable throw lengths enhance clinical flexibility

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

## Tru-Core™ II Automatic Biopsy Instrument

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

| Tru-Core II Automatic Biopsy Instrument (Box of 10) |               |                |                     |
|-----------------------------------------------------|---------------|----------------|---------------------|
|                                                     | CATALOGUE NO. | GAUGE x LENGTH | CO-AXIAL (Optional) |
| 14G                                                 | 763114100X    | 14G x 10cm     | MCXS1410TX          |
|                                                     | 763114160X    | 14G x 16cm     | MCXS1416TX          |
|                                                     | 763114200X    | 14G x 20cm     |                     |
| 16G                                                 | 763116100X    | 16G x 10cm     | MCXS1610TX          |
|                                                     | 763116160X    | 16G x 16cm     | MCXS1616TX          |
|                                                     | 763116200X    | 16G x 20cm     |                     |
| 18G                                                 | 763118100X    | 18G x 10cm     | MCXS1810TX          |
|                                                     | 763118160X    | 18G x 16cm     | MCXS1816TX          |
|                                                     | 763118200X    | 18G x 20cm     | MCXS1820TX          |
| 20G                                                 | 763120100X    | 20G x 10cm     | MCXS2010TY          |
|                                                     | 763120160X    | 20G x 16cm     | MCXS2016TY          |
|                                                     | 763120200X    | 20G x 20cm     |                     |

| Echogenic Co-axial Introducer Needles (Sold Separately) (Box of 10) |               |                |                     |
|---------------------------------------------------------------------|---------------|----------------|---------------------|
|                                                                     | CATALOGUE NO. | GAUGE x LENGTH | CO-AXIAL (Optional) |
| 13G                                                                 | MCXS1410TX    | 13G x 5.1cm    | 763114100X          |
|                                                                     | MCXS1416TX    | 13G x 11.1cm   | 763114160X          |
| 15G                                                                 | MCXS1610TX    | 15G x 5.1cm    | 763116100X          |
|                                                                     | MCXS1616TX    | 15G x 11.1cm   | 763116160X          |
| 17G                                                                 | MCXS1810TX    | 17G x 5.1cm    | 763118100X          |
|                                                                     | MCXS1816TX    | 17G x 11.1cm   | 763118160X          |
|                                                                     | MCXS1820TX    | 17G x 15.1cm   | 763118200X          |
| 19G                                                                 | MCXS2010TY    | 19G x 5.4cm    | 763120100X          |
|                                                                     | MCXS2016TY    | 19G x 11.4cm   | 763120160X          |

| Tru-Core II URO Automatic Biopsy Instrument (Box of 10) |               |                |
|---------------------------------------------------------|---------------|----------------|
|                                                         | CATALOGUE NO. | GAUGE x LENGTH |
| 18G                                                     | 763418200X    | 18G x 20cm     |
|                                                         | 763418250X    | 18G x 25cm     |

Echogenic tip for visualisation under ultrasound guidance

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

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

Optional echogenic co-axial introducer needles



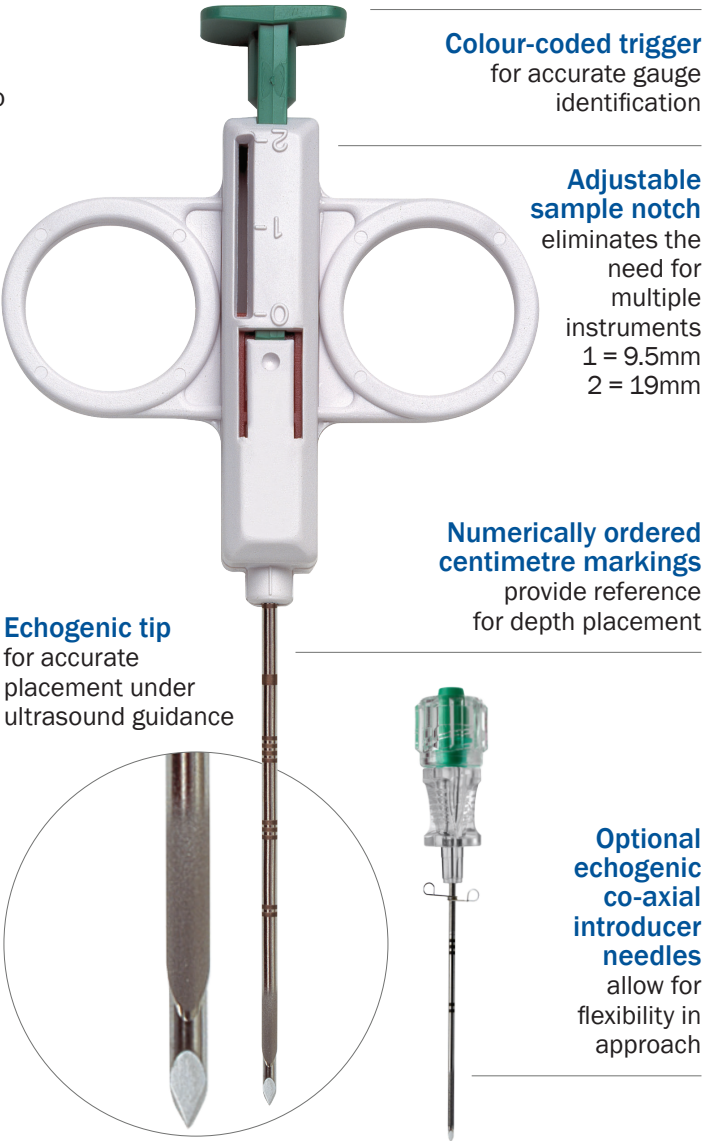
# Soft Tissue Biopsy

## SuperCore™ Semi-Automatic Biopsy Instrument

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

| SuperCoreSemi-Automatic Biopsy Instrument (Box of 10) |               |                |                     |
|-------------------------------------------------------|---------------|----------------|---------------------|
|                                                       | CATALOGUE NO. | GAUGE x LENGTH | CO-AXIAL (Optional) |
| 14G                                                   | 701114060     | 14G x 6cm      |                     |
|                                                       | 701114090     | 14G x 9cm      | MCXS1409LX          |
|                                                       | 701114150     | 14G x 15cm     | MCXS1415LX          |
|                                                       | 701114200     | 14G x 20cm     | MCXS1420LX          |
| 16G                                                   | 701116060     | 16G x 6cm      |                     |
|                                                       | 701116090     | 16G x 9cm      | MCXS1609LX          |
|                                                       | 701116150     | 16G x 15cm     | MCXS1615LX          |
|                                                       | 701116200     | 16G x 20cm     | MCXS1620LX          |
| 18G                                                   | 701118060     | 18G x 6cm      |                     |
|                                                       | 701118090     | 18G x 9cm      | MCXS1809LX          |
|                                                       | 701118150     | 18G x 15cm     | MCXS1815LX          |
|                                                       | 701118200     | 18G x 20cm     | MCXS1820LX          |
| 20G                                                   | 701120060     | 20G x 6cm      |                     |
|                                                       | 701120090     | 20G x 9cm      | MCXS2009LY          |
|                                                       | 701120150     | 20G x 15cm     | MCXS2015LY          |
|                                                       | 701120200     | 20G x 20cm     | MCXS2020LY          |

| SuperCoreSemi-Automatic Biopsy Instrument packaged with Echogenic Co-axial Introducer Needle (Box of 10) |               |                |              |
|----------------------------------------------------------------------------------------------------------|---------------|----------------|--------------|
|                                                                                                          | CATALOGUE NO. | GAUGE x LENGTH | CO-AXIAL     |
| 14G                                                                                                      | 701214090     | 14G x 9cm      | 13G x 3.9cm  |
|                                                                                                          | 701214150     | 14G x 15cm     | 13G x 9.9cm  |
|                                                                                                          | 701214200     | 14G x 20cm     | 13G x 14.9cm |
| 16G                                                                                                      | 701216090     | 16G x 9cm      | 15G x 3.9cm  |
|                                                                                                          | 701216150     | 16G x 15cm     | 15G x 9.9cm  |
|                                                                                                          | 701216200     | 16G x 20cm     | 15G x 14.9cm |
| 18G                                                                                                      | 701218090     | 18G x 9cm      | 17G x 3.9cm  |
|                                                                                                          | 701218150     | 18G x 15cm     | 17G x 9.9cm  |
|                                                                                                          | 701218200     | 18G x 20cm     | 17G x 14.9cm |
| 20G                                                                                                      | 701220090     | 20G x 9cm      | 19G x 4.2cm  |
|                                                                                                          | 701220150     | 20G x 15cm     | 19G x 10.2cm |
|                                                                                                          | 701220200     | 20G x 20cm     | 19G x 15.2cm |



