

# Global Radiochemistry PET Cyclotron Market Growth 2023-2029

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# **Abstracts**

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According to our (LP Info Research) latest study, the global Radiochemistry PET Cyclotron market size was valued at US\$ million in 2022. With growing demand in downstream market and recovery from influence of COVID-19 and the Russia-Ukraine War, the Radiochemistry PET Cyclotron is forecast to a readjusted size of US\$ million by 2029 with a CAGR of % during review period.

The research report highlights the growth potential of the global Radiochemistry PET Cyclotron market. With recovery from influence of COVID-19 and the Russia-Ukraine War, Radiochemistry PET Cyclotron are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Radiochemistry PET Cyclotron. Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Radiochemistry PET Cyclotron market.

A Radiochemistry PET Cyclotron is a specialized type of particle accelerator used in the production of positron-emitting radionuclides for use in positron emission tomography (PET) imaging. PET is a nuclear medicine imaging technique that provides detailed information about the functioning of organs and tissues in the body.

PET cyclotrons are essential in the production of short-lived positron-emitting radionuclides, such as fluorine-18 (F-18), carbon-11 (C-11), and nitrogen-13 (N-13), which have relatively short half-lives. The short half-lives mean that these radionuclides decay rapidly, making it essential to produce them on-site at medical facilities where



# PET imaging is performed.

The use of on-site cyclotrons for PET radionuclide production allows for a continuous supply of radiopharmaceuticals, which is crucial for conducting PET imaging studies in real-time and ensuring that patients receive fresh radiotracers for accurate and high-quality PET scans.

The radiopharmaceuticals market had been experiencing steady growth and significant interest due to the increasing use of nuclear medicine procedures for diagnostic and therapeutic purposes. Radiopharmaceuticals are essential tools in nuclear medicine, and they play a crucial role in diagnosing various diseases, such as cancer, cardiovascular conditions, and neurological disorders.

The radiopharmaceuticals market had been growing steadily over the years. Factors contributing to this growth include advancements in radiopharmaceutical development, rising prevalence of cancer and cardiovascular diseases, and an aging population that drives the demand for diagnostic procedures.

### Key Features:

The report on Radiochemistry PET Cyclotron market reflects various aspects and provide valuable insights into the industry.

Market Size and Growth: The research report provide an overview of the current size and growth of the Radiochemistry PET Cyclotron market. It may include historical data, market segmentation by Type (e.g., Low-Energy Cyclotrons, Medium-Energy Cyclotrons), and regional breakdowns.

Market Drivers and Challenges: The report can identify and analyse the factors driving the growth of the Radiochemistry PET Cyclotron market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

Competitive Landscape: The research report provides analysis of the competitive landscape within the Radiochemistry PET Cyclotron market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.



Technological Developments: The research report can delve into the latest technological developments in the Radiochemistry PET Cyclotron industry. This include advancements in Radiochemistry PET Cyclotron technology, Radiochemistry PET Cyclotron new entrants, Radiochemistry PET Cyclotron new investment, and other innovations that are shaping the future of Radiochemistry PET Cyclotron.

Downstream Procumbent Preference: The report can shed light on customer procumbent behaviour and adoption trends in the Radiochemistry PET Cyclotron market. It includes factors influencing customer ' purchasing decisions, preferences for Radiochemistry PET Cyclotron product.

Government Policies and Incentives: The research report analyse the impact of government policies and incentives on the Radiochemistry PET Cyclotron market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Radiochemistry PET Cyclotron market. The report also evaluates the effectiveness of these policies in driving market growth.

Environmental Impact and Sustainability: The research report assess the environmental impact and sustainability aspects of the Radiochemistry PET Cyclotron market.

Market Forecasts and Future Outlook: Based on the analysis conducted, the research report provide market forecasts and outlook for the Radiochemistry PET Cyclotron industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

