

BioPince™

FULL CORE
BIOPSY SYSTEM

The Gold Standard
in Full Core Technology

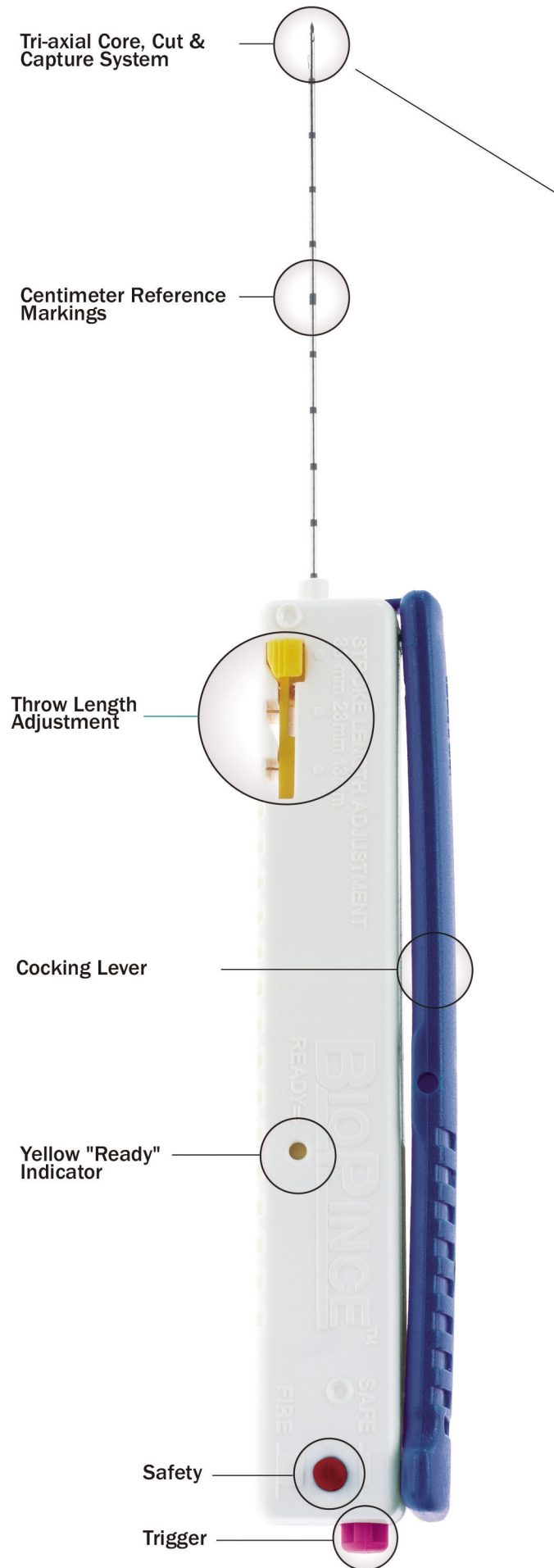




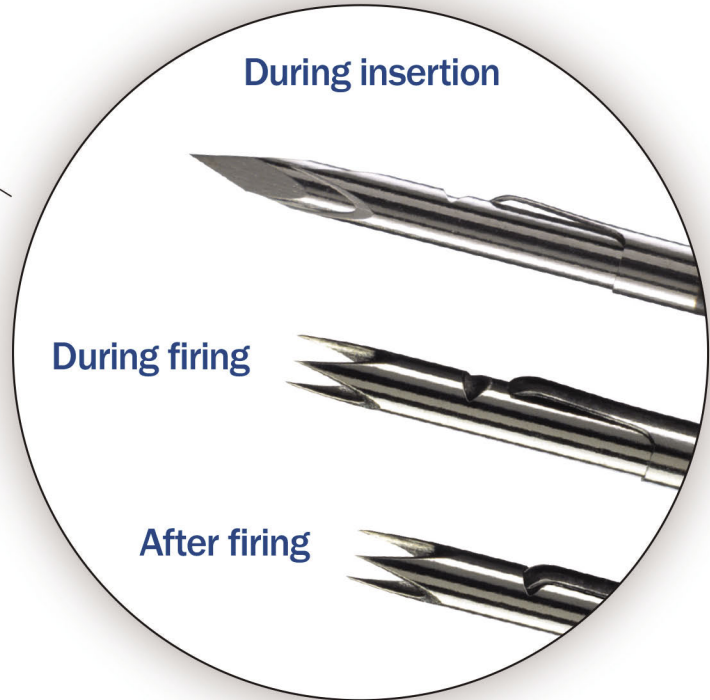
BioPince™ Full Core Biopsy Instrument utilizes our tri-axial core, cut and capture cannula system to harvest diagnostic quality specimens while reducing the risk of crush artifact and tissue fragmentation. A full cylindrical specimen is harvested for clinical diagnosis.

