

# **Alpha Emitter Market Size, Trends, Analysis, and Outlook By Diagnostic Products (SPECT (TC-99m, TL-201, GA-67, I-123, Others), PET (F-18, SR-82/RB-82, Others), By Therapeutic Products (Alpha Emitters (RA-223, Others), Beta Emitters (I-131, Y-90, SM-153, Re-186, Lu-117 , Others), Brachytherapy (Cesium-131,Iodine-125,Palladium-103, Iridium-192, Others), By Application (Cardiology, Neurology, Oncology, Thyroid, Lymphoma, Bone Metastasis, Endocrine Tumor, Others), By End-user ( Hospitals & Clinics, Diagnostic Centers, Others), by Region, Country, Segment, and Companies, 2024-2030**

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## **Abstracts**

The global Alpha Emitter market size is poised to register 12.93% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Alpha Emitter market across By Diagnostic Products (SPECT (TC-99m, TL-201, GA-67, I-123, Others), PET (F-18, SR-82/RB-82, Others), By Therapeutic Products (Alpha Emitters (RA-223, Others), Beta Emitters (I-131, Y-90, SM-153, Re-186, Lu-117 , Others), Brachytherapy (Cesium-131,Iodine-125,Palladium-103, Iridium-192, Others), By Application (Cardiology, Neurology, Oncology, Thyroid, Lymphoma, Bone Metastasis, Endocrine Tumor, Others), By End-user ( Hospitals & Clinics, Diagnostic Centers, Others).

The alpha emitter market is witnessing robust growth driven by the increasing

application of alpha emitters in cancer therapy, rising prevalence of cancer, and advancements in targeted radionuclide therapy. In 2024 and beyond, factors such as the growing adoption of alpha-emitting radiopharmaceuticals for metastatic bone cancer and neuroendocrine tumors, expansion of clinical trials for alpha therapy, and rising investment in alpha particle research drive market expansion. Additionally, the development of novel alpha emitters with improved targeting and retention properties, integration of alpha therapy with chemotherapy and immunotherapy, and partnerships between radiopharmaceutical companies and cancer research institutes contribute to market growth.

### Alpha Emitter Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The Alpha Emitter market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Alpha Emitter survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the Alpha Emitter industry.

### Key market trends defining the global Alpha Emitter demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

### Alpha Emitter Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The Alpha Emitter industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support Alpha Emitter companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

### Key strategies adopted by companies within the Alpha Emitter industry

Leading Alpha Emitter companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 Alpha Emitter companies.

### Alpha Emitter Market Study- Strategic Analysis Review

The Alpha Emitter market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

**Industry Dynamics:** Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

**Strategic Insights:** Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

**Internal Strengths and Weaknesses:** Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

**Future Possibilities:** Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

### Alpha Emitter Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Alpha Emitter industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

### Alpha Emitter Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

## North America Alpha Emitter Market Size Outlook- Companies plan for focused investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various Alpha Emitter market segments. Similarly, Strong end-user demand is encouraging Canadian Alpha Emitter companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico Alpha Emitter market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

## Europe Alpha Emitter Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Alpha Emitter industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European Alpha Emitter market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

## Asia Pacific Alpha Emitter Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for Alpha Emitter in Asia Pacific. In particular, China, India, and South East Asian Alpha Emitter markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews

with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

Latin America Alpha Emitter Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa Alpha Emitter Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East Alpha Emitter market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Alpha Emitter.

Alpha Emitter Market Company Profiles

The global Alpha Emitter market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Actinium Pharmaceutical Inc, Alpha Tau Medical Ltd, Bayer AG, Fusion Pharmaceuticals, IBA Radiopharma Solutions, RadioMedix Inc, Telix Pharmaceuticals Ltd

Recent Alpha Emitter Market Developments

The global Alpha Emitter market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

Alpha Emitter Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

## Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

## Market Segmentation:

By Diagnostic Products

SPECT

TC-99m

TL-201

GA-67

I-123

Others

PET

F-18

SR-82/RB-82

Others

By Therapeutic Products

Alpha Emitters

RA-223

Others

Beta Emitters

I-131

Y-90

SM-153

Re-186

Lu-117

Others

Brachytherapy

Cesium-131

Iodine-125

Palladium-103

Iridium-192

Others

By Application

Cardiology

Neurology

Oncology

Thyroid

Lymphoma

Bone Metastasis

Endocrine Tumor

Others

By End-user

Hospitals & Clinics

Diagnostic Centers

Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)



## Middle East Africa (5 markets)

### Companies

Actinium Pharmaceutical Inc

Alpha Tau Medical Ltd

Bayer AG

Fusion Pharmaceuticals

IBA Radiopharma Solutions

RadioMedix Inc

Telix Pharmaceuticals Ltd

Formats Available: Excel, PDF, and PPT

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    - TC-99m
    - TL-201

GA-67

I-123

Others

PET

F-18

SR-82/RB-82

Others

By Therapeutic Products

Alpha Emitters

RA-223

Others

Beta Emitters

I-131

Y-90

SM-153

Re-186

Lu-117

Others

Brachytherapy

Cesium-131

Iodine-125

Palladium-103

Iridium-192

Others

By Application

Cardiology

Neurology

Oncology

Thyroid

Lymphoma

Bone Metastasis

Endocrine Tumor

Others

By End-user

Hospitals & Clinics

Diagnostic Centers

Others

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