

# Global Nuclear Medicine Radiopharmaceuticals Market Size to Double, Reaching USD 13.94 Billion by 2034

*Nuclear Medicine Radiopharmaceuticals Market Size was valued at approximately USD 6.74 billion in 2024 and is expected to reach around USD 13.94 billion by 2034*

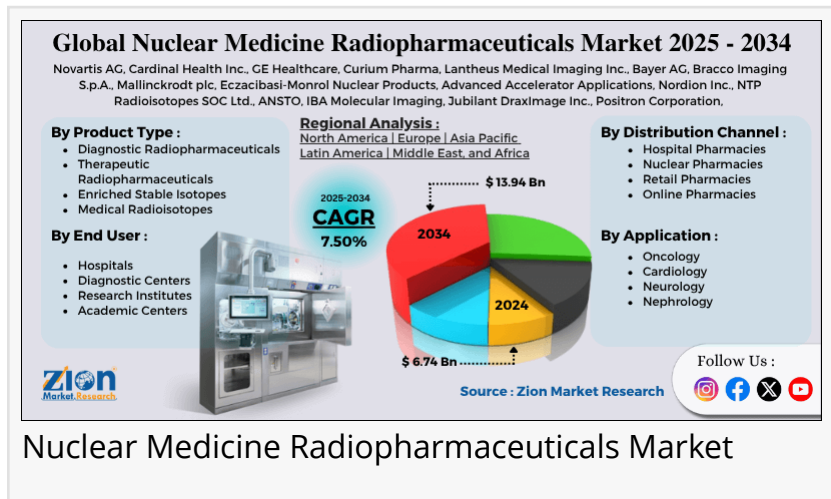
PUNE, MAHARASHTRA, INDIA, August 22, 2025 /EINPresswire.com/ --  
Introduction

Nuclear medicine has emerged as a crucial component of modern healthcare, playing a significant role in diagnostics, disease management, and targeted therapies. Radiopharmaceuticals — radioactive compounds administered to patients for imaging or therapeutic purposes — are increasingly used in the treatment and detection of cardiovascular diseases, cancer, neurological disorders, and other chronic illnesses.

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Nuclear medicine radiopharmaceuticals market was valued at approximately USD 6.74 billion in 2024 and is expected to reach around USD 13.94 billion by 2034, (CAGR) of 7.50% between 2025 and 2034.”

Deepak Rupnar



According to industry estimates, the [global nuclear medicine radiopharmaceuticals market Size](https://www.zionmarketresearch.com/sample/nuclear-medicine-radiopharmaceuticals-market-size) was valued at USD 6.74 billion in 2024 and is projected to reach approximately USD 13.94 billion by 2034, growing at a CAGR of 7.50% between 2025 and 2034.

Access key findings and insights from our Report in this sample -

<https://www.zionmarketresearch.com/sample/nuclear-medicine-radiopharmaceuticals-market-size>

## Key Insights:

As per the analysis shared by our research analyst, the global nuclear medicine radiopharmaceuticals market is estimated to grow annually at a CAGR of around 7.50% over the

forecast period (2025-2034)

In terms of revenue, the global nuclear medicine radiopharmaceuticals market size was valued at around USD 6.74 billion in 2024 and is projected to reach USD 13.94 billion by 2034.

The nuclear medicine radiopharmaceuticals market is projected to grow significantly due to the rising prevalence of chronic diseases and increased adoption of personalized medicine approaches. Based on product type, diagnostic radiopharmaceuticals lead the segment and are expected to continue dominating the global market. Based on the application, oncology is expected to lead the market. Based on the distribution channel, hospital pharmacies are anticipated to command the largest market share. Based on end-users, hospitals are expected to lead the market during the forecast period. Based on region, North America is projected to lead the global market during the forecast period.

#### □ Key Market Drivers

**Rising Cancer Incidence:** Radiopharmaceuticals are highly effective in early detection and targeted treatment of cancer.

**Growing Demand for Diagnostic Imaging:** Expanding use of PET (Positron Emission Tomography) and SPECT (Single Photon Emission Computed Tomography) scans.

**Technological Advancements:** Development of novel radioisotopes and theranostics for personalized treatment.

**Aging Population:** Higher prevalence of cardiovascular and neurological disorders among elderly patients.

**Government & Private Investments:** Increased funding for nuclear medicine research and radiopharmaceutical production.