| Echogenic Co-axial Introducer Needles (Sold Separately) (Box of 10) |               |                |                   |
|---------------------------------------------------------------------|---------------|----------------|-------------------|
|                                                                     | CATALOGUE NO. | GAUGE x LENGTH | COMPATIBLE DEVICE |
| 13G                                                                 | MCXS1409LX    | 13G x 3.9cm    | 701114090         |
|                                                                     | MCXS1415LX    | 13G x 9.9cm    | 701114150         |
|                                                                     | MCXS1420LX    | 13G x 14.9cm   | 701114200         |
| 15G                                                                 | MCXS1609LX    | 15G x 3.9cm    | 701116090         |
|                                                                     | MCXS1615LX    | 15G x 9.9cm    | 701116150         |
|                                                                     | MCXS1620LX    | 15G x 14.9cm   | 701116200         |
| 17G                                                                 | MCXS1809LX    | 17G x 3.9cm    | 701118090         |
|                                                                     | MCXS1815LX    | 17G x 9.9cm    | 701118150         |
|                                                                     | MCXS1820LX    | 17G x 14.9cm   | 701118200         |
| 19G                                                                 | MCXS2009LY    | 19G x 4.2cm    | 701120090         |
|                                                                     | MCXS2015LY    | 19G x 10.2cm   | 701120150         |
|                                                                     | MCXS2020LY    | 19G x 15.2cm   | 701120200         |

## Pro-Mag™ Ultra Automatic Biopsy Instrument

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

| Pro-Mag Ultra Automatic Biopsy Instrument (Box of 1) |                                           |
|------------------------------------------------------|-------------------------------------------|
| CATALOGUE NO.                                        | DESCRIPTION                               |
| 7675                                                 | Pro-Mag Ultra Automatic Biopsy Instrument |

**25mm throw**  
collects diagnostically adequate specimens

**Forward trigger**  
for flexibility in approach

**Rear Trigger**



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

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

# Soft Tissue Biopsy

## Pro-Mag™ Ultra Biopsy Needles

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

| Pro-Mag Ultra Echogenic Biopsy Needles (Box of 10) |               |                |                     |
|----------------------------------------------------|---------------|----------------|---------------------|
|                                                    | CATALOGUE NO. | GAUGE x LENGTH | CO-AXIAL (Optional) |
| 14G                                                | 765014100     | 14G x 10cm     | MCXS1410AX          |
|                                                    | 765014120     | 14G x 12cm     |                     |
|                                                    | 765014160     | 14G x 16cm     | MCXS1416AX          |
|                                                    | 765014200     | 14G x 20cm     |                     |
| 16G                                                | 765016100     | 16G x 10cm     | MCXS1610AX          |
|                                                    | 765016160     | 16G x 16cm     | MCXS1616AX          |
|                                                    | 765016200     | 16G x 20cm     |                     |
|                                                    | 765016250     | 16G x 25cm     |                     |
| 18G                                                | 765018100     | 18G x 10cm     | MCXS1810AX          |
|                                                    | 765018160     | 18G x 16cm     | MCXS1816AX          |
|                                                    | 765018200     | 18G x 20cm     | MCXS1820AX          |
|                                                    | 765018250     | 18G x 25cm     |                     |
|                                                    | 765018300     | 18G x 30cm     |                     |
| 20G                                                | 765020100     | 20G x 10cm     | MCXS2010AY          |
|                                                    | 765020160     | 20G x 16cm     | MCXS2016AY          |
|                                                    | 765020200     | 20G x 20cm     | MCXS2016AY          |

| Echogenic Co-axial Introducer Needles (sold separately) (Box of 10) |               |                |                   |
|---------------------------------------------------------------------|---------------|----------------|-------------------|
|                                                                     | CATALOGUE NO. | GAUGE x LENGTH | COMPATIBLE DEVICE |
| 13G                                                                 | MCXS1410AX    | 13G x 4.6cm    | 765014100         |
|                                                                     | MCXS1416AX    | 13G x 10.6cm   | 765014160         |
| 15G                                                                 | MCXS1610AX    | 15G x 4.6cm    | 765016100         |
|                                                                     | MCXS1616AX    | 15G x 10.6cm   | 765016160         |
| 17G                                                                 | MCXS1810AX    | 17G x 4.6cm    | 765018100         |
|                                                                     | MCXS1816AX    | 17G x 10.6cm   | 765018160         |
|                                                                     | MCXS1820AX    | 17G x 14.6cm   | 765018200         |
| 19G                                                                 | MCXS2010AY    | 19G x 4.9cm    | 765020100         |
|                                                                     | MCXS2016AY    | 19G x 10.9cm   | 765020160         |

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



Echogenic tip for accurate placement under ultrasound guidance

19mm sample notch ensures sufficient tissue for clinical diagnosis

Hubs are colour-coded for easy gauge size identification

Numerically ordered centimetre markings provide reference for depth placement

## Pro-Mag™ Ultra ST Automatic Biopsy Instrument

Pro-Mag Ultra ST (Short Throw) Automatic Biopsy Instrument is designed to harvest high quality histological specimens. May be sterilised using conventional methods.

| Pro-Mag Ultra ST Automatic Biopsy Instrument (Box of 1) |                                              |
|---------------------------------------------------------|----------------------------------------------|
| CATALOGUE NO.                                           | DESCRIPTION                                  |
| 7676                                                    | Pro-Mag Ultra ST Automatic Biopsy Instrument |

14mm throw advancement



Easy specimen retrieval without removing the needle from the instrument

Built-in safety activates upon cocking to prevent accidental firing

Rear Trigger Trigger is easily actuated (fired) from the front or rear of the instrument

## Pro-Mag™ Ultra “Short Throw” Biopsy Needles

Specially designed for use with Pro-Mag Ultra ST Automatic Biopsy Instrument. High quality core biopsy needles provide histological specimens for diagnosis of suspect lesions. A 9 mm sample notch ensures sufficient tissue for clinical diagnosis. Unique, patented hub design obsoletes needle “spacers”. Centimetre markings provide reference for accurate depth placement. Each needle has an echogenic tip for accurate placement under ultrasound guidance. Hubs are colour-coded for easy gauge size determination. Optimal co-axial introducer needles available.

| Pro-Mag Ultra “Short Throw” Echogenic Biopsy Needles (Box of 10) |                                                 |
|------------------------------------------------------------------|-------------------------------------------------|
| CATALOGUE NO.                                                    | DESCRIPTION                                     |
| 765114080                                                        | 14G x 8cm, optional co-axial needle MCXS1408SX  |
| 765114120                                                        | 14G x 12cm, optional co-axial needle MCXS1412SX |
| 765114160                                                        | 14G x 16cm                                      |
| 765116080                                                        | 16G x 8cm, optional co-axial needle MCXS1608SX  |
| 765116120                                                        | 16G x 12cm, optional co-axial needle MCXS1612SX |
| 765116160                                                        | 16G x 16cm, optional co-axial needle MCXS1616SX |
| 765118080                                                        | 18G x 8cm, optional co-axial needle MCXS1808SX  |
| 765118120                                                        | 18G x 12cm, optional co-axial needle MCXS1812SX |
| 765118160                                                        | 18G x 16cm, optional co-axial needle MCXS1816SX |
| 765120080                                                        | 20G x 8cm, optional co-axial needle MCXS2008SY  |
| 765120120                                                        | 20G x 12cm, optional co-axial needle MCXS2012SY |
| 765120160                                                        | 20G x 16cm, optional co-axial needle MCXS2016SY |

| Optional Echogenic Co-axial Introducer Needles (Box of 10) |                                     |
|------------------------------------------------------------|-------------------------------------|
| CATALOGUE NO.                                              | DESCRIPTION                         |
| MCXS1408SX                                                 | 13G x 3.5cm, co-axial to 765114080  |
| MCXS1412SX                                                 | 13G x 7.5cm, co-axial to 765114120  |
| MCXS1608SX                                                 | 15G x 3.5cm, co-axial to 765116080  |
| MCXS1612SX                                                 | 15G x 7.5cm, co-axial to 765116120  |
| MCXS1616SX                                                 | 15G x 11.5cm, co-axial to 765116160 |
| MCXS1808SX                                                 | 17G x 3.5cm, co-axial to 765118080  |
| MCXS1812SX                                                 | 17G x 7.5cm, co-axial to 765118120  |
| MCXS1816SX                                                 | 17G x 11.5cm, co-axial to 765118160 |
| MCXS2008SY                                                 | 19G x 3.8cm, co-axial to 765120080  |
| MCXS2012SY                                                 | 19G x 7.8cm, co-axial to 765120120  |
| MCXS2016SY                                                 | 19G x 11.8cm, co-axial to 765120160 |

