# Synthesis Modules for Radiotracers Market to Worth USD 2.27 Billion by 2032 – SNS Insider

Automated Synthesis Modules Dominate Market with 50% Share, as North America Leads Global Adoption Amid Growing Investments in Radiotracer Technologies

AUSTIN, TX, UNITED STATES, February 12, 2025 /EINPresswire.com/ -- According to Research by SNS Insider, The Synthesis Modules for Radiotracers Market was valued at USD 1.20 billion in 2023 and is projected to reach USD 2.27 billion by 2032, registering a robust CAGR of 7.66% over the forecast period from 2024 to 2032.

Synthesis Modules for Radiotracers Market
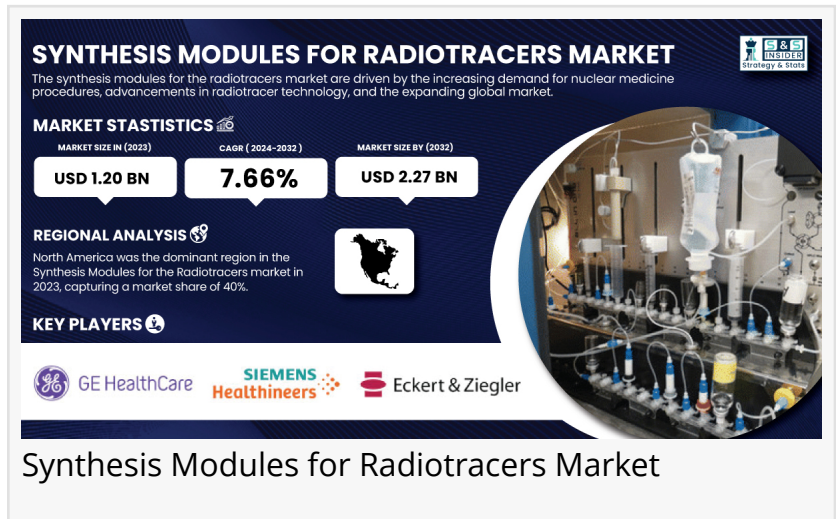
The market's growth is driven by advancements in medical imaging technologies, particularly the increasing demand for radiotracers in various medical fields such as oncology, cardiology, and neurology. The rising prevalence of diseases, along with the demand for more accurate diagnostic tools, has spurred the growth of synthesis modules for radiotracers.

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By type, in 2023, Automated Synthesis Modules held the largest share of the Synthesis Modules for the Radiotracers market, accounting for 50% of the market.

"Automated synthesis modules are revolutionizing radiotracer production, offering 35% faster processing, 20% cost savings, and consistent quality, meeting the surging demand for nuclear medicine."

SNS Insider

These modules have been increasing in demand mainly due to the efficiency and accuracy they provide with which radiotracers can be synthesized to serve various procedures for imaging purposes. Automated synthesis modules are widely favored because of minimize human errors, enhance operation efficiency, and produce consistent radiotracer quality. Their streamlined workflows and high productivity make them necessary in contemporary medical imaging. As the healthcare industry

remains more competitive regarding automation and precision, this will continue to enhance the adoption of these modules. Due to improvements in radiopharmaceutical production and the steady growth of diagnostic applications, Automated Synthesis Modules will maintain their market dominance with solid growth in the forecast period.

By Application, the oncology segment of the Synthesis Modules for Radiotracers market is growing at the fastest pace.

The increasing use of radiotracers for cancer diagnosis and treatment greatly is driving the market. Radiotracers play a crucial role in oncology imaging, facilitating an early diagnosis, staging, and monitoring of cancer progression. As the burden of cancer globally escalates, the use of advanced radiotracers that provide non-invasive diagnostic capabilities accurately is ever on the increase. Improvements made in targeted therapies also advance the effectiveness of the application of radiotracers. As research in nuclear medicine grows, the incorporation of state-of-the-art radiotracer technologies in the oncology sector is expected to gain more traction, thereby making earlier and more precise cancer diagnosis increasingly accessible and efficient across healthcare systems globally.

By End-User, Hospitals represented the largest share of the Synthesis Modules for Radiotracers market in 2023, with 45% of the market share.

Hospitals are the primary users of synthesis modules because of their requirement for high-capacity diagnostic imaging capabilities and the availability of staff trained to handle complex technology. However, the fastest-growing end-user segment is ambulatory care centers mainly backed by the trend towards outpatient services and demand for less invasive diagnostic solutions at lower costs. The shift to ambulatory care is a greater indication of decentralizing healthcare services, thus bringing opportunities for the synthesis modules beyond the traditional settings of hospitals.

North America dominated the Synthesis Modules for the Radiotracers market in 2023, accounting for 40% of the global market share.

The region is well-supported by a developed healthcare infrastructure, high adoption rates of advanced medical technologies, and an increasing demand for diagnostic imaging in oncology, cardiology, and neurology. In particular, the U.S. plays a crucial role in the development and deployment of radiotracer synthesis modules due to its focus on precision medicine and advanced healthcare solutions.

Meanwhile, the Asia Pacific region is emerging as the fastest-growing market for synthesis modules for radiotracers. Countries like China and India are witnessing rapid advancements in healthcare, with substantial investments in medical imaging technologies. This region also has a high burden of chronic diseases, which is driving the demand for effective diagnostic tools, including radiotracers. Expansion in healthcare infrastructure together with an uptick in modern

advanced diagnostic equipment deployment will contribute to increased market growth in Asia Pacific in the coming years.

Key Players in Synthesis Modules for Radiotracers Market
• GE Healthcare
• Siemens Healthineers
• Philips Healthcare
• Eckert & Ziegler
• IThemba LABS
• Trasis SA
• Advanced Cyclotron Systems Inc. (ACSI)
• MDS Nordion

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