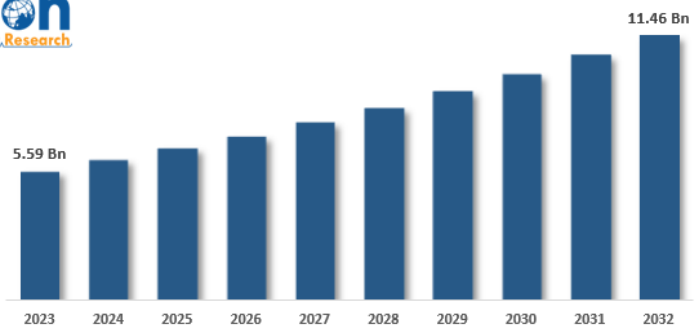
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### Nuclear Medicine/Radiopharmaceuticals Market, Global Market Size, 2024-2032 (USD Billion)

**Zion**  
Market Research

Revenue (USD Mn/Bn)



CAGR : 8.30%

Source: Zion Market Research

### Nuclear Medicine Radiopharmaceuticals Market Size

#### THE LEADING PLAYERS IN THE GLOBAL ANTIFUNGAL DRUGS MARKET



Pfizer Inc.



MERCK

Merck & Co. Inc.



GlaxoSmithKline

GlaxoSmithKline plc



NOVARTIS

Novartis AG



Bayer

Bayer AG

abbvie

Abbvie Inc.



Bristol Myers Squibb

Teva Pharmaceutical  
Industries Ltd.

teva

Teva Pharmaceutical  
Industries Ltd.



SUN

Sun Pharmaceutical

Cipla

Cipla Ltd.

Dr.Reddy's

Dr. Reddy's Laboratorie

Mylan

Mylan N.V.

### Nuclear Medicine Radiopharmaceuticals Market Competitive Analysis

## [market-size](#)

### □ Market Segmentation

#### By Type

Diagnostic Radiopharmaceuticals (Largest Share):

PET Radiopharmaceuticals (e.g., Fluorodeoxyglucose [FDG])

SPECT Radiopharmaceuticals (e.g., Technetium-99m)

Therapeutic Radiopharmaceuticals (Fastest Growing):

Beta Emitters (e.g., Iodine-131, Lutetium-177)

Alpha Emitters (e.g., Radium-223)

Brachytherapy Isotopes

#### By Application

Oncology (Largest Segment): High demand for cancer imaging and treatment.

Cardiology: Used in myocardial perfusion imaging for heart diseases.

Neurology: PET scans to detect Alzheimer's, Parkinson's, and epilepsy.

Thyroid Disorders: Use of iodine-based radiopharmaceuticals for diagnosis and treatment.

Others: Pulmonology, orthopedics, renal disorders.

#### By End User

Hospitals & Clinics (Dominant): Primary centers for nuclear medicine imaging and therapies.

Diagnostic Centers: Increasing number of PET/SPECT scan facilities.

Academic & Research Institutes: Expanding role in radiopharmaceutical R&D.

### □ Regional Insights

#### North America (Largest Market)

Strong healthcare infrastructure and high cancer prevalence.

Wide adoption of PET and SPECT imaging.

Presence of major pharmaceutical and isotope production companies.

#### Europe

Rising demand for theranostics (therapy + diagnostics).

Active research collaborations and strong government support.

Germany, UK, and France leading adoption in oncology imaging.

#### Asia-Pacific (Fastest Growing)

Growing healthcare investments in China, India, and Japan.

Increasing burden of cancer and cardiac diseases.

Rapid expansion of diagnostic imaging centers.

#### Latin America

Brazil and Mexico witnessing higher adoption of nuclear medicine.

Rising government focus on expanding healthcare services.

Middle East & Africa

Increasing healthcare spending and awareness.

Growing demand for radiopharmaceuticals in UAE, Saudi Arabia, and South Africa.

Inquiry For Buying- <https://www.zionmarketresearch.com/inquiry/nuclear-medicine-radiopharmaceuticals-market-size>

#### □ Major Key Players

The market is moderately consolidated, with companies focusing on new product launches, radioisotope production, and strategic partnerships. Key players include:

Cardinal Health, Inc.

Curium Pharma

GE HealthCare Technologies Inc.

Siemens Healthineers AG

Bayer AG

Novartis AG (Advanced Accelerator Applications S.A.)

Lantheus Holdings, Inc.

Nordion (Canada) Inc.

Eczacıbaşı-Monrol Nuclear Products

Bracco Imaging S.p.A.

#### □ Future Outlook

The nuclear medicine radiopharmaceuticals market is poised for strong growth as precision medicine, theranostics, and targeted therapies become central to healthcare. With increasing cancer and cardiovascular cases, coupled with technological advances in imaging, the demand for radiopharmaceuticals will continue to surge.

By 2034, the market will nearly double to USD 13.94 billion, driven by expanded isotope production capacity, regulatory support, and wider adoption of nuclear imaging technologies.