## Pro-Mag™ Ultra 2.2 Automatic Biopsy Instrument

Pro-Mag Ultra 2.2 Automatic Biopsy Instrument is a reusable device that utilises disposable needles to harvest high quality histological specimens. May be sterilised using conventional methods.

| Pro-Mag Ultra 2.2 Automatic Biopsy Instrument (Box of 1) |                                               |
|----------------------------------------------------------|-----------------------------------------------|
| CATALOGUE NO.                                            | DESCRIPTION                                   |
| 7677                                                     | Pro-Mag Ultra 2.2 Automatic Biopsy Instrument |



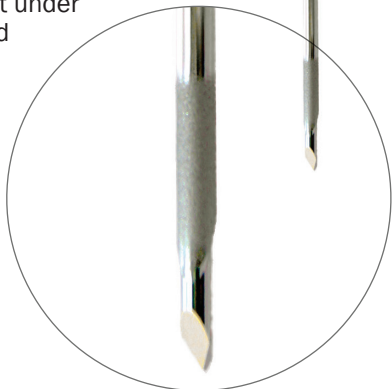
Hubs are colour-coded for easy gauge size identification



Numerically ordered centimetre markings provide reference for depth placement

17mm sample notch ensures sufficient tissue for clinical diagnosis

Echogenic tip for accurate placement under ultrasound guidance



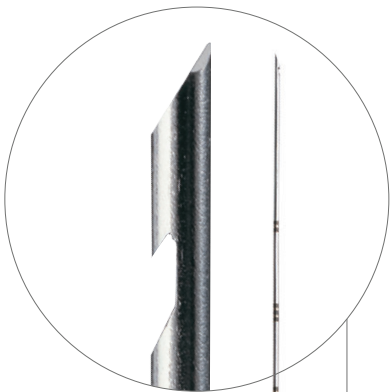
ACN™ Biopsy Needles

The ACN Biopsy Needle is to be used in conjunction with the Pro-Mag2.2 Automatic Biopsy Instrument or other compatible, commercially available biopsy instruments. High-quality core biopsy needles provide histological specimens for diagnosis of suspect lesions.

| ACN Biopsy Needles (Box of 10) For use with the Pro-Mag2.2 Automatic Biopsy Instrument |               |                |                     |
|----------------------------------------------------------------------------------------|---------------|----------------|---------------------|
|                                                                                        | CATALOGUE NO. | GAUGE x LENGTH | CO-AXIAL (Optional) |
| 14G                                                                                    | ACN1410MF     | 14G x 10cm     | MCXS1410AX          |
|                                                                                        | ACN1412MF     | 14G x 12cm     | MCXS1412AX          |
|                                                                                        | ACN1416MF     | 14G x 16cm     | MCXS1416AX          |
|                                                                                        | ACN1420MF     | 14G x 20cm     | MCXS1420AX          |
| 16G                                                                                    | ACN1610MF     | 16G x 10cm     | MCXS1610AX          |
|                                                                                        | ACN1616MF     | 16G x 16cm     | MCXS1616AX          |
|                                                                                        | ACN1620MF     | 16G x 20cm     |                     |
|                                                                                        | ACN1625MF     | 16G x 25cm     |                     |
| 18G                                                                                    | ACN1810MF     | 18G x 10cm     | MCXS1810AX          |
|                                                                                        | ACN1816MF     | 18G x 16cm     | MCXS1816AX          |
|                                                                                        | ACN1820MF     | 18G x 20cm     | MCXS1820AX          |
|                                                                                        | ACN1825MF     | 18G x 25cm     |                     |
| 20G                                                                                    | ACN1830MF     | 18G x 30cm     |                     |
|                                                                                        | ACN2010MF     | 20G x 10cm     | MCXS2010AY          |
|                                                                                        | ACN2016MF     | 20G x 16cm     | MCXS2016AY          |
|                                                                                        | ACN2020MF     | 20G x 20cm     | MCXS2020AY          |

| Echogenic Co-axial Introducer Needles (Sold Separately) (Box of 10) |               |                |                   |
|---------------------------------------------------------------------|---------------|----------------|-------------------|
|                                                                     | CATALOGUE NO. | GAUGE x LENGTH | COMPATIBLE DEVICE |
| 13G                                                                 | MCXS1410AX    | 13G x 4.6cm    | ACN1410MF         |
|                                                                     | MCXS1416AX    | 13G x 10.6cm   | ACN1416MF         |
| 15G                                                                 | MCXS1610AX    | 15G x 4.6cm    | ACN1610MF         |
|                                                                     | MCXS1616AX    | 15G x 10.6cm   | ACN1616MF         |
| 17G                                                                 | MCXS1810AX    | 17G x 4.6cm    | ACN1810MF         |
|                                                                     | MCXS1816AX    | 17G x 10.6cm   | ACN1816MF         |
|                                                                     | MCXS1820AX    | 17G x 14.6cm   | ACN1820MF         |
| 19G                                                                 | MCXS2010AY    | 19G x 4.9cm    | ACN2010MF         |
|                                                                     | MCXS2016AY    | 19G x 10.9cm   | ACN2016MF         |

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



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

MaxiCELL® Biopsy Needles

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

| MaxiCELL Biopsy Needles (Box of 10) |               |                |               |                                 |
|-------------------------------------|---------------|----------------|---------------|---------------------------------|
|                                     | CATALOGUE NO. | GAUGE x LENGTH | ECHOGENIC TIP | CO-AXIAL (INCLUDED)             |
| 22G                                 | MMC2202       | 22G x 5cm      | No            |                                 |
|                                     | MMC2203       | 22G x 9cm      | No            |                                 |
|                                     | MMC2206       | 22G x 15cm     | No            |                                 |
|                                     | MMC2202US     | 22G x 5cm      | Yes           |                                 |
|                                     | MMC2203US     | 22G x 9cm      | Yes           |                                 |
|                                     | MMC2206US     | 22G x 15cm     | Yes           |                                 |
|                                     | MMCI2203US    | 22G x 9cm      | No            | 19G x 5cm with echogenic tip    |
|                                     | MMCI2206US    | 22G x 15cm     | No            | 19G x 11.4cm with echogenic tip |

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

Numerically ordered centimetre markings provide reference for depth placement

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



# Soft Tissue Biopsy

## UltraCore™ Biopsy Needles

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

| UltraCore Biopsy Needles (Box of 10) |               |                |                     |
|--------------------------------------|---------------|----------------|---------------------|
|                                      | CATALOGUE NO. | GAUGE x LENGTH | CO-AXIAL (Optional) |
| 14G                                  | 762614100     | 14G x 10cm     | MCXS1410MX          |
|                                      | 762614130     | 14G x 13cm     |                     |
|                                      | 762614160     | 14G x 16cm     | MCXS1416MX          |
|                                      | 762614200     | 14G x 20cm     |                     |
| 16G                                  | 762616100     | 16G x 10cm     | MCXS1610MX          |
|                                      | 762616160     | 16G x 16cm     | MCXS1616MX          |
|                                      | 762616200     | 16G x 20cm     |                     |
| 18G                                  | 762618100     | 18G x 10cm     | MCXS1810MX          |
|                                      | 762618130     | 18G x 13cm     |                     |
|                                      | 762618160     | 18G x 16cm     | MCXS1816MX          |
|                                      | 762618200     | 18G x 20cm     | MCXS1820MX          |
|                                      | 762618250     | 18G x 25cm     |                     |
| 20G                                  | 762618300     | 18G x 30cm     |                     |
|                                      | 762620100     | 20G x 10cm     | MCXS2010MY          |
|                                      | 762620130     | 20G x 13cm     |                     |
|                                      | 762620160     | 20G x 16cm     | MCXS2016MY          |
|                                      | 762620200     | 20G x 20cm     |                     |

| Echogenic Co-axial Introducer Needles (Sold Separately) (Box of 10) |               |                |                   |
|---------------------------------------------------------------------|---------------|----------------|-------------------|
|                                                                     | CATALOGUE NO. | GAUGE x LENGTH | COMPATIBLE DEVICE |
| 13G                                                                 | MCXS1410MX    | 13G x 4.3cm    | 762614100         |
|                                                                     | MCXS1416MX    | 13G x 10.3cm   | 762614160         |
| 15G                                                                 | MCXS1610MX    | 15G x 4.3cm    | 762616100         |
|                                                                     | MCXS1616MX    | 15G x 10.3cm   | 762616160         |
| 17G                                                                 | MCXS1810MX    | 17G x 4.3cm    | 762618100         |
|                                                                     | MCXS1816MX    | 17G x 10.3cm   | 762618160         |
|                                                                     | MCXS1820MX    | 17G x 14.3cm   | 762618200         |
| 19G                                                                 | MCXS2010MY    | 19G x 4.6cm    | 762620100         |
|                                                                     | MCXS2016MY    | 19G x 10.6cm   | 762620160         |