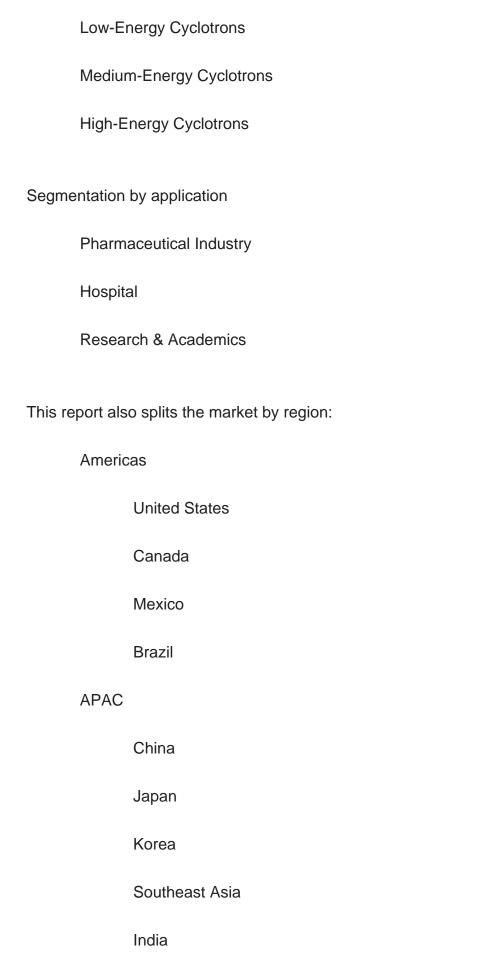
Recommendations and Opportunities: The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Radiochemistry PET Cyclotron market.

#### Market Segmentation:

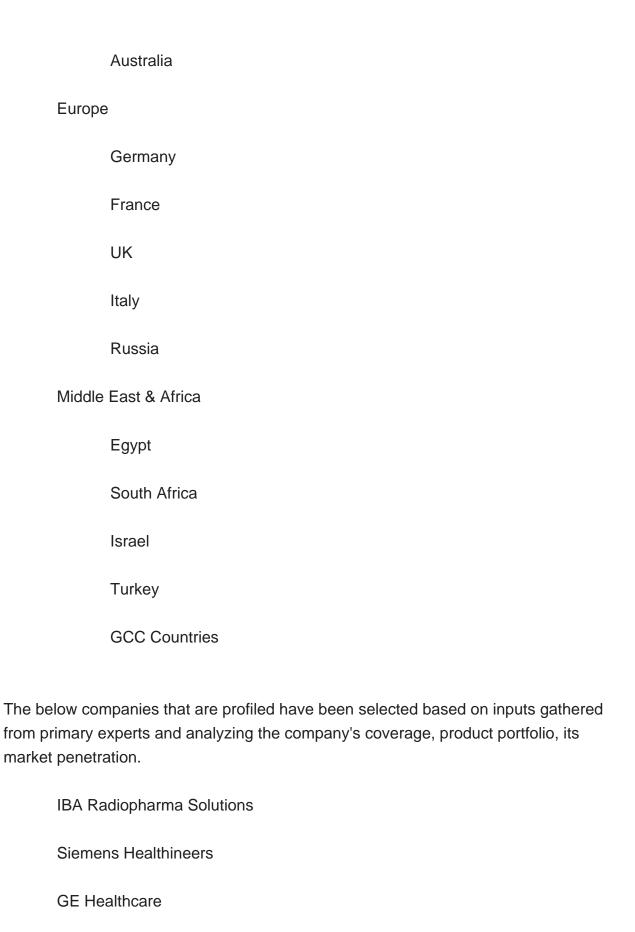
Radiochemistry PET Cyclotron market is split by Type and by Application. For the period 2018-2029, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Segmentation by type









Advanced Cyclotron Systems (ACSI)



Sumitomo Heavy Industries

Best Cyclotron Systems

**Ionetix Corporation** 

isoSolution

Key Questions Addressed in this Report

What is the 10-year outlook for the global Radiochemistry PET Cyclotron market?

What factors are driving Radiochemistry PET Cyclotron market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Radiochemistry PET Cyclotron market opportunities vary by end market size?

How does Radiochemistry PET Cyclotron break out type, application?

What are the influences of COVID-19 and Russia-Ukraine war?



# **Contents**

# 1 SCOPE OF THE REPORT

- 1.1 Market Introduction
- 1.2 Years Considered
- 1.3 Research Objectives
- 1.4 Market Research Methodology
- 1.5 Research Process and Data Source
- 1.6 Economic Indicators
- 1.7 Currency Considered
- 1.8 Market Estimation Caveats

