Lung cancer screening programs have shown a 20% reduction in mortality. As guidelines for lung cancer screening continue to evolve, the number of bronchoscopies performed is expected to rise. Built on proven technology, the Expect Pulmonary Needle provides physicians with a durable and reliable method to diagnose and stage lung cancer.

Building on the dedication to developing less invasive devices, we are pleased to introduce the Expect Pulmonary Endobronchial Ultrasound Transbronchial Aspiration Needle. The Expect Needle is designed to be used with endobronchial ultrasound bronchoscopes for ultrasound guided fine needle aspiration (FNA) of the submucosal and extramural lesions of the tracheobronchial tree and the gastrointestinal tract.
Durability

Cobalt chromium needle provides benefits over some stainless steel alloys including greater needle hardness and excellent tensile properties to deliver*:

- **Superior** needle penetration*

- **Improved** pushability and kink resistance*

- **Increased resistance** to needle damage or deformation after multiple passes*

- **Thin wall of needle** maximizes inner diameter for improved sample collection

*Durability Test Method: Before placing the needle/sheath into the scope, extend needle out 4 inches and measure the initial angle of the needle. Pass the needle through the benchtop model and lock into place. Measure the angle of the needle when in scope at zero degrees. Articulate the scope to 50 degrees 18 times and then leave at zero degrees. Stick needle out 4 in. and measure angle. Remove the needle from the benchtop model. Outside the scope, extend needle 4 inches and measure the final angle. One needle tested.

Data on file.

*Catheter and Specialty Needle Alloys, an abstract from Materials & Processes for Medical Devices Conference & Exposition, Minneapolis, MN, August 10-12, 2009.*
Reliability

Sharp needle tip grind is designed for precise penetration into the target area. Testing shows no deterioration in sample quality throughout a procedure.*

Thin Wall Design

Inner diameter of the 22ga Expect Needle is only 10% smaller than the Olympus 21ga needle.*

Highly Visible Echogenic Pattern

- Extends onto needle tip to help provide precise guidance within the target site
- Helps to maintain needle tip visibility at all times during a procedure

Expect Pulmonary

Endobronchial Ultrasound Transbronchial Aspiration Needle

*Data on file.
Comfort

Ergonomic rotating handle design and tactile feel to provide **precision and control**

- **Adaptor allows device to be compatible with Olympus EBUS Scopes**
- **Durable Nitinol Stylet allows for reliable needle clearance throughout the procedure**
- **Stylet cap with integrated clip keeps stylet safely contained for improved handling**
- **Smooth actuation and slip resistant grip surface facilitates excellent needle control**
- **Audible and tactile feedback ensuring needle is fully retracted into the sheath**
- **Needle depth lock allows user to control depth of needle penetration**
- **Sheath is pre-set for proper alignment with scope and adjustable based on procedural requirements**

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**Expect™ Pulmonary**  Endobronchial Ultrasound Transbronchial Aspiration Needle
The handle is very ergonomic. I thought it wouldn’t make a difference in terms of **procedural efficiency**, but it really does.

*William A. Bulman, MD*
Columbia University Medical Center

I have **better control** of the needle, especially in small lymph nodes.

*Antoni Rosell, MD*
Bellvitge Hospital Universitari

This needle is so **durable**, I only need to use one for a procedure now.

*Peter Delong, MD*
Dartmouth-Hitchcock Medical Center
Boston Scientific offers a broad portfolio of devices for the diagnosis and treatment of pulmonary diseases along with services and programs that help impact clinical outcomes and bring efficiencies to managing the bronchoscopy suite.

- Clinical staff training through in-services and continuing nursing credit programs (CNE).
- Patient education materials and Close the Gap health equity programs.
- Services and programs, including e-commerce, supply chain optimization and workflow optimization.
- Guidepoint Reimbursement services and webinars.

Boston Scientific Endoscopy has trained approximately 20,000 nurses each year as part of its CNE programs.

CLOSE THE GAP

Close the Gap, a health equity program created by Boston Scientific, is dedicated to eliminating treatment disparities in communities across the nation at high risk of suffering from gastrointestinal and pulmonary diseases.

To learn more visit www.bostonscientific.com/gastroservices
Expect™ Pulmonary
Endobronchial Ultrasound Transbronchial Aspiration Needle

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<th>Product Code</th>
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