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Leadless Pacemaker Systems Market By Technology (Single-Chamber Pacemaker, Dual-Chamber Pacemaker, Multi-Chamber Pacemaker), By Application (Cardiac Arrhythmia, Bradycardia, Congenital Heart Disease), End User (Hospitals, Ambulatory Surgical Centers, Specialty Clinics), Distribution Channel (Direct Sales, Distributors, Online Sales), and By Region: Global and Regional Industry Overview, Market Intelligence, Comprehensive Analysis, Historical Data, and Forecasts 2025 - 2034-<https://www.zionmarketresearch.com/report/leadless-pacemaker-systems-market>

Bone Growth Stimulators Market By Product (Bone growth stimulation devices, Bone

Morphogenetic Proteins (BMP), Platelet-Rich Plasma (PRP)), By Application (Spinal fusion surgeries, Delayed union & nonunion bone fractures, Orthopedic trauma surgeries, Others), By End-use (Hospitals, Specialized Orthopedic Clinics, Home Care Settings, Ambulatory Surgical Centers), and By Region: Global and Regional Industry Overview, Market Intelligence, Comprehensive Analysis, Historical Data, and Forecasts 2025 - 2034-

<https://www.zionmarketresearch.com/report/bone-growth-stimulators-market>

Women's Health Rehabilitation Products Market By Product (Breast Cancer Care, Chronic Pelvic Pain, Orthopedic Care, Prenatal and Postnatal Care, Urinary tract infection, Osteoporosis, Lymphedema, and Others), By Therapy (Hand Therapy, Physical Therapy, Occupational Therapy, Massage Therapy, Chiropractic Therapy, and Others), By Application (Hospitals and Clinics), and By Region: Global and Regional Industry Overview, Market Intelligence, Comprehensive Analysis, Historical Data, and Forecasts 2025 - 2034-<https://www.zionmarketresearch.com/report/women-health-rehabilitation-products-market>

Thrombectomy Devices Market By Type (Mechanical/Fragmentation Thrombectomy Devices, Stent Retrievers, Basket/Brush Retrievers, Coil Retrievers, Aspiration Thrombectomy Devices, Rheolytic/Hydrodynamic Thrombectomy Devices, Ultrasonic Thrombectomy Devices), By Application (Cardiovascular Application, Peripheral Vascular Application, Neurovascular Application), By End User (Hospitals and Surgical Centers, Ambulatory Surgical Centers, Research Laboratories & Academic Institutes, Other End Users), and By Region: Global and Regional Industry Overview, Market Intelligence, Comprehensive Analysis, Historical Data, and Forecasts 2025 - 2034-<https://www.zionmarketresearch.com/report/thrombectomy-devices-market>

Digital Polymerase Chain Reaction Market By Product Type (Digital PCR Instruments, Consumables & Reagents, Software & Services), By Technology (Droplet Digital PCR, Chip-Based Digital PCR, Others), Application (Clinical Diagnostics, Research, Forensics, Others), End User (Academic & Research Organizations, Hospitals & Diagnostic Centers, Pharmaceutical & Biotechnology Companies, Others), and By Region: Global and Regional Industry Overview, Market Intelligence, Comprehensive Analysis, Historical Data, and Forecasts 2025 - 2034-<https://www.zionmarketresearch.com/report/digital-polymerase-chain-reaction-market>

Baby Nail Trimmer Market By Product type (electric and traditional), By Distribution channel (online stores, specialty stores, and hypermarkets) And By Region: - Global and Regional Industry Overview, Market Intelligence, Comprehensive Analysis, Historical Data, and Forecasts, 2024-2032-<https://www.zionmarketresearch.com/report/baby-nail-trimmer-market>

Balloon Angioplasty Market By Product (Normal Balloons, Drug Coated Balloons, Cutting Balloons, Scoring Balloons), By Application (Peripheral Vascular Disease, Coronary Vascular Disease), By End-use (Ambulatory Surgical Centers, Hospitals, Cath Labs), and By Region: Global and Regional Industry Overview, Market Intelligence, Comprehensive Analysis, Historical Data, and Forecasts 2025 - 2034-<https://www.zionmarketresearch.com/report/balloon-angioplasty-market>

Intraoperative Neuromonitoring Market By Product (Systems, Disposables), By Source (Insourced, Outsourced), By Type (Intermittent Monitoring, Continuous Monitoring), and By Region: Global and Regional Industry Overview, Market Intelligence, Comprehensive Analysis, Historical Data, and Forecasts 2025 - 2034-

<https://www.zionmarketresearch.com/report/intraoperative-neuromonitoring-market>

Centesis Catheters Market By Type (large and small bore centesis catheters), By Procedure (paracentesis, thoracentesis, arthrocentesis, and amniocentesis), By Application (palliative care applications, therapeutic applications, and diagnostic applications), By end-users (ambulatory surgical centers, hospitals, and others) And By Region: - Global and Regional Industry Overview, Market Intelligence, Comprehensive Analysis, Historical Data, and Forecasts, 2024-2032-

<https://www.zionmarketresearch.com/report/centesis-catheters-market>

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