ARROW®

Precise Control for Difficult Lesions

Arrow®

OnControl® Powered Bone Lesion Biopsy System

Teleflex®

Driving a Better Way to Obtain High-Quality Bone Lesion Samples

Here's how the Arrow® OnControl® Powered Bone Lesion Biopsy System is raising the standard, as compared to manual biopsy needles:

For Practitioners

Using patented handheld driver technology, it provides rapid access to difficult bone lesions.[1,2]

For Pathologists

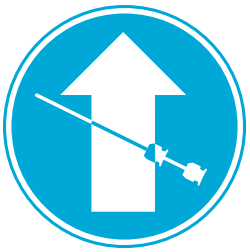
It results in high-quality specimens, especially with difficult to reach bone lesions.[2]

For Patients

Demonstrated to cause less patient pain during insertion and after the procedure, as compared to manual biopsy needles.[1,3,5]

High-Quality Samples

- As compared to manual biopsy needles, the Arrow® OnControl® Powered Bone Lesion Biopsy System has been shown to deliver consistently high-quality core specimens.[3,4]
- This may reduce the number of second-attempt procedures required that can occur as a result of insufficient specimen size and may result in more usable area for diagnosis.[3,4]



Increased User Control[5,7]

- Provides **precise control** and **rapid access** to difficult bone lesions.[5]
- May result in a bone biopsy procedure time that is faster than with manual biopsy needles.[1,3,6]

Dependable Performance

- Specially engineered cannula **makes access to hard bones easy.**
- Comprehensive system trays contain the instruments needed for **multiple, high-quality bone biopsies** from a single cortical penetration.

Greater Patient Satisfaction[4]

- Has been demonstrated to cause **less patient pain**, during insertion and after the procedure, as compared to manual biopsy needles.[6]

Hard Bone Lesions Made Easy

The Arrow® OnControl® Powered Bone Lesion Biopsy System is the first major advance in bone and bone marrow sampling procedures in more than 40 years—helping to effectively, safely, and quickly obtain high-quality specimens, even from dense and hard-to-reach bone.

For more information or to request a demo, visit *OnControlSystem.com*.

Ordering Information

Arrow® OnControl® Powered Bone Access

Powered Driver

9401

Bone Lesion Biopsy Trays

TRAY COMPONENTS	NEEDLE GAUGES	ACCESS LENGTH	BIOPSY LENGTH	PART NUMBER
Bone Access Needle Set Bone Access Ejector Rod Bone Lesion Biopsy Needle Bone Lesion Biopsy Ejector Rod Connector with Sterile Sleeve Manual Handle – for minor adjustment Transfer Rod – for marking the access point	10 ga access 12 ga biopsy	6 cm	10 cm	9465-VC-006
		10 cm	14 cm	9463-VC-006
		15 cm	19 cm	9461-VC-006
	11 ga access 13 ga biopsy	6 cm	10 cm	9466-VC-006
		10 cm	14 cm	9464-VC-006
		15 cm	19 cm	9462-VC-006

With any bone lesion biopsy procedures these potential complications may include local or systemic infection, hematoma, extravasation or other complications associated with percutaneous insertion of sterile devices. Rx only. Refer to instructions accompanying the device for indications, contraindications, warnings, and precautions.

References:

1. Lee RK, Ng AW, Griffith JF. CT-guided bone biopsy with a battery-powered drill system: preliminary results. AJR *Am J Roentgenol*. 2013;201(5):1093-5. doi:10.2214/AJR.12.10521.
2. Symington K, Martinez F, Miller LJ, Philbeck TE. Examination of 64 consecutive specimens obtained using a powered biopsy device. *J Vasc and Interv Radiol*. 2014;25(3s):S196. Research sponsored by Teleflex Incorporated. Philbeck TE is an employee of Teleflex Incorporated.
3. Swords RT, Anguita J, Higgins RA, et al. A prospective randomized study of a rotary powered device (OnControl) for bone marrow aspiration and biopsy. *J Clin Pathol*. 2011;64(9):809-13. doi:10.1136/jclinpath-2011-200047. Research sponsored by Teleflex Incorporated.
4. Miller LJ, Philbeck TE, Montez DF, et al. Powered bone marrow biopsy procedures produce larger core specimens, with less pain, in less time than with standard manual devices. *Hematol Rep*. 2011;3(e8):22-5. doi:10.4081/hr.2011.e8. Research sponsored by Teleflex Incorporated. Philbeck TE and Montez DF are employees of Teleflex Incorporated.
5. Berenson JR, Yellin O, Blumenstein B, et al. Using a powered bone marrow biopsy system results in shorter procedures, causes less residual pain to adult patients, and yields larger specimens. *Diagn Pathol*. 2011;6:23. Research sponsored by Teleflex Incorporated.
6. Reed LJ, Raghupathy R, Strakhan M, et al. The OnControl bone marrow biopsy technique is superior to the standard manual technique for hematologists-in-training: a prospective, randomized comparison. *Hematol Rep*. 2011;3(e21). doi:10.4081/hr.2011.e21. Research sponsored by Teleflex Incorporated.
7. Garcia G, Miller LJ, Philbeck TE, Bolleter S, Montez DF. Tactile feedback allows accurate insertion of a powered bone access device for vertebroplasty and bone marrow sampling procedures. *J Vasc and Interv Radiol*. 2011;22(3):S86. Research sponsored by Teleflex Incorporated. Philbeck TE and Montez DF are employees of Teleflex Incorporated. Dr. Garcia was formerly a paid consultant of Teleflex Incorporated. Simulated model study results may not be indicative of clinical performance.

The Arrow® OnControl® Bone Lesion Biopsy System is intended for bone biopsy of the vertebral body and bone lesions.
The Arrow® OnControl® Powered Bone Lesion Biopsy System should not be used by clinicians unfamiliar with the complications, limitations, indications, and contraindications of bone marrow aspiration and biopsy.

CAUTION: Federal (USA) law restricts this device to sale by or on the order of a physician. Not all products are available in all regions. Please contact customer service to confirm availability in your region. Refer to the Instructions for Use for a complete listing of the indications, contraindications, warnings and precautions.

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