#### **2 EXECUTIVE SUMMARY**

- 2.1 World Market Overview
  - 2.1.1 Global Radiochemistry PET Cyclotron Annual Sales 2018-2029
- 2.1.2 World Current & Future Analysis for Radiochemistry PET Cyclotron by Geographic Region, 2018, 2022 & 2029
- 2.1.3 World Current & Future Analysis for Radiochemistry PET Cyclotron by Country/Region, 2018, 2022 & 2029
- 2.2 Radiochemistry PET Cyclotron Segment by Type
  - 2.2.1 Low-Energy Cyclotrons
  - 2.2.2 Medium-Energy Cyclotrons
  - 2.2.3 High-Energy Cyclotrons
- 2.3 Radiochemistry PET Cyclotron Sales by Type
  - 2.3.1 Global Radiochemistry PET Cyclotron Sales Market Share by Type (2018-2023)
- 2.3.2 Global Radiochemistry PET Cyclotron Revenue and Market Share by Type (2018-2023)
  - 2.3.3 Global Radiochemistry PET Cyclotron Sale Price by Type (2018-2023)
- 2.4 Radiochemistry PET Cyclotron Segment by Application
  - 2.4.1 Pharmaceutical Industry
  - 2.4.2 Hospital
  - 2.4.3 Research & Academics
- 2.5 Radiochemistry PET Cyclotron Sales by Application
- 2.5.1 Global Radiochemistry PET Cyclotron Sale Market Share by Application (2018-2023)
- 2.5.2 Global Radiochemistry PET Cyclotron Revenue and Market Share by Application (2018-2023)



2.5.3 Global Radiochemistry PET Cyclotron Sale Price by Application (2018-2023)

#### 3 GLOBAL RADIOCHEMISTRY PET CYCLOTRON BY COMPANY

- 3.1 Global Radiochemistry PET Cyclotron Breakdown Data by Company
  - 3.1.1 Global Radiochemistry PET Cyclotron Annual Sales by Company (2018-2023)
- 3.1.2 Global Radiochemistry PET Cyclotron Sales Market Share by Company (2018-2023)
- 3.2 Global Radiochemistry PET Cyclotron Annual Revenue by Company (2018-2023)
  - 3.2.1 Global Radiochemistry PET Cyclotron Revenue by Company (2018-2023)
- 3.2.2 Global Radiochemistry PET Cyclotron Revenue Market Share by Company (2018-2023)
- 3.3 Global Radiochemistry PET Cyclotron Sale Price by Company
- 3.4 Key Manufacturers Radiochemistry PET Cyclotron Producing Area Distribution, Sales Area, Product Type
  - 3.4.1 Key Manufacturers Radiochemistry PET Cyclotron Product Location Distribution
  - 3.4.2 Players Radiochemistry PET Cyclotron Products Offered
- 3.5 Market Concentration Rate Analysis
  - 3.5.1 Competition Landscape Analysis
  - 3.5.2 Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)
- 3.6 New Products and Potential Entrants
- 3.7 Mergers & Acquisitions, Expansion

# 4 WORLD HISTORIC REVIEW FOR RADIOCHEMISTRY PET CYCLOTRON BY GEOGRAPHIC REGION

- 4.1 World Historic Radiochemistry PET Cyclotron Market Size by Geographic Region (2018-2023)
- 4.1.1 Global Radiochemistry PET Cyclotron Annual Sales by Geographic Region (2018-2023)
- 4.1.2 Global Radiochemistry PET Cyclotron Annual Revenue by Geographic Region (2018-2023)
- 4.2 World Historic Radiochemistry PET Cyclotron Market Size by Country/Region (2018-2023)
- 4.2.1 Global Radiochemistry PET Cyclotron Annual Sales by Country/Region (2018-2023)
- 4.2.2 Global Radiochemistry PET Cyclotron Annual Revenue by Country/Region (2018-2023)
- 4.3 Americas Radiochemistry PET Cyclotron Sales Growth



- 4.4 APAC Radiochemistry PET Cyclotron Sales Growth
- 4.5 Europe Radiochemistry PET Cyclotron Sales Growth
- 4.6 Middle East & Africa Radiochemistry PET Cyclotron Sales Growth

#### **5 AMERICAS**

- 5.1 Americas Radiochemistry PET Cyclotron Sales by Country
  - 5.1.1 Americas Radiochemistry PET Cyclotron Sales by Country (2018-2023)
  - 5.1.2 Americas Radiochemistry PET Cyclotron Revenue by Country (2018-2023)
- 5.2 Americas Radiochemistry PET Cyclotron Sales by Type
- 5.3 Americas Radiochemistry PET Cyclotron Sales by Application
- 5.4 United States
- 5.5 Canada
- 5.6 Mexico
- 5.7 Brazil

#### 6 APAC

- 6.1 APAC Radiochemistry PET Cyclotron Sales by Region
  - 6.1.1 APAC Radiochemistry PET Cyclotron Sales by Region (2018-2023)
  - 6.1.2 APAC Radiochemistry PET Cyclotron Revenue by Region (2018-2023)
- 6.2 APAC Radiochemistry PET Cyclotron Sales by Type
- 6.3 APAC Radiochemistry PET Cyclotron Sales by Application
- 6.4 China
- 6.5 Japan
- 6.6 South Korea
- 6.7 Southeast Asia
- 6.8 India
- 6.9 Australia
- 6.10 China Taiwan

