

Global Radiopharmaceuticals Market – Products and Applications

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Abstracts

REPORT SYNOPSIS

Rising prevalence of cancer and cardiovascular diseases are the main factors driving the Radiopharmaceuticals market. Technological advancement, elevated healthcare expenditure, prevalence of chronic ailments, increasing geriatric population, rising awareness of Radiopharmaceuticals applications in disease treatment, poor dietary habits, unhealthy lifestyle and increased awareness about the benefits of targeted alpha therapy are some of the other key factors fueling the Radiopharmaceuticals market.

SPECT Radioisotopes constitute the single largest product type in global radiopharmaceuticals market, demand for which is expected to reach US\$2.7 billion in 2019 while Beta Emitters is projected the fastest growing Radiopharmaceuticals product type globally during the analysis period 2018-2025 with a CAGR of 13.7%. Overall market for Radiopharmaceuticals in 2019 is expected to touch US\$6.1 billion.

Research Findings & Coverage

Global research report on Radiopharmaceuticals market, analyzes the market with respect to product types and applications

Radiopharmaceuticals' market size is estimated in this report by product types and applications across all major regions/countries

Recurrent Prostate Cancer Detection by a New PET Radiopharmaceutical

Plate Heat Exchanger Applications Growing

New Therapeutic Radiotracers for Malignant Neuroendocrine Tumors

Copper – A Promising Novel Theranostic Radiopharmaceutical

Key business trends focusing on product innovations/developments, M&As, JVs and other recent industry developments

Major companies profiled – 41

The industry guide includes the contact details for 100 companies

PRODUCT OUTLINE

The market for key product types of Radiopharmaceuticals studied in this report comprise the following:

SPECT Radioisotopes

PET Radioisotopes

Beta Emitters

Alpha Emitters

Other

The report analyzes the market for the following applications of Radiopharmaceuticals:

Oncology

Cardiology

Neurology

Endocrinology

Other

Analysis Period, Units and Growth Rates

The report reviews, analyzes and projects the global Radiopharmaceuticals market for the period 2016-2025 in terms of market value in US\$ and the compound annual growth rates (CAGRs) projected from 2018 through 2025.

Geographic Coverage

North America (The United States and Mexico)

Europe (Germany, United Kingdom, France, Italy, Sweden and Rest of Europe)

Asia-Pacific (Japan, China, India, Australia, South Korea and Rest of Asia-Pacific)

Rest of World (Mexico, Brazil and Other ROW Countries)

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- Alpha Tau Medical Ltd. (Israel)
- Bayer AG (Germany)
- Blue Earth Diagnostics Limited (United Kingdom)
- Bracco Diagnostics, Inc. (United States)

Cardinal Health, Inc. (United States)
Clarity Pharmaceuticals (Australia)
Curium Pharma (France)
Eckert & Ziegler Group (Germany)
Eczacibasi-Monrol (Turkey)
GE Healthcare (United States)
Ion Beam Applications SA (IBA) (Belgium)
Jubilant DraxImage, Inc. dba Jubilant Radiopharma (Canada)
Lantheus Medical Imaging, Inc. (United States)
Life Molecular Imaging GmbH (Germany)
NTP Radioisotopes SOC Ltd. (South Africa)
Orano Med (France)
Siemens Healthineers (Germany)
Telix Pharmaceuticals Limited (Australia)

4. KEY BUSINESS AND PRODUCT TRENDS

Clarity Pharmaceuticals Files ODD Request for ⁶⁴Cu-SARTATE
Theranostic IND Application for ⁶⁴Cu-SARTATE and ⁶⁷Cu-SARTATE Filed by Clarity
Pharmaceuticals
IBA Installs Cyclone 70 Cyclotron System in Cape Town, South Africa
Eckert & Ziegler and Alpha Tau Form Thorium-228 Supply Pact
Varian Installs Cyclotron for ProBeam Proton Therapy System at Sylvester
Comprehensive Cancer Center
Blue Earth Diagnostics Acquired by Bracco Imaging
TCL Eckert & Ziegler BEBIG Healthcare to Produce and Market Tumor Irritation
Devices in China
IBA Installs Cyclone 70 System in Daejeon, South Korea
New Radiopharmaceutical Production Unit Established by EZAG in China
NorthStar Enhances the Production Capacity of Non-Uranium Based Radioisotopes
Swedish Karolinska University Hospital Employs Varian's Bravos Afterloader System for
HDR Brachytherapy Treatment
New Molybdenum-99 Processing Facility Established by NorthStar in Beloit, Wisconsin
Varian Installs Cyclotron for ProBeam Proton Therapy System at King Chulalongkorn
Memorial Hospital in Bangkok
Doctors Hospital in Mexico Installed with New Synthera Platform
Progenics' AI Research Program to Explore Novel Machine Learning Algorithms in
Medical Imaging
DuChemBio to Produce and Market Life Molecular Imaging's NeuraCeq in Philippines