Features and Benefits

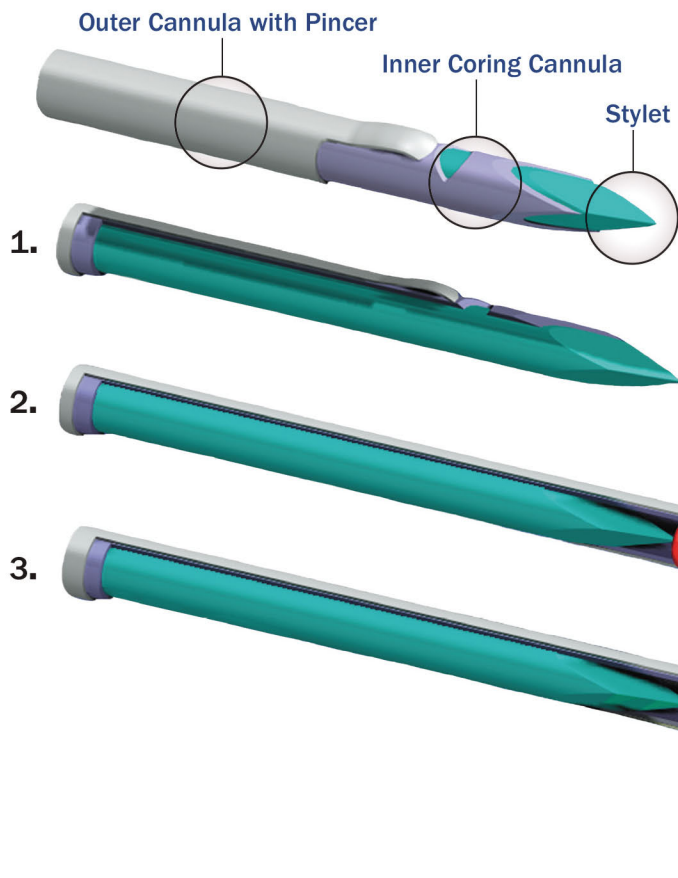
- Easy specimen retrieval expels sample when device is re-cocked. Device is now ready to take another sample.
- Variable throw length allows for clinical flexibility at the biopsy site. 13 mm yields 9 mm specimen length, 23 mm yields 19 mm specimen length, or 33 mm yields 29 mm specimen length.
- Ready indicator indicates that the device is cocked and ready to fire.
- Safety button allows locking the device to prevent misfiring.
- Centimeter markings provide reference for accurate depth placement.
- BioPince™ co-axial introducer needles allow for single-stick, multiple pass biopsies. (Sold separately)



BioPince™ Tri-axial Core, Cut & Capture System



BioPince™ Needle Sequence



1. Stylet is positioned proximal to the lesion and does not move forward.
2. Once instrument is actuated, the coring cannula advances forward surrounding the tissue.
3. The outer cannula with pincer advances to cut the distal specimen portion and captures it within the cannula.

Resources

Clinical Articles

"Better glomerular yield with a 16 gauge BioPince™ instrument compared to a 14 gauge tru-cut needle with taking fewer cores and fewer major complications."

Constatin, A.M., Brisson, M.L., Kwan, J., and Proulz, F. Percutaneous US-Guided Renal Biopsy: A Retrospective Study Comparing the 16 Gauge End-Cut and 14 Gauge Side-Notch Needles. *J Vasc Interv Radiol.* 2010; 21:357-361.

"Single-pass percutaneous US-guided liver biopsy with the INRAD 18g Express (now BioPince™) core needle biopsy system is a safe procedure that provides definitive pathologic diagnosis regularly."

Rivera-Sanfeliz, G., Kinney, T.B., Rose, S.C., Agha, A.K., Valji, K., Miller, F.J., and Roberts, A.C. Single-Pass Percutaneous Liver Biopsy for Diffuse Liver Disease Using an Automated Device: Experience in 154 Procedures. *J Cardiovasc Interv Radiol.* 2005; 28:584-588.

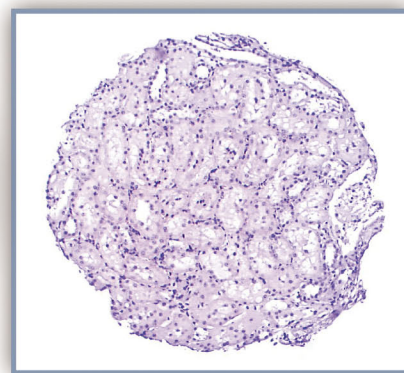
"Percutaneous image-guided biopsy using the described full-core, end-cut needle resulted in a specific diagnosis in 99/100 consecutive biopsies in various organs with a low complication rate."

Diederich, S., Padge, B., Vossas, U., Hake, R., and Eidt, S. Application of a Single Needle Type for All Image-Guided Biopsies: Results of 100 Consecutive Core Biopsies in Various Organs Using a Novel Tri-Axial, End-Cut Needle. *Cancer Imaging.* 2006; 6:43-50.

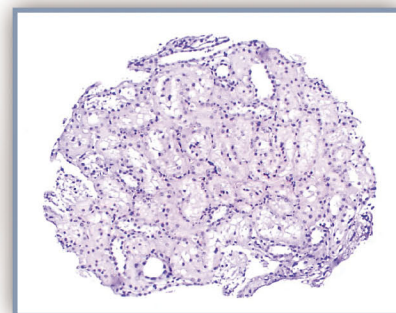
**Full core samples
result in up to 59%
more tissue volume**



BioPince™ Full Core Biopsy Instrument



Conventional Side-Notch Biopsy Instrument



BioPince™

FULL CORE BIOPSY SYSTEM



BIOPINCE™ ORDERING INFORMATION

Full Core Biopsy (Box of 5)

QUANTITY	CATALOG NUMBER	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

CO-AXIAL INTRODUCER NEEDLES ORDERING INFORMATION

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

QUANTITY	CATALOG NUMBER	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



PHYSICIAN'S SIGNATURE