#### **7 EUROPE**

- 7.1 Europe Radiochemistry PET Cyclotron by Country
  - 7.1.1 Europe Radiochemistry PET Cyclotron Sales by Country (2018-2023)
  - 7.1.2 Europe Radiochemistry PET Cyclotron Revenue by Country (2018-2023)
- 7.2 Europe Radiochemistry PET Cyclotron Sales by Type
- 7.3 Europe Radiochemistry PET Cyclotron Sales by Application
- 7.4 Germany



- 7.5 France
- 7.6 UK
- 7.7 Italy
- 7.8 Russia

#### **8 MIDDLE EAST & AFRICA**

- 8.1 Middle East & Africa Radiochemistry PET Cyclotron by Country
- 8.1.1 Middle East & Africa Radiochemistry PET Cyclotron Sales by Country (2018-2023)
- 8.1.2 Middle East & Africa Radiochemistry PET Cyclotron Revenue by Country (2018-2023)
- 8.2 Middle East & Africa Radiochemistry PET Cyclotron Sales by Type
- 8.3 Middle East & Africa Radiochemistry PET Cyclotron Sales by Application
- 8.4 Egypt
- 8.5 South Africa
- 8.6 Israel
- 8.7 Turkey
- 8.8 GCC Countries

#### 9 MARKET DRIVERS, CHALLENGES AND TRENDS

- 9.1 Market Drivers & Growth Opportunities
- 9.2 Market Challenges & Risks
- 9.3 Industry Trends

#### 10 MANUFACTURING COST STRUCTURE ANALYSIS

- 10.1 Raw Material and Suppliers
- 10.2 Manufacturing Cost Structure Analysis of Radiochemistry PET Cyclotron
- 10.3 Manufacturing Process Analysis of Radiochemistry PET Cyclotron
- 10.4 Industry Chain Structure of Radiochemistry PET Cyclotron

# 11 MARKETING, DISTRIBUTORS AND CUSTOMER

- 11.1 Sales Channel
  - 11.1.1 Direct Channels
  - 11.1.2 Indirect Channels
- 11.2 Radiochemistry PET Cyclotron Distributors



# 11.3 Radiochemistry PET Cyclotron Customer

# 12 WORLD FORECAST REVIEW FOR RADIOCHEMISTRY PET CYCLOTRON BY GEOGRAPHIC REGION

- 12.1 Global Radiochemistry PET Cyclotron Market Size Forecast by Region
- 12.1.1 Global Radiochemistry PET Cyclotron Forecast by Region (2024-2029)
- 12.1.2 Global Radiochemistry PET Cyclotron Annual Revenue Forecast by Region (2024-2029)
- 12.2 Americas Forecast by Country
- 12.3 APAC Forecast by Region
- 12.4 Europe Forecast by Country
- 12.5 Middle East & Africa Forecast by Country
- 12.6 Global Radiochemistry PET Cyclotron Forecast by Type
- 12.7 Global Radiochemistry PET Cyclotron Forecast by Application

#### 13 KEY PLAYERS ANALYSIS

- 13.1 IBA Radiopharma Solutions
- 13.1.1 IBA Radiopharma Solutions Company Information
- 13.1.2 IBA Radiopharma Solutions Radiochemistry PET Cyclotron Product Portfolios and Specifications
- 13.1.3 IBA Radiopharma Solutions Radiochemistry PET Cyclotron Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.1.4 IBA Radiopharma Solutions Main Business Overview
  - 13.1.5 IBA Radiopharma Solutions Latest Developments
- 13.2 Siemens Healthineers
  - 13.2.1 Siemens Healthineers Company Information
- 13.2.2 Siemens Healthineers Radiochemistry PET Cyclotron Product Portfolios and Specifications
- 13.2.3 Siemens Healthineers Radiochemistry PET Cyclotron Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.2.4 Siemens Healthineers Main Business Overview
  - 13.2.5 Siemens Healthineers Latest Developments
- 13.3 GE Healthcare
  - 13.3.1 GE Healthcare Company Information
- 13.3.2 GE Healthcare Radiochemistry PET Cyclotron Product Portfolios and Specifications
  - 13.3.3 GE Healthcare Radiochemistry PET Cyclotron Sales, Revenue, Price and