ANSTO's National Research Cyclotron Facility to Manufacture F-18 Radiotracers
US FDA Issues 510(k) Clearance for DOSIsoft's Planet Onco Dose Software
First Clinical Installation of United Imaging's uMI 550 Digital PET/CT System in the United States
Vivos Receives License for Administering IsoPet for Animal Therapy
Launch of IMWG's First Set of New Recommendations for Multiple Myeloma Imaging Techniques
Cancer Treatment Services International Acquired by Varian
Launch of Jubilant Radiopharma
CE Marking for Jubilant DraxImage's RUBY Rubidium Elution System and Proprietary RUBY Consumable Accessories
New Production Method for Medical Imaging Radioisotopes Unveiled by BGN Technologies
Integrated Use of NeuraCeq and PI-2620 Radiotracers for Brain PET Imaging in Thailand
Fujifilm Toyama Chemical Takeover Progenics' Automated Bone Scan Index Product in Japan
Varian Installs Cyclotron for ProBeam Proton Therapy System at Biopolis
New Multi-Room Proton Clinical Research Center of Shandong Cancer Hospital Equipped with Varian ProBeam Proton Therapy System
CyberHeart Acquired by Varian
Cyclone KIUBE Installation Increases ICNAS' Radiopharmaceutical Production
ROTOP to Develop and Commercialize Progenics' 1404 Prostate Cancer Imaging Agent in Europe
Cyclotron for Varian ProBeam Compact Proton Therapy System Installed at Hefei Ion Medical Center
IRAB to Produce Life Molecular Imaging's NeuraCeq and PI-2620 in Barcelona
Orano Med Invests 15 Million Euros to Enhance the Production of Cancer Therapeutic Solutions
Cyclone KIUBE Cyclotron Equipped at Costa Rica University
Coqu?'s Medical Isotope Production Facility Built in Oak Ridge, Tennessee
NorthStar Acquires IBA's Eight Rhodotron TT300 HE Electron Beam Accelerators
INCART to Produce FDG
RadioMedix to Develop Vect-Horus Theranostic Agent for Glioblastoma Multiforme
EZAG Completes Merger of EZB
First Commercial Production of Blue Earth Diagnostics' Axumin in Italy
Health Canada Approves AAA's Lutathera for GEP-NETs Treatment
GE Healthcare Installs PETtrace 880 Cyclotron at KIRAMS
AZEDRA Production Facility in Somerset, New Jersey Acquired by Progenics

Bacon Lab in Argentina Starts Clinical Trials with 18F-PSMA-1007
HUS Imaging to Kick-off FDG Production
Curium to Develop and Commercialize Progenics' PyL Prostate Cancer Imaging Agent in Europe
RadioMedix' 64Cu-Dotatate Receives Fast Track Designation from US FDA
Endocyte Acquired by Novartis
First Commercial Production of Blue Earth Diagnostics' Axumin in France
US FDA Accepted for sNDA Review to Employ Axumin for Glioma Assessment
USPTO Extends Patent Term for Lymphoseek
AAA to Develop and Commercialize Fujifilm Toyama Chemical's FF-10158 for Oncology Indications
CIMEQ to Produce FDG in Cuba
Advanced Nuclear Medicine Ingredients SA Acquired by Telix Pharmaceuticals
US FDA Grants ODD to Employ AlphaMedix for Neuroendocrine Tumor Treatment
Novartis to Broaden RLT platform by Acquiring Endocyte
GMP Production Deal Signed by Telix and RTM for Kidney Imaging
Seibersdorf Laboratories to Produce Telix' Glioblastoma Therapeutics
Telix Pharmaceuticals Joined Forces with Cardinal Health for the Supply of 68Ga-PSMA Kit in US
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Atlab Pharma Purchased by Telix Pharmaceuticals
Life Molecular Imaging is the New Name of Piramal Imaging
Novel Phospholipid Drug Conjugate Co-developed by Collectar and Orano Med
Curium to Develop and Commercialize RadioMedix' 64Cu-Dotatate
US FDA Approves NorthStar's Beloit Manufacturing Facility for RadioGenix System Production
US FDA Issues 510(k) Regulatory Clearance for IsoRay's GammaTile Therapy
US FDA Approves NDA for Progenics' AZEDRA (iobenguane I 131) 555 MBq/mL Injection
RadioMedix to Produce and Supply Next Generation ITG Ge-68 / Ga-68 Generators
Installation of the First New Generation IBA Cyclone KIUBE Cyclotron in Russia
Piramal Imaging Acquired by Alliance Medical
IASON to Produce and Distribute Blue Earth Diagnostics' Axumin in Poland

IBA Cyclone KIUBE 300 has the Highest Production Capacity Ever Reached by a PET Cyclotron

IBA Cyclone 18 Placed in Vault at Muni Seva Ashram in India

Installation of IBA Cyclone 70 System at AZI in United States

AtomExpo Award Received by NTP Radioisotopes

Blue Earth Diagnostics Acquires Selective Global Licensing Rights of Scintomics' rhPSMA-targeted Agents for Cancer Imaging

SWAN Isotopen AG to Produce and Distribute Piramal Imaging's Neuraceq in Switzerland

Curium Re-Introduces Xenon Xe 133 Gas

Cyclopharma's Production and Commercial Operations in France Acquired by Curium Meilleur to Develop and Commercialize Navidea's NAV4694 Imaging Agent