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



19mm sample notch ensures sufficient tissue for clinical diagnosis

Unique hub design obsoletes needle spacers

Hubs are colour-coded for easy gauge size identification

Numerically ordered centimetre markings provide reference for depth placement

19mm sample notch ensures sufficient tissue for clinical diagnosis

## Fine Needle Aspiration (FNA) Biopsy Needles

Our traditional FNA biopsy needles aspirate for cytological evaluations.

| CHIBA Biopsy Needles (Box of 10) |               |                |               |
|----------------------------------|---------------|----------------|---------------|
|                                  | CATALOGUE NO. | GAUGE x LENGTH | ECHOGENIC TIP |
| 18G                              | MCN1803       | 18G x 9cm      | No            |
|                                  | MCN1803US     | 18G x 9cm      | Yes           |
|                                  | MCN1806       | 18G x 15cm     | No            |
|                                  | MCN1806US     | 18G x 15cm     | Yes           |
|                                  | MCN1808       | 18G x 20cm     | No            |
|                                  | MCN1808US     | 18G x 20cm     | Yes           |
| 20G                              | MCN2003       | 20G x 9cm      | No            |
|                                  | MCN2003US     | 20G x 9cm      | Yes           |
|                                  | MCN2006       | 20G x 15cm     | No            |
|                                  | MCN2006US     | 20G x 15cm     | Yes           |
|                                  | MCN2008       | 20G x 20cm     | No            |
|                                  | MCN2008US     | 20G x 20cm     | Yes           |
| 22G                              | MCN2203       | 22G x 9cm      | No            |
|                                  | MCN2203US     | 22G x 9cm      | Yes           |
|                                  | MCN2206       | 22G x 15cm     | No            |
|                                  | MCN2206US     | 22G x 15cm     | Yes           |
|                                  | MCN2208       | 22G x 20cm     | No            |
|                                  | MCN2208US     | 22G x 20cm     | Yes           |

| WESTCOTT Biopsy Needles (Box of 10) |               |                |               |
|-------------------------------------|---------------|----------------|---------------|
|                                     | CATALOGUE NO. | GAUGE x LENGTH | ECHOGENIC TIP |
| 20G                                 | MWN2003       | 20G x 9cm      | No            |
|                                     | MWN2003US     | 20G x 9cm      | Yes           |
|                                     | MWN2006       | 20G x 15cm     | No            |
|                                     | MWN2006US     | 20G x 15cm     | Yes           |
|                                     | MWN2008       | 20G x 20cm     | No            |
|                                     | MWN2008US     | 20G x 20cm     | Yes           |
| 22G                                 | MWN2203       | 22G x 9cm      | No            |
|                                     | MWN2203US     | 22G x 9cm      | Yes           |
|                                     | MWN2206       | 22G x 15cm     | No            |
|                                     | MWN2206US     | 22G x 15cm     | Yes           |
|                                     | MWN2208       | 22G x 20cm     | No            |
|                                     | MWN2208US     | 22G x 20cm     | Yes           |

| TROCAR Biopsy Needles (Box of 10) |               |                |
|-----------------------------------|---------------|----------------|
|                                   | CATALOGUE NO. | GAUGE x LENGTH |
| 18G                               | MTN1806       | 18G x 15cm     |
|                                   | MTN1808       | 18G x 20cm     |

| SPINAL Biopsy Needles (Box of 10) |               |                |               |
|-----------------------------------|---------------|----------------|---------------|
|                                   | CATALOGUE NO. | GAUGE x LENGTH | ECHOGENIC TIP |
| 18G                               | MSPN1803      | 18G x 9cm      | No            |
|                                   | MSPN1806      | 18G x 15cm     | No            |
| 20G                               | MSPN2003      | 20G x 9cm      | No            |
|                                   | MSPN2003US    | 20G x 9cm      | Yes           |
|                                   | MSPN2006      | 20G x 15cm     | No            |
|                                   | MSPN2006US    | 20G x 15cm     | Yes           |
| 22G                               | MSPN2203      | 22G x 9cm      | No            |
|                                   | MSPN2203US    | 22G x 9cm      | Yes           |
|                                   | MSPN2206      | 22G x 15cm     | No            |
|                                   | MSPN2206US    | 22G x 15cm     | Yes           |
| 23G                               | MSPN2208      | 22G x 20cm     | No            |
|                                   | SPN2302       | 23G x 5cm      | No            |
| 25G                               | SPN2303       | 23G x 9cm      | No            |
|                                   | MSPN2502      | 25G x 4cm      | No            |
|                                   | SPN2502       | 25G x 5cm      | No            |
|                                   | SPN2503       | 25G x 9cm      | No            |

| FRANSEEN Biopsy Needles (Box of 10) |               |                |               |
|-------------------------------------|---------------|----------------|---------------|
|                                     | CATALOGUE NO. | GAUGE x LENGTH | ECHOGENIC TIP |
| 18G                                 | MFN1803       | 18G x 9cm      | No            |
|                                     | MFN1803US     | 18G x 9cm      | Yes           |
|                                     | MFN1806       | 18G x 15cm     | No            |
|                                     | MFN1806US     | 18G x 15cm     | Yes           |
|                                     | MFN1808       | 18G x 20cm     | No            |
|                                     | MFN1808US     | 18G x 20cm     | Yes           |
| 20G                                 | MFN2003       | 20G x 9cm      | No            |
|                                     | MFN2003US     | 20G x 9cm      | Yes           |
|                                     | MFN2006       | 20G x 15cm     | No            |
|                                     | MFN2006US     | 20G x 15cm     | Yes           |
|                                     | MFN2008       | 20G x 20cm     | No            |
|                                     | MFN2008US     | 20G x 20cm     | Yes           |
| 22G                                 | MFN2203       | 22G x 9cm      | No            |
|                                     | MFN2203US     | 22G x 9cm      | Yes           |
|                                     | MFN2206       | 22G x 15cm     | No            |
|                                     | MFN2206US     | 22G x 15cm     | Yes           |
|                                     | MFN2208       | 22G x 20cm     | No            |
|                                     | MFN2208US     | 22G x 20cm     | Yes           |

| GREENE Biopsy Needles (Box of 10) |               |                |                               |
|-----------------------------------|---------------|----------------|-------------------------------|
|                                   | CATALOGUE NO. | GAUGE x LENGTH | CO-AXIAL (INCLUDED)           |
| 22G                               | MGN2206X      | 22G x 15cm     | 19G x 10cm with echogenic tip |



## Techna-Cut™ Biopsy Needles

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

| Techna-Cut Biopsy Needles (Box of 10) |               |                |
|---------------------------------------|---------------|----------------|
|                                       | CATALOGUE NO. | GAUGE x LENGTH |
| 16G                                   | TCBN1607X     | 16G x 7cm      |
|                                       | TCBN1610X     | 16G x 10cm     |
|                                       | TCBN1615X     | 16G x 15cm     |
| 18G                                   | TCBN1807X     | 18G x 7cm      |
|                                       | TCBN1810X     | 18G x 10cm     |
|                                       | TCBN1812X     | 18G x 12cm     |
|                                       | TCBN1815X     | 18G x 15cm     |
| 19G                                   | TCBN1907X     | 19G x 7cm      |
|                                       | TCBN1910X     | 19G x 10cm     |
|                                       | TCBN1915X     | 19G x 15cm     |
| 21G                                   | TCBN2107X     | 21G x 7cm      |
|                                       | TCBN2110X     | 21G x 10cm     |
|                                       | TCBN2115X     | 21G x 15cm     |
| 23G                                   | TCBN2306X     | 23G x 6cm      |