# Gross Margin (2018-2023)

- 13.3.4 GE Healthcare Main Business Overview
- 13.3.5 GE Healthcare Latest Developments
- 13.4 Advanced Cyclotron Systems (ACSI)
- 13.4.1 Advanced Cyclotron Systems (ACSI) Company Information
- 13.4.2 Advanced Cyclotron Systems (ACSI) Radiochemistry PET Cyclotron Product Portfolios and Specifications
- 13.4.3 Advanced Cyclotron Systems (ACSI) Radiochemistry PET Cyclotron Sales, Revenue, Price and Gross Margin (2018-2023)
- 13.4.4 Advanced Cyclotron Systems (ACSI) Main Business Overview
- 13.4.5 Advanced Cyclotron Systems (ACSI) Latest Developments
- 13.5 Sumitomo Heavy Industries
  - 13.5.1 Sumitomo Heavy Industries Company Information
- 13.5.2 Sumitomo Heavy Industries Radiochemistry PET Cyclotron Product Portfolios and Specifications
- 13.5.3 Sumitomo Heavy Industries Radiochemistry PET Cyclotron Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.5.4 Sumitomo Heavy Industries Main Business Overview
  - 13.5.5 Sumitomo Heavy Industries Latest Developments
- 13.6 Best Cyclotron Systems
  - 13.6.1 Best Cyclotron Systems Company Information
- 13.6.2 Best Cyclotron Systems Radiochemistry PET Cyclotron Product Portfolios and Specifications
- 13.6.3 Best Cyclotron Systems Radiochemistry PET Cyclotron Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.6.4 Best Cyclotron Systems Main Business Overview
  - 13.6.5 Best Cyclotron Systems Latest Developments
- 13.7 Ionetix Corporation
  - 13.7.1 Ionetix Corporation Company Information
- 13.7.2 Ionetix Corporation Radiochemistry PET Cyclotron Product Portfolios and Specifications
- 13.7.3 Ionetix Corporation Radiochemistry PET Cyclotron Sales, Revenue, Price and Gross Margin (2018-2023)
  - 13.7.4 Ionetix Corporation Main Business Overview
  - 13.7.5 Ionetix Corporation Latest Developments
- 13.8 isoSolution
  - 13.8.1 isoSolution Company Information
- 13.8.2 isoSolution Radiochemistry PET Cyclotron Product Portfolios and Specifications
- 13.8.3 isoSolution Radiochemistry PET Cyclotron Sales, Revenue, Price and Gross



Margin (2018-2023)
13.8.4 isoSolution Main Business Overview
13.8.5 isoSolution Latest Developments

# 14 RESEARCH FINDINGS AND CONCLUSION



# **List Of Tables**

#### LIST OF TABLES

- Table 1. Radiochemistry PET Cyclotron Annual Sales CAGR by Geographic Region (2018, 2022 & 2029) & (\$ millions)
- Table 2. Radiochemistry PET Cyclotron Annual Sales CAGR by Country/Region (2018, 2022 & 2029) & (\$ millions)
- Table 3. Major Players of Low-Energy Cyclotrons
- Table 4. Major Players of Medium-Energy Cyclotrons
- Table 5. Major Players of High-Energy Cyclotrons
- Table 6. Global Radiochemistry PET Cyclotron Sales by Type (2018-2023) & (Units)
- Table 7. Global Radiochemistry PET Cyclotron Sales Market Share by Type (2018-2023)
- Table 8. Global Radiochemistry PET Cyclotron Revenue by Type (2018-2023) & (\$ million)
- Table 9. Global Radiochemistry PET Cyclotron Revenue Market Share by Type (2018-2023)
- Table 10. Global Radiochemistry PET Cyclotron Sale Price by Type (2018-2023) & (K US\$/Unit)
- Table 11. Global Radiochemistry PET Cyclotron Sales by Application (2018-2023) & (Units)
- Table 12. Global Radiochemistry PET Cyclotron Sales Market Share by Application (2018-2023)
- Table 13. Global Radiochemistry PET Cyclotron Revenue by Application (2018-2023)
- Table 14. Global Radiochemistry PET Cyclotron Revenue Market Share by Application (2018-2023)
- Table 15. Global Radiochemistry PET Cyclotron Sale Price by Application (2018-2023) & (K US\$/Unit)
- Table 16. Global Radiochemistry PET Cyclotron Sales by Company (2018-2023) & (Units)
- Table 17. Global Radiochemistry PET Cyclotron Sales Market Share by Company (2018-2023)
- Table 18. Global Radiochemistry PET Cyclotron Revenue by Company (2018-2023) (\$ Millions)
- Table 19. Global Radiochemistry PET Cyclotron Revenue Market Share by Company (2018-2023)
- Table 20. Global Radiochemistry PET Cyclotron Sale Price by Company (2018-2023) & (K US\$/Unit)



