

Global Technetium-99m Market Size Study, by Clinical Services (Bone Scan, Renal Scan, Cardiac Scan, Neurology Scan), by Isotopic Application (Gamma Camera, Single Photon Emission Computed Tomography (SPECT)), by End-user (Hospitals, Diagnostic Centers, Others), and Regional Forecasts 2022-2032

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Abstracts

The Global Technetium-99m Market is valued at approximately USD 6.0 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 3.3% over the forecast period 2024-2032. Technetium-99m is a crucial isotope used in nuclear medicine, serving as the foundation for diagnostic imaging operations globally. From urinary tract imaging to heart scanning, health practitioners rely heavily on it to detect and treat disorders. The demand for advanced nuclear imaging infrastructure in illness detection and therapy is growing, expanding the applications of SPECT detector technology in preclinical research and enhancing diagnostic precision. The Technetium-99m market is thriving, driven by changing healthcare demands and technological advancements. There is significant potential for the use of Technetium-99m in the treatment of an expanding variety of chronic and noncommunicable diseases, particularly in clinical studies such as scans that increase diagnostic procedures.

Governments are implementing health programs to increase diagnostic imaging and treatment options, thereby boosting the market size of Technetium-99m. The rise in demand for advanced nuclear imaging infrastructure for illness detection and treatment fuels the market's growth; SPECT detector technology is evolving with a wider range of applications in preclinical research as well as improved diagnostic accuracy. The growth

of the Technetium-99m market is highly positive, allowing players to capitalize on emerging trends and innovations as medicine continues to advance in early disease detection and precise imaging methods. Expansion of health infrastructure, rising healthcare expenditure, and worldwide health initiatives emphasizing innovative medical technologies are key factors bolstering the market demand for Technetium-99m.

As healthcare providers and researchers become more aware of the role and benefits that Technetium-99m can play in improving patient outcomes and treatment efficiency, stakeholders seeking to capitalize on this critical radiopharmaceutical's expanding use and demand chain will find numerous market opportunities.

Key regions considered for the global Technetium-99m Market study include Asia Pacific, North America, Europe, Latin America, and the Rest of the World. In 2023, North America dominated the landscape. Government authorities such as the US FDA and NRC establish safety standards for the use of Technetium in medical applications, governing its safe handling and optimal use. Various North American government programs and grants provide funding for development and research efforts in healthcare and biotechnology, fostering innovation within governmental institutions and commercial firms.

Major market players included in this report are:

Advanced Accelerator Applications S.A.

Advanced Cyclotron Systems, Inc.

Bayer AG

GE Healthcare

Philips Healthcare (Koninklijke Philips N.V.)

Siemens Healthineers

Eckert & Ziegler

IBA Radiopharma Solutions

Medi-Radiopharma Kft.

Lantheus Holdings, Inc.

Nordion, Inc.

Sumitomo Heavy Industries, Ltd.

NTP Radioisotopes SOC Ltd

Isotope JSC

China Isotope & Radiation Corporation

The detailed segments and sub-segment of the market are explained below:

By Clinical Services:

Bone Scan
Renal Scan
Cardiac Scan
Neurology Scan

By Isotopic Application:

Gamma Camera
Single Photon Emission Computed Tomography (SPECT)

By End-user:

Hospitals
Diagnostic Centers
Others

By Region:

North America
U.S.
Canada

Europe
UK
Germany
France
Spain
Italy
ROE

Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC

Latin America
Brazil
Mexico
Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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