**Precise cutting edge** on the outer cannula contributes to a complete, intact core specimen

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



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

**Unique stylet design with a 10cc Luer locking syringe** provides vacuum for specimen retention in the outer cannula

# Mammography

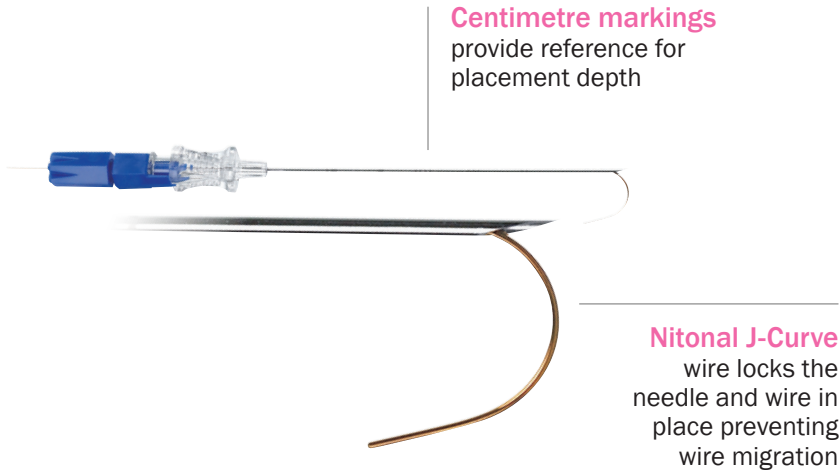
- Repositionable Breast Localisation Needles (BLN)
- Non-Repositionable Breast Localisation Needles (BLN)
- Needle Guides
- Galactography Kits



## Homer BLN

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

| Homer Breast Localisation Needles (Box of 10) |                |        |
|-----------------------------------------------|----------------|--------|
| CATALOGUE NO.                                 | GAUGE x LENGTH | WIRE   |
| 231030G                                       | 20G x 3cm      | 3cm    |
| 231050G                                       | 20G x 5cm      | 11cm   |
| 231075G                                       | 20G x 7.5cm    | 13.5cm |
| 231100G                                       | 20G x 10cm     | 16.1cm |
| 231125G                                       | 20G x 12.5cm   | 18.5cm |

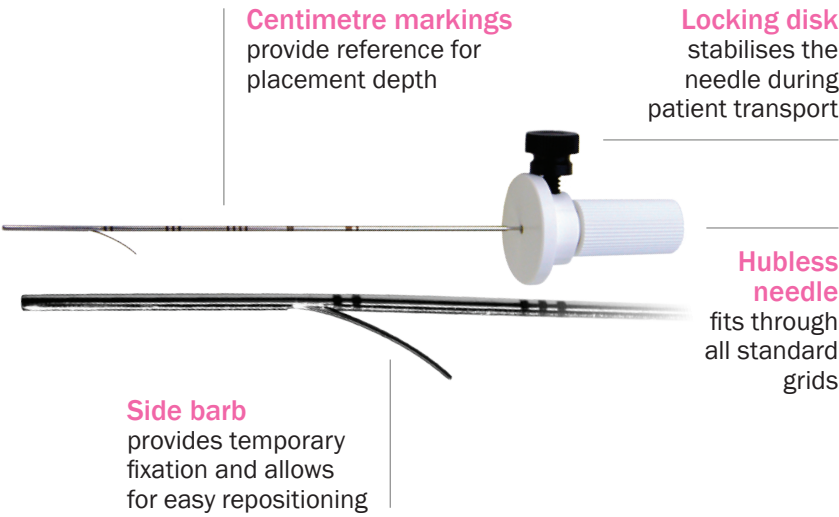


## Hawkins™ I BLN

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

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

| Hawkins I Breast Localisation Needles (Box of 10) |                |        |
|---------------------------------------------------|----------------|--------|
| CATALOGUE NO.                                     | GAUGE x LENGTH | WIRE   |
| 251050                                            | 20G x 3cm      | 7.8cm  |
| 251075                                            | 20G x 7.5cm    | 10.3cm |
| 251100                                            | 20G x 10cm     | 12.8cm |
| 251125                                            | 20G x 12.5cm   | 15.3cm |

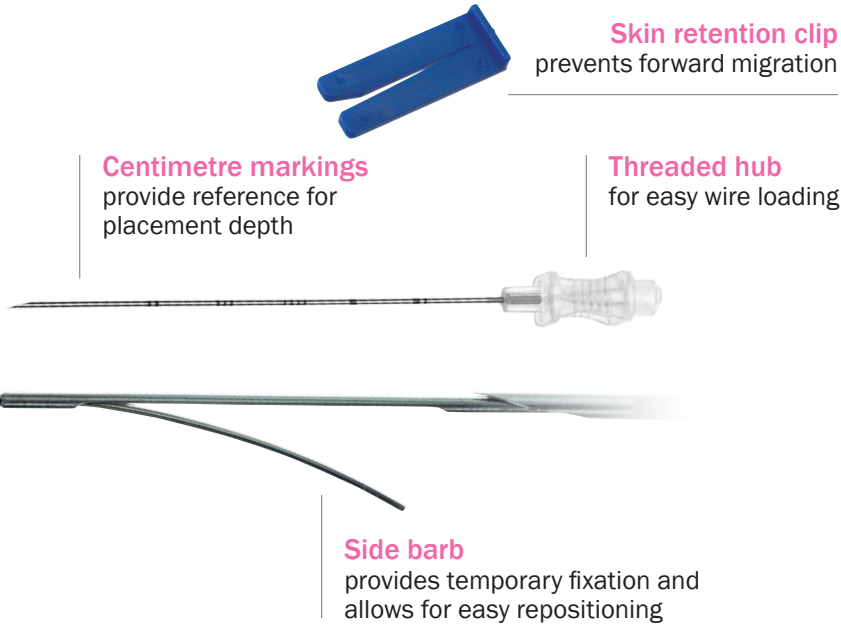


## Hawkins™ II BLN

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

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

| Hawkins II Breast Localisation Needles with FlexStrand (Box of 10) |                |        |
|--------------------------------------------------------------------|----------------|--------|
| CATALOGUE NO.                                                      | GAUGE x LENGTH | WIRE   |
| 252050                                                             | 20G x 5cm      | 14.4cm |
| 252075                                                             | 20G x 7.5cm    | 19.4cm |
| 252100                                                             | 20G x 10cm     | 24.4cm |
| 252125                                                             | 20G x 12.5cm   | 29.4cm |

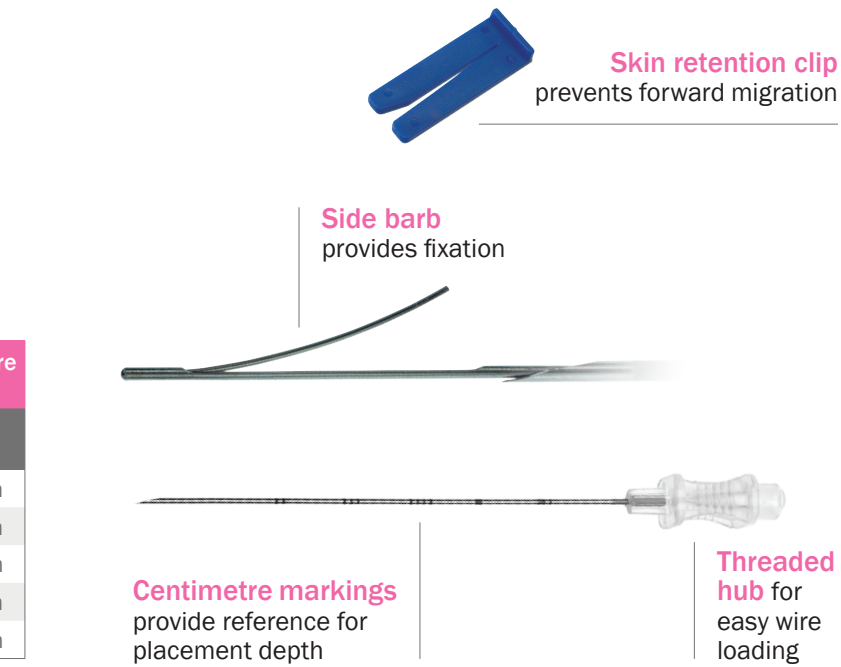


## Hawkins™ III BLN

The Hawkins III BLN is has a barb design to provide strong anchoring strength in the breast.