- Table 21. Key Manufacturers Radiochemistry PET Cyclotron Producing Area Distribution and Sales Area
- Table 22. Players Radiochemistry PET Cyclotron Products Offered
- Table 23. Radiochemistry PET Cyclotron Concentration Ratio (CR3, CR5 and CR10) & (2018-2023)
- Table 24. New Products and Potential Entrants
- Table 25. Mergers & Acquisitions, Expansion
- Table 26. Global Radiochemistry PET Cyclotron Sales by Geographic Region (2018-2023) & (Units)
- Table 27. Global Radiochemistry PET Cyclotron Sales Market Share Geographic Region (2018-2023)
- Table 28. Global Radiochemistry PET Cyclotron Revenue by Geographic Region (2018-2023) & (\$ millions)
- Table 29. Global Radiochemistry PET Cyclotron Revenue Market Share by Geographic Region (2018-2023)
- Table 30. Global Radiochemistry PET Cyclotron Sales by Country/Region (2018-2023) & (Units)
- Table 31. Global Radiochemistry PET Cyclotron Sales Market Share by Country/Region (2018-2023)
- Table 32. Global Radiochemistry PET Cyclotron Revenue by Country/Region (2018-2023) & (\$ millions)
- Table 33. Global Radiochemistry PET Cyclotron Revenue Market Share by Country/Region (2018-2023)
- Table 34. Americas Radiochemistry PET Cyclotron Sales by Country (2018-2023) & (Units)
- Table 35. Americas Radiochemistry PET Cyclotron Sales Market Share by Country (2018-2023)
- Table 36. Americas Radiochemistry PET Cyclotron Revenue by Country (2018-2023) & (\$ Millions)
- Table 37. Americas Radiochemistry PET Cyclotron Revenue Market Share by Country (2018-2023)
- Table 38. Americas Radiochemistry PET Cyclotron Sales by Type (2018-2023) & (Units)
- Table 39. Americas Radiochemistry PET Cyclotron Sales by Application (2018-2023) & (Units)
- Table 40. APAC Radiochemistry PET Cyclotron Sales by Region (2018-2023) & (Units)
- Table 41. APAC Radiochemistry PET Cyclotron Sales Market Share by Region (2018-2023)
- Table 42. APAC Radiochemistry PET Cyclotron Revenue by Region (2018-2023) & (\$



# Millions)

- Table 43. APAC Radiochemistry PET Cyclotron Revenue Market Share by Region (2018-2023)
- Table 44. APAC Radiochemistry PET Cyclotron Sales by Type (2018-2023) & (Units)
- Table 45. APAC Radiochemistry PET Cyclotron Sales by Application (2018-2023) & (Units)
- Table 46. Europe Radiochemistry PET Cyclotron Sales by Country (2018-2023) & (Units)
- Table 47. Europe Radiochemistry PET Cyclotron Sales Market Share by Country (2018-2023)
- Table 48. Europe Radiochemistry PET Cyclotron Revenue by Country (2018-2023) & (\$ Millions)
- Table 49. Europe Radiochemistry PET Cyclotron Revenue Market Share by Country (2018-2023)
- Table 50. Europe Radiochemistry PET Cyclotron Sales by Type (2018-2023) & (Units)
- Table 51. Europe Radiochemistry PET Cyclotron Sales by Application (2018-2023) & (Units)
- Table 52. Middle East & Africa Radiochemistry PET Cyclotron Sales by Country (2018-2023) & (Units)
- Table 53. Middle East & Africa Radiochemistry PET Cyclotron Sales Market Share by Country (2018-2023)
- Table 54. Middle East & Africa Radiochemistry PET Cyclotron Revenue by Country (2018-2023) & (\$ Millions)
- Table 55. Middle East & Africa Radiochemistry PET Cyclotron Revenue Market Share by Country (2018-2023)
- Table 56. Middle East & Africa Radiochemistry PET Cyclotron Sales by Type (2018-2023) & (Units)
- Table 57. Middle East & Africa Radiochemistry PET Cyclotron Sales by Application (2018-2023) & (Units)
- Table 58. Key Market Drivers & Growth Opportunities of Radiochemistry PET Cyclotron
- Table 59. Key Market Challenges & Risks of Radiochemistry PET Cyclotron
- Table 60. Key Industry Trends of Radiochemistry PET Cyclotron
- Table 61. Radiochemistry PET Cyclotron Raw Material
- Table 62. Key Suppliers of Raw Materials
- Table 63. Radiochemistry PET Cyclotron Distributors List
- Table 64. Radiochemistry PET Cyclotron Customer List
- Table 65. Global Radiochemistry PET Cyclotron Sales Forecast by Region (2024-2029) & (Units)
- Table 66. Global Radiochemistry PET Cyclotron Revenue Forecast by Region