Permanent Shut Down of Canada's National Research Universal

Cyclone 18 at JFE Site Set for Radioisotope Production

Cyclone KIUBE to be Installed at GMS Taichung Production Facility in Taiwan

Positron Pharma to Produce and Distribute Piramal Imaging's Neuraceq Imaging Agent

NorthStar's RadioGenix System Receives US FDA Approval

Advanced Accelerator Applications to Develop and Market F-18-labeled CTT1057

Successful Rigging of Cyclone 18/9 at CNUH in South Korea

Isologic to Distribute IRE-ELiT's Galli Eo 68Ge / 68Ga Generator in Canada

World's First Prostate Cancer Surgery Using Blu Build Cesium-131 Brachytherapy System by MUSC's Hollings Cancer Center

DaTscan, the First Imaging Agent for Parkinsonian Syndrome Diagnosis Approved by Health Canada

Advanced Medical Isotope Corporation Renamed as Vivos Inc.

US FDA Approves AAA's LUTATHERA to Treat Somatostatin Receptor Positive GEP-NETs

Curium, the First and Only Producer in North America Offering 100% LEU TC 99m Generators

Successful Rigging of Cyclone Cyclotrons on Different Continents

US FDA Approves New Pulmonary Indications for Jubilant DraxImage's DRAXIMAGE DTPA Kit

Memorial Sloan Kettering Cancer Center Employs Telix' 89Zr-girentuximab

Patent Application on University of Melbourne's PSMA Prostate Cancer Targeting Agent In-Licensed by Clarity

Cyclone 18 Rigged at CIMEQ in Cuba

US FDA Approves for the Extension of the In-Use Shelf Life of Jubilant DraxImage's DRAXIMAGE MAA

Telix to Develop and Commercialize ANMI's 68Ga-PSMA-11 Kit in US

RadioMedix to Distribute ITG's n.c.a. Lutetium-177 in North America
Triad's US Radiopharmacy Business Acquired by Jubilant Pharma
NNSA and NTP Completes Molybdenum-99 Conversion Project
Cardinal Health to Distribute IRE-ELiT's Galli Eo 68Ge/68Ga Generator in North America
Varian to Distribute Bionix Brachytherapy Applicators in North America
Telix Pharmaceuticals Completed Master Services Agreement with Cyclotek
Sayre Therapeutics to Develop and Commercialize Navidea's Tc 99m Tilmanocept in India
SpePharm AG Launches Navidea's LYMPHOSEEK Tc 99m Tilmanocept
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Cyclone 18 Placed into Vault at INCART
Implementation of 18F-PSMA-1007 on IBA Synthera Platform
Unveiling of IBA's Novel Fixed IFP Cassette at an Expo in Germany
Trasis Joined Forces with Herlev Hospital to Produce 18F NaF and 18F FDOPA on Daily Basis
ANSTO Researchers Developed Novel PET Radiotracer Production Process
Curium, Merger of IBA Molecular and Mallinckrodt Nuclear Medicine LLC
Cardinal Health Purchased Licensing Rights of Navidea's Lymphoseek in North America
University of Missouri Research Reactor to Supply Lutetium 177 to Advanced Accelerator Applications
Health Canada Issues Notice of Compliance to ISOLOGIC Innovative Radiopharmaceuticals for NeuraCeq
All Medrad Intego PET Infusion System Source Administration Sets Recalled by Bayer

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Actinium Pharmaceuticals, Inc. (United States)

Bracco Diagnostics, Inc. (United States)

Cardinal Health, Inc. (United States)

Coqu? Pharma (United States)

Fusion Pharmaceuticals, Inc. (Canada)

GE Healthcare (United States)

Isologic Innovative Radiopharmaceuticals Ltd. (Canada)

Isoray Medical, Inc. (United States)

Jubilant DraxImage, Inc. dba Jubilant Radiopharma (Canada)

Lantheus Medical Imaging, Inc. (United States)

Navidea Biopharmaceuticals, Inc. (United States)

NorthStar Medical Radioisotopes LLC (United States)

Pharmalucence, Inc. (United States)

Progenics Pharmaceuticals, Inc. (United States)

Radiomedix, Inc. (United States)

Vivos, Inc. (United States)

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Alliance Medical Limited (The United Kingdom)

Bayer AG (Germany)

Blue Earth Diagnostics Limited (The United Kingdom)

Curium Pharma (France)

Eckert & Ziegler Group (Germany)

Ion Beam Applications SA (IBA) (Belgium)

IRE - IRE ELiT (Belgium)
Life Molecular Imaging GmbH (Germany)
Medi-Radiopharma Co., Ltd. (Hungary)
National Centre for Nuclear Research Radioisotope Centre POLATOM (Poland)
Orano Med (France)
Siemens Healthineers (Germany)
TRASIS (Belgium)

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- Board of Radiation & Isotope Technology (BRIT) (India)
- China Isotope & Radiation Corporation (CIRC) (China)
- Clarity Pharmaceuticals (Australia)
- FUJIFILM Toyama Chemical Co., Ltd. (Japan)
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