

Bronchial Biopsy Device Global Market Insights 2025, Analysis and Forecast to 2030, by Market Participants, Regions, Technology, Application, Product Type

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Abstracts

Bronchial Biopsy Devices Market Summary

Introduction

Bronchial biopsy devices are essential tools for diagnosing respiratory conditions like lung cancer (2.38 million new cases annually), COPD (affecting 300 million people), and tuberculosis through minimally invasive procedures. The market is driven by rising smoking rates, air pollution, and an aging population prone to lung diseases.

Techniques like EBUS-TBNA enhance diagnostic accuracy, while innovations such as AI navigation and robotic assistance improve precision. The global market is expected to reach between USD 350 million and USD 580 million in 2025, with a CAGR of 6.2% to 8.8% through 2030.

Regional Analysis

North America: The U.S. leads with widespread lung cancer screening, while Canada focuses on chronic lung disease management.

Europe: Germany, France, and the UK drive demand due to advanced diagnostics and aging populations.

Asia Pacific: China and India see growth from pollution-related lung issues, while Japan emphasizes early detection.

Rest of the World: Brazil expands respiratory diagnostics, and the Middle East invests in

advanced medical tools.

Application Analysis

Lung Cancer: Expected growth of 6.5%-9.0%, driven by high incidence. Trends focus on early-stage diagnosis.

Interstitial Lung Disease (ILD): Projected growth of 6.0%-8.5%, linked to pollution. Developments emphasize precision sampling.

Sarcoidosis: Anticipated growth of 5.8%-8.3%, suited for inflammatory diagnostics. Advances prioritize minimally invasive tools.

Tuberculosis: Expected growth of 6.3%-8.7%, tied to global prevalence. Trends lean toward rapid diagnostics.

Type Analysis

Biopsy Forceps: Expected growth of 5.9%-8.4%, valued for versatility. Trends highlight durability.

Transbronchial Needle Aspiration (TBNA) Needles: Projected growth of 6.6%-9.1%, key for precision. Advances focus on EBUS integration.

Cytology Brushes: Anticipated growth of 5.7%-8.2%, suited for cell collection. Innovations emphasize ease of use.

Cryobiopsy Devices (Cryoprobes): Expected growth of 6.8%-9.3%, driven by tissue quality. Trends lean toward cryotechnology.

Key Market Players

Key firms include Olympus Corporation, offering ViziShot needles; Boston Scientific Corporation, advancing biopsy tools; Cook Medical, focusing on respiratory devices; Medtronic, enhancing precision; CONMED Corporation, supporting diagnostics; BD, specializing in sampling; Erbe Elektromedizin GmbH, innovating in cryobiopsy; HOBBS Medical, targeting biopsy solutions; Telemed Systems, developing imaging aids; Argon Medical Devices, launching SuperCore; and Horizons International Corp, supporting lung diagnostics.

Porter's Five Forces Analysis

? Threat of New Entrants: Moderate, due to regulatory and technological barriers, though niche players can enter.

? Threat of Substitutes: Low, as bronchial biopsy devices are critical for lung diagnostics with no direct alternatives.

? Bargaining Power of Buyers: Moderate, with hospitals seeking reliable, cost-effective tools, though specialized needs limit leverage.

? Bargaining Power of Suppliers: Low, with multiple component suppliers.

? Competitive Rivalry: High, with competition on precision, AI integration, and minimally invasive designs.

Market Opportunities and Challenges

Opportunities:

? Lung cancer (2.38 million cases) and COPD (300 million cases) drive demand.

? Aging populations (2.1 billion over 60 by 2050) and pollution boost needs, while screening programs enhance early diagnosis.

? Innovations like AI navigation and cryobiopsy improve outcomes.

Challenges:

? High costs of advanced devices limit adoption in low-income regions.

? Regulatory delays for robotics slow entry.

? Limited pulmonologists in rural areas restrict growth.

Market News

? In September 2023, Broncus Medical, Inc. launched BioStar TBNA for minimally

invasive lung cancer diagnostics.

? In May 2023, Argon Medical Devices introduced the SuperCore Advantage Biopsy Instrument for soft tissue sampling.

? In September 2022, Serpex Medical received FDA 510(k) clearance for Compass Steerable Needles for lung cancer diagnosis.

? In July 2020, Olympus Corporation launched ViziShot 2 25 G needle for EBUS-TBNA in lung cancer staging.

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