(2024-2029) & (\$ millions)

Table 67. Americas Radiochemistry PET Cyclotron Sales Forecast by Country (2024-2029) & (Units)

Table 68. Americas Radiochemistry PET Cyclotron Revenue Forecast by Country (2024-2029) & (\$ millions)

Table 69. APAC Radiochemistry PET Cyclotron Sales Forecast by Region (2024-2029) & (Units)

Table 70. APAC Radiochemistry PET Cyclotron Revenue Forecast by Region (2024-2029) & (\$ millions)

Table 71. Europe Radiochemistry PET Cyclotron Sales Forecast by Country (2024-2029) & (Units)

Table 72. Europe Radiochemistry PET Cyclotron Revenue Forecast by Country (2024-2029) & (\$ millions)

Table 73. Middle East & Africa Radiochemistry PET Cyclotron Sales Forecast by Country (2024-2029) & (Units)

Table 74. Middle East & Africa Radiochemistry PET Cyclotron Revenue Forecast by Country (2024-2029) & (\$ millions)

Table 75. Global Radiochemistry PET Cyclotron Sales Forecast by Type (2024-2029) & (Units)

Table 76. Global Radiochemistry PET Cyclotron Revenue Forecast by Type (2024-2029) & (\$ Millions)

Table 77. Global Radiochemistry PET Cyclotron Sales Forecast by Application (2024-2029) & (Units)

Table 78. Global Radiochemistry PET Cyclotron Revenue Forecast by Application (2024-2029) & (\$ Millions)

Table 79. IBA Radiopharma Solutions Basic Information, Radiochemistry PET Cyclotron Manufacturing Base, Sales Area and Its Competitors

Table 80. IBA Radiopharma Solutions Radiochemistry PET Cyclotron Product Portfolios and Specifications

Table 81. IBA Radiopharma Solutions Radiochemistry PET Cyclotron Sales (Units),

Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)

Table 82. IBA Radiopharma Solutions Main Business

Table 83. IBA Radiopharma Solutions Latest Developments

Table 84. Siemens Healthineers Basic Information, Radiochemistry PET Cyclotron Manufacturing Base, Sales Area and Its Competitors

Table 85. Siemens Healthineers Radiochemistry PET Cyclotron Product Portfolios and Specifications

Table 86. Siemens Healthineers Radiochemistry PET Cyclotron Sales (Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)



Table 87. Siemens Healthineers Main Business

Table 88. Siemens Healthineers Latest Developments

Table 89. GE Healthcare Basic Information, Radiochemistry PET Cyclotron

Manufacturing Base, Sales Area and Its Competitors

Table 90. GE Healthcare Radiochemistry PET Cyclotron Product Portfolios and Specifications

Table 91. GE Healthcare Radiochemistry PET Cyclotron Sales (Units), Revenue (\$

Million), Price (K US\$/Unit) and Gross Margin (2018-2023)

Table 92. GE Healthcare Main Business

Table 93. GE Healthcare Latest Developments

Table 94. Advanced Cyclotron Systems (ACSI) Basic Information, Radiochemistry PET

Cyclotron Manufacturing Base, Sales Area and Its Competitors

Table 95. Advanced Cyclotron Systems (ACSI) Radiochemistry PET Cyclotron Product Portfolios and Specifications

Table 96. Advanced Cyclotron Systems (ACSI) Radiochemistry PET Cyclotron Sales

(Units), Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)

Table 97. Advanced Cyclotron Systems (ACSI) Main Business

Table 98. Advanced Cyclotron Systems (ACSI) Latest Developments

Table 99. Sumitomo Heavy Industries Basic Information, Radiochemistry PET Cyclotron

Manufacturing Base, Sales Area and Its Competitors

Table 100. Sumitomo Heavy Industries Radiochemistry PET Cyclotron Product Portfolios and Specifications

Table 101. Sumitomo Heavy Industries Radiochemistry PET Cyclotron Sales (Units),

Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)

Table 102. Sumitomo Heavy Industries Main Business

Table 103. Sumitomo Heavy Industries Latest Developments

Table 104. Best Cyclotron Systems Basic Information, Radiochemistry PET Cyclotron

Manufacturing Base, Sales Area and Its Competitors

Table 105. Best Cyclotron Systems Radiochemistry PET Cyclotron Product Portfolios and Specifications