- Wire is marked in two places: I indicates wire at distal tip of needle; II indicates side barb deployment

| Hawkins III Breast Localisation Needles with FlexStrand (Box of 10) |                |        |
|---------------------------------------------------------------------|----------------|--------|
| CATALOGUE NO.                                                       | GAUGE x LENGTH | WIRE   |
| 253030                                                              | 20G x 3cm      | 10.4cm |
| 253050                                                              | 20G x 5cm      | 14.4cm |
| 253075                                                              | 20G x 7.5cm    | 19.4cm |
| 253100                                                              | 20G x 10cm     | 24.4cm |
| 253125                                                              | 20G x 12.5cm   | 29.4cm |



| Hawkins III Breast Localisation Needles with Hardwire (Box of 10) |                |                 |        |
|-------------------------------------------------------------------|----------------|-----------------|--------|
| CATALOGUE NO.                                                     | GAUGE x LENGTH | W/ECHOGENIC TIP | WIRE   |
| 243030                                                            | 20G x 3cm      | 244030          | 10.4cm |
| 243050                                                            | 20G x 5cm      | 244050          | 14.4cm |
| 243075                                                            | 20G x 7.5cm    | 244075          | 19.4cm |
| 243100                                                            | 20G x 10cm     | 244100          | 24.4cm |
| 243125                                                            | 20G x 12.5cm   | 244125          | 29.4cm |

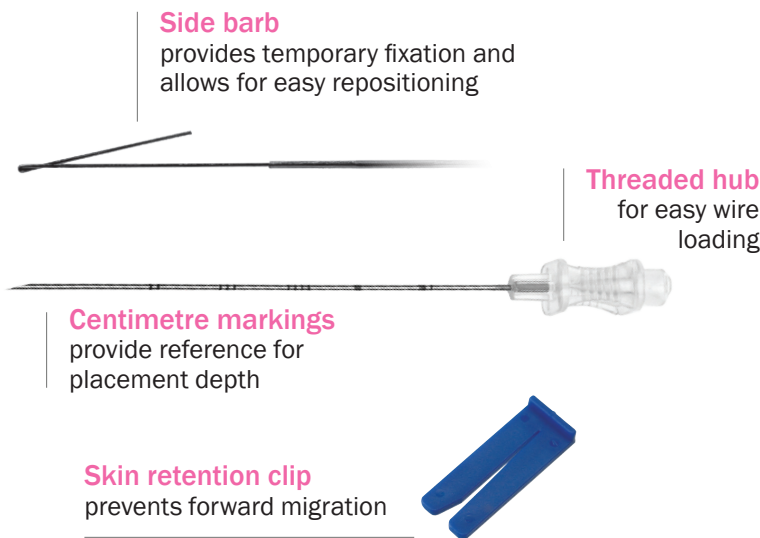
# Mammography

## Accura™ BLN (Kopans Style)

Accura BLN is a traditional, springhook hardwire with stiffener design.

- Wire is marked in two places: I indicates wire at distal tip of needle; II indicates distal barb deployment

| Accura Breast Localisation Needles (Kopans Style) (Box of 10) |                |        |
|---------------------------------------------------------------|----------------|--------|
| CATALOGUE NO.                                                 | GAUGE x LENGTH | WIRE   |
| BLN2003                                                       | 20G x 3cm      | 10.4cm |
| BLN2005                                                       | 20G x 5cm      | 14.4cm |
| BLN20075                                                      | 20G x 7.5cm    | 19.4cm |
| BLN2010                                                       | 20G x 10cm     | 24.4cm |
| BLN2015                                                       | 20G x 15cm     | 28.9cm |
| BLN2103                                                       | 21G x 3cm      | 10.4cm |
| BLN2105                                                       | 21G x 5cm      | 14.4cm |
| BLN21075                                                      | 21G x 7.5cm    | 19.4cm |
| BLN2110                                                       | 21G x 10cm     | 24.4cm |

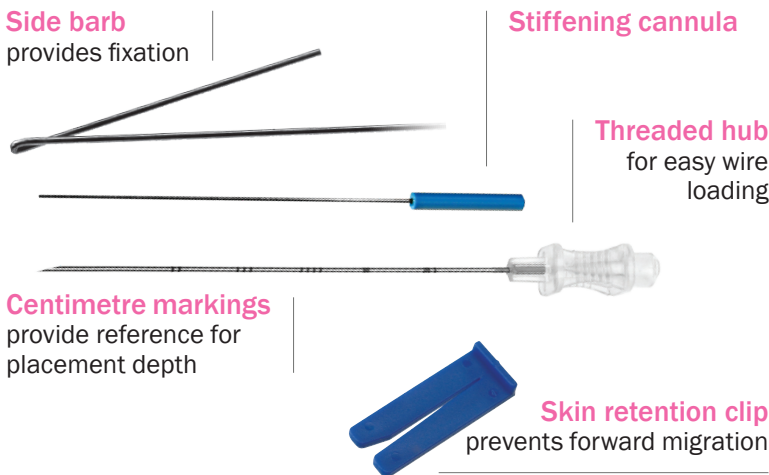


## Accura™ II BLN (Sadowsky™ Style)

Accura II BLN is designed for a preoperative marking of nonpalpable breast lesions.

- Wire is marked in two places: I indicates wire at distal tip of needle; II indicates distal barb deployment

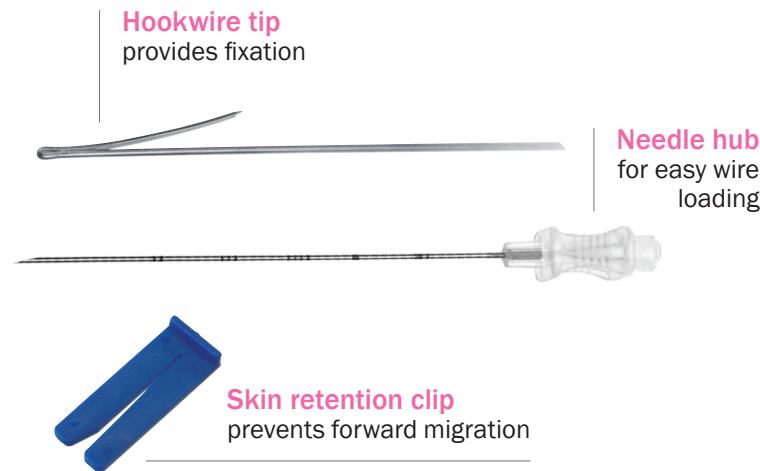
| Accura II Breast Localisation Needles (Sadowsky Style) (Box of 10) |                |                    |        |
|--------------------------------------------------------------------|----------------|--------------------|--------|
| CATALOGUE NO.                                                      | GAUGE x LENGTH | STIFFENING CANNULA | WIRE   |
| 266050                                                             | 20G x 5cm      | 23G                | 14.4cm |
| 266075                                                             | 20G x 7.5cm    | 23G                | 19.4cm |
| 266100                                                             | 20G x 10cm     | 23G                | 24.4cm |
| 266125                                                             | 20G x 12.5cm   | 23G                | 29.4cm |



## D Wire BLN

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

| D Wire Breast Localisation Needles (Box of 10) |                |        |
|------------------------------------------------|----------------|--------|
| CATALOGUE NO.                                  | GAUGE x LENGTH | WIRE   |
| BLND2003                                       | 20G x 3cm      | 13.2cm |
| BLND2005                                       | 20G x 5cm      | 17.2cm |
| BLND20075                                      | 20G x 7.5cm    | 18.3cm |
| BLND2010                                       | 20G x 10cm     | 21.2cm |
| BLND2015                                       | 20G x 15cm     | 28.9cm |



## Needle Guides

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

| Needle Guides for Lorad StereoLoc II (Box of 20) |                |                   |
|--------------------------------------------------|----------------|-------------------|
| CATALOGUE NO.                                    | GAUGE x LENGTH | COMPATIBLE DEVICE |
| LNGC14GX                                         | Closed type    | 14G               |
| LNGC1619PX                                       | Closed type    | 16G to 19G        |
| LNGC2022YX                                       | Closed type    | 20G to 22G        |
| LNGO1619PX                                       | Open type      | 16G to 19G        |
| LNGO2022YX                                       | Open type      | 20G to 22G        |



## Galactography Kits

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

| Galactography Kits (Box of 10) |       |          |
|--------------------------------|-------|----------|
| CATALOGUE NO.                  | GAUGE | CANNULA  |
| DGK002SX                       | 30G   | Straight |
| DGK002X                        | 30G   | Curved   |
| RTD001X                        | 24G   | Curved   |



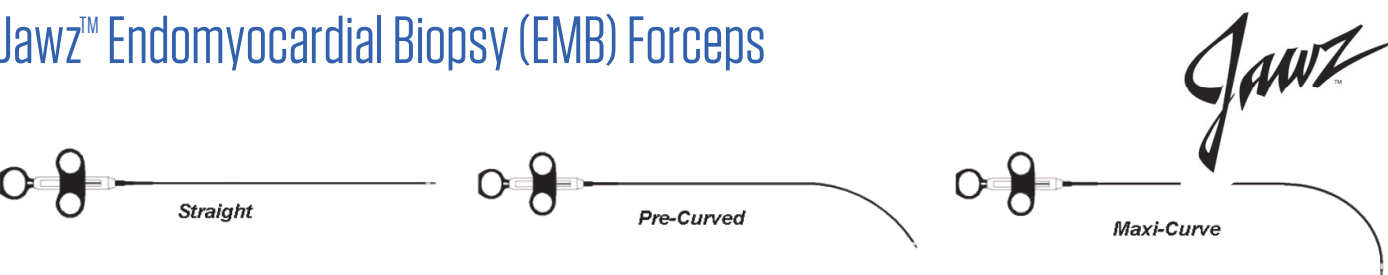
# Endomyocardial Biopsy

- Jawz™ Endomyocardial Biopsy (EMB) Forceps
- Endomyocardial Biopsy Accessories



# Endomyocardial Biopsy

## Jawz™ Endomyocardial Biopsy (EMB) Forceps



| Jawz Endomyocardial Biopsy Forceps (Box of 1) |             |                 |            |        |                         |             |         |              |                 |
|-----------------------------------------------|-------------|-----------------|------------|--------|-------------------------|-------------|---------|--------------|-----------------|
| CATALOGUE NO.                                 | JAW OD (MM) | JAW OD (FRENCH) | JAW VOLUME | LENGTH | RECOMMENDED SHEATH SIZE | CURVE       | COATING | FORMABILITY  | FENESTRATION    |
| 190020                                        | 2.4mm       | 7.5F            | 5.43mm³    | 50cm   | 8F                      | Straight    | None    | Formable     | Non-Fenestrated |
| 190030                                        | 2.4mm       | 7.5F            | 5.43mm³    | 50cm   | 8F                      | Pre-Curved  | FEP     | Formable     | Non-Fenestrated |
| 190031                                        | 2.4mm       | 7.5F            | 5.43mm³    | 50cm   | 8F                      | Maxi-Curved | FEP     | Formable     | Non-Fenestrated |
| 190040                                        | 2.4mm       | 7.5F            | 5.43mm³    | 105cm  | 8F                      | Straight    | None    | Formable     | Non-Fenestrated |
| 190080                                        | 2.2mm       | 7.5F            | 4.97mm³    | 50cm   | 7F                      | Pre-Curved  | FEP     | Formable     | Non-Fenestrated |
| 190081                                        | 2.2mm       | 7.5F            | 4.97mm³    | 50cm   | 7F                      | Maxi-Curved | FEP     | Formable     | Non-Fenestrated |
| 190085                                        | 2.2mm       | 7.5F            | 4.97mm³    | 105cm  | 7F                      | Straight    | None    | Formable     | Non-Fenestrated |
| 190086                                        | 2.2mm       | 7.5F            | 4.97mm³    | 105cm  | 7F                      | Straight    | FEP     | Formable     | Non-Fenestrated |
| 190051                                        | 1.8mm       | 6F              | 2.46mm³    | 50cm   | 6F                      | Maxi-Curved | FEP     | Formable     | Non-Fenestrated |
| 190060                                        | 1.8mm       | 6F              | 2.46mm³    | 50cm   | 6F                      | Straight    | None    | Formable     | Non-Fenestrated |
| 190065                                        | 1.8mm       | 6F              | 2.46mm³    | 50cm   | 6F                      | Straight    | None    | Non-Formable | Non-Fenestrated |
| 190066                                        | 1.8mm       | 6F              | 2.46mm³    | 70cm   | 6F                      | Straight    | FEP     | Formable     | Non-Fenestrated |
| 190070                                        | 1.8mm       | 6F              | 2.46mm³    | 105cm  | 6F                      | Straight    | None    | Formable     | Non-Fenestrated |
| 190075                                        | 1.8mm       | 6F              | 2.46mm³    | 105cm  | 6F                      | Straight    | None    | Non-Formable | Non-Fenestrated |
| 190090                                        | 1.5mm       | 5F              | 1.80mm³    | 50cm   | 5F                      | Straight    | None    | Formable     | Fenestrated     |
| 190095                                        | 1.5mm       | 5F              | 1.80mm³    | 105cm  | 5F                      | Straight    | None    | Formable     | Fenestrated     |

## Endomyocardial Biopsy Accessories

| AXcess™ Percutaneous Introducer Kit with Double-ended Wire (Box of 10) |        |        |            |                   |
|------------------------------------------------------------------------|--------|--------|------------|-------------------|
| CATALOGUE NO.                                                          | SHEATH |        |            | GUIDEWIRE         |
|                                                                        | SIZE   | LENGTH | HUB COLOUR | DIAMETER x LENGTH |
| 496005                                                                 | 5F     | 11cm   | Grey       | .038" x 45cm      |
| 496006                                                                 | 6F     | 11cm   | Green      | .038" x 45cm      |
| 496007                                                                 | 7F     | 11cm   | Orange     | .038" x 45cm      |
| 496008                                                                 | 8F     | 11cm   | Blue       | .038" x 45cm      |

| One-Stic™ Micro-Access Introducer Kits (Box of 10) |        |        |            |                   |                   |                |           |
|----------------------------------------------------|--------|--------|------------|-------------------|-------------------|----------------|-----------|
| CATALOGUE NO.                                      | SHEATH |        |            | GUIDEWIRE         |                   | NEEDLE         |           |
|                                                    | SIZE   | LENGTH | HUB COLOUR | DIAMETER x LENGTH | CORE/TIP MATERIAL | GAUGE x LENGTH | ECHOGENIC |
| 497830                                             | 5F     | 11cm   | Grey       | .018" x 45cm      | SS/SS             | 21G x 7cm      | No        |
| 497831                                             | 5F     | 11cm   | Grey       | .018" x 40cm      | NT/PD             | 21G x 7cm      | No        |
| 497840                                             | 6F     | 11cm   | Green      | .018" x 45cm      | SS/SS             | 21G x 7cm      | No        |
| 497841                                             | 6F     | 11cm   | Green      | .018" x 40cm      | NT/PD             | 21G x 7cm      | No        |
| 497861                                             | 7F     | 11cm   | Orange     | .018" x 45cm      | SS/SS             | 21G x 7cm      | No        |
| 497862                                             | 8F     | 11cm   | Blue       | .018" x 45cm      | SS/SS             | 21G x 7cm      | No        |

# Bone & Bone Marrow Biopsy

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



# Bone & Bone Marrow Biopsy

## T-Lok™ Bone Marrow Biopsy Needles

The T-Lok Bone Marrow Biopsy Needle's innovative design provides an exceptional ability to capture and retain bone marrow specimens without altering the sample.



Traditional Style Bone Marrow Biopsy Needle



T-Lok Bone Marrow Biopsy Needle with Extraction Cannula

T-Lok Bone Marrow Biopsy Needle



**Twist-Lock handle** is ergonomically designed and allows for sufficient pressure, while keeping assembly intact.

Extraction Cannula



**Tapered distal cannula tip** reduces insertion force.

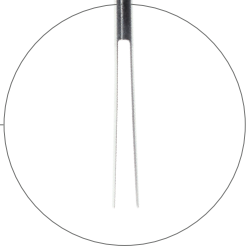


**Twin peaks cutting edge** provides excellent biopsy coring ability.



**Double-diamond stylet point** allows quick and easy penetration into marrow cavity.

**Forceps** ensure specimen capture and extraction.



Marked Obturator/Probe



When inserted into needle cannula, **inscribed mark** indicates length of specimen prior to extraction.

**Probe** can be used to expel specimen from the extraction cannula.



## Bone Marrow Biopsy Needles

Bone Marrow Biopsy Needles are designed to provide quality biopsies by entrapping bone marrow in the needle without altering the sample. Unique cannula design provides outstanding quality specimens; ergonomically designed twist-lock handle provides greater clinician comfort; double-diamond stylet point easily penetrates hard bone; innovative design provides an exceptional ability to capture and retain bone marrow specimens; eliminates painful deflection technique to harvest a diagnostic quality specimen.

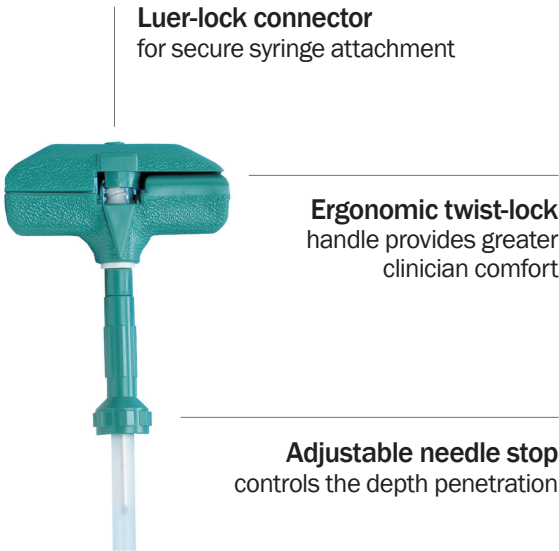
| T-Lok Bone Marrow Biopsy Needles (Box of 10) |                                                    |
|----------------------------------------------|----------------------------------------------------|
| CATALOGUE NO.                                | DESCRIPTION                                        |
| DBMNJ0804TL                                  | 8G x 4" (10.2cm) with extraction cannula           |
| DBMNJ0806TL                                  | 8G x 6" (15.2cm) with extraction cannula           |
| DBMNJ1104TL                                  | 11G x 4" (10.2cm) with extraction cannula          |
| DBMNJ1104D                                   | 11G x 4" (10.2cm), with D shape extraction cannula |
| DBMNJ1106TL                                  | 11G x 6" (15.2cm) with extraction cannula          |

| Bone Marrow Biopsy Needles (Box of 10) |                                            |
|----------------------------------------|--------------------------------------------|
| CATALOGUE NO.                          | DESCRIPTION                                |
| DBMNJ13025                             | 13G x 2.5" (6.4cm) - no extraction cannula |
| DBMNJ1304                              | 13G x 4" (10.2cm) - no extraction cannula  |

# Bone & Bone Marrow Biopsy

## Bone Marrow Aspiration Needles

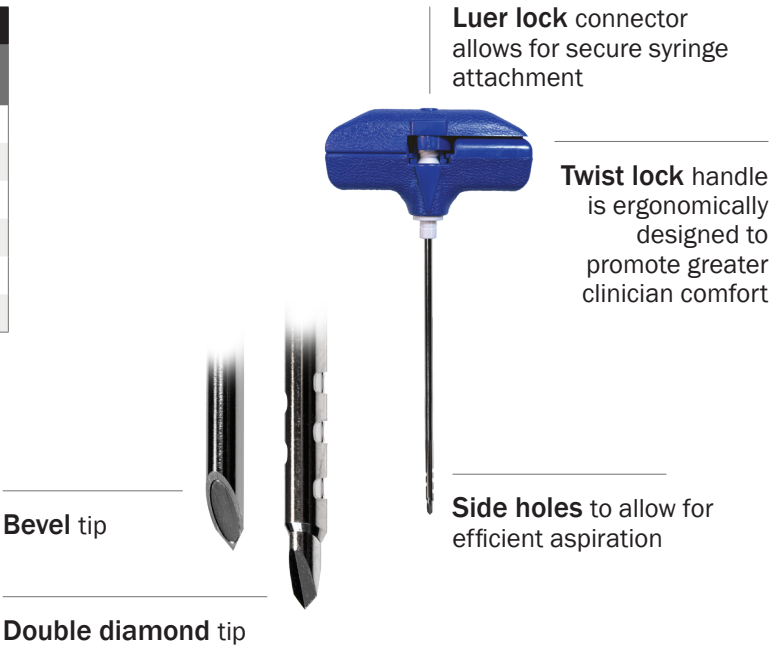
| Bone Marrow Aspiration Needles (Box of 10) |                           |  |
|--------------------------------------------|---------------------------|--|
| CATALOGUE NO.                              | GAUGE x LENGTH            |  |
| DBMNI1501                                  | 15G x 2.688" (6.8cm) max. |  |
| DBMNI1504                                  | 15G x 4" (10.2cm) max.    |  |
| DBMNI1601                                  | 16G x 2.688" (6.8cm) max. |  |



## Bone Marrow Harvest Needles

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

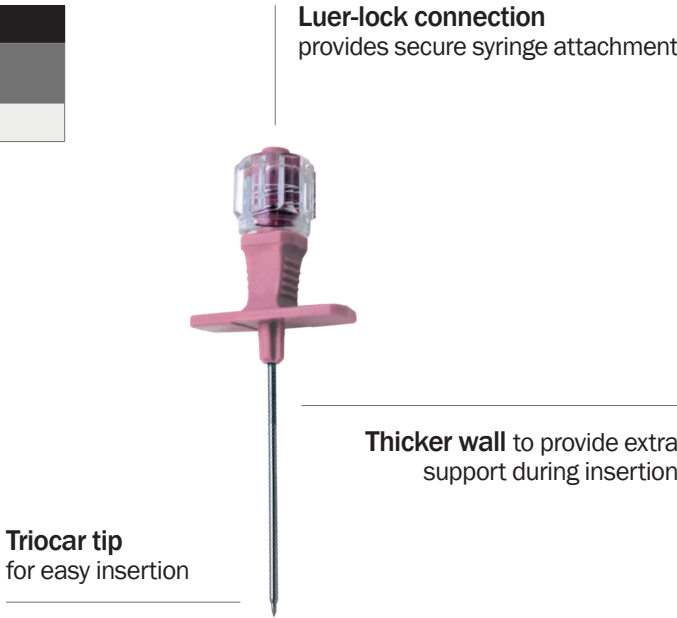
| Bone Marrow Aspiration Needles (Box of 10) |                   |                |
|--------------------------------------------|-------------------|----------------|
| CATALOGUE NO.                              | GAUGE x LENGTH    | TIP            |
| BMHN1104VX                                 | 11G x 4" (10.2cm) | Double Diamond |
| BMHN1104X                                  | 11G x 4" (10.2cm) | Bevel          |
| BMHN1302X                                  | 13G x 2" (5.1cm)  | Bevel          |
| BMHN1303X                                  | 13G x 3" (7.6cm)  | Bevel          |
| BMHN1304VX                                 | 13G x 4" (10.2cm) | Double Diamond |
| BMHN1304X                                  | 13G x 4" (10.2cm) | Bevel          |



## Paediatric Bone Marrow Access Needles

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

| Bone Marrow Aspiration Needles (Box of 10) |                |  |
|--------------------------------------------|----------------|--|
| CATALOGUE NO.                              | GAUGE x LENGTH |  |
| ION18015                                   | 18G x 3.58cm   |  |



## Osty-Core™ Bone Biopsy Needles

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

| Osty-Core Bone Biopsy Needles (Box of 10) |                |                    |
|-------------------------------------------|----------------|--------------------|
| CATALOGUE NO.                             | GAUGE x LENGTH | COAXIAL (OPTIONAL) |
| OBN16075                                  | 16G x 7.5cm    |                    |
| OBN16125                                  | 16G x 12.5cm   | MCXS1610AX         |
| OBN16165                                  | 16G x 16.5cm   | MCXS1616AX         |

| Osty-Core Bone Biopsy Needles (Box of 10) |                |                    |
|-------------------------------------------|----------------|--------------------|
| CATALOGUE NO.                             | GAUGE x LENGTH | COAXIAL (OPTIONAL) |
| MCXS1610AX                                | 15G x 4.6cm    | OBN16125           |
| MCXS1616AX                                | 15G x 10.6cm   | OBN16165           |