Table 106. Best Cyclotron Systems Radiochemistry PET Cyclotron Sales (Units),

Revenue (\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)

Table 107. Best Cyclotron Systems Main Business

Table 108. Best Cyclotron Systems Latest Developments

Table 109. Ionetix Corporation Basic Information, Radiochemistry PET Cyclotron

Manufacturing Base, Sales Area and Its Competitors

Table 110. Ionetix Corporation Radiochemistry PET Cyclotron Product Portfolios and Specifications

Table 111. Ionetix Corporation Radiochemistry PET Cyclotron Sales (Units), Revenue



(\$ Million), Price (K US\$/Unit) and Gross Margin (2018-2023)

Table 112. Ionetix Corporation Main Business

Table 113. Ionetix Corporation Latest Developments

Table 114. isoSolution Basic Information, Radiochemistry PET Cyclotron Manufacturing

Base, Sales Area and Its Competitors

Table 115. isoSolution Radiochemistry PET Cyclotron Product Portfolios and

Specifications

Table 116. isoSolution Radiochemistry PET Cyclotron Sales (Units), Revenue (\$

Million), Price (K US\$/Unit) and Gross Margin (2018-2023)

Table 117. isoSolution Main Business

Table 118. isoSolution Latest Developments



# **List Of Figures**

#### **LIST OF FIGURES**

- Figure 1. Picture of Radiochemistry PET Cyclotron
- Figure 2. Radiochemistry PET Cyclotron Report Years Considered
- Figure 3. Research Objectives
- Figure 4. Research Methodology
- Figure 5. Research Process and Data Source
- Figure 6. Global Radiochemistry PET Cyclotron Sales Growth Rate 2018-2029 (Units)
- Figure 7. Global Radiochemistry PET Cyclotron Revenue Growth Rate 2018-2029 (\$ Millions)
- Figure 8. Radiochemistry PET Cyclotron Sales by Region (2018, 2022 & 2029) & (\$ Millions)
- Figure 9. Product Picture of Low-Energy Cyclotrons
- Figure 10. Product Picture of Medium-Energy Cyclotrons
- Figure 11. Product Picture of High-Energy Cyclotrons
- Figure 12. Global Radiochemistry PET Cyclotron Sales Market Share by Type in 2022
- Figure 13. Global Radiochemistry PET Cyclotron Revenue Market Share by Type (2018-2023)
- Figure 14. Radiochemistry PET Cyclotron Consumed in Pharmaceutical Industry
- Figure 15. Global Radiochemistry PET Cyclotron Market: Pharmaceutical Industry (2018-2023) & (Units)
- Figure 16. Radiochemistry PET Cyclotron Consumed in Hospital
- Figure 17. Global Radiochemistry PET Cyclotron Market: Hospital (2018-2023) & (Units)
- Figure 18. Radiochemistry PET Cyclotron Consumed in Research & Academics
- Figure 19. Global Radiochemistry PET Cyclotron Market: Research & Academics (2018-2023) & (Units)
- Figure 20. Global Radiochemistry PET Cyclotron Sales Market Share by Application (2022)
- Figure 21. Global Radiochemistry PET Cyclotron Revenue Market Share by Application in 2022
- Figure 22. Radiochemistry PET Cyclotron Sales Market by Company in 2022 (Units)
- Figure 23. Global Radiochemistry PET Cyclotron Sales Market Share by Company in 2022
- Figure 24. Radiochemistry PET Cyclotron Revenue Market by Company in 2022 (\$ Million)
- Figure 25. Global Radiochemistry PET Cyclotron Revenue Market Share by Company in 2022



- Figure 26. Global Radiochemistry PET Cyclotron Sales Market Share by Geographic Region (2018-2023)
- Figure 27. Global Radiochemistry PET Cyclotron Revenue Market Share by Geographic Region in 2022
- Figure 28. Americas Radiochemistry PET Cyclotron Sales 2018-2023 (Units)
- Figure 29. Americas Radiochemistry PET Cyclotron Revenue 2018-2023 (\$ Millions)
- Figure 30. APAC Radiochemistry PET Cyclotron Sales 2018-2023 (Units)
- Figure 31. APAC Radiochemistry PET Cyclotron Revenue 2018-2023 (\$ Millions)
- Figure 32. Europe Radiochemistry PET Cyclotron Sales 2018-2023 (Units)
- Figure 33. Europe Radiochemistry PET Cyclotron Revenue 2018-2023 (\$ Millions)
- Figure 34. Middle East & Africa Radiochemistry PET Cyclotron Sales 2018-2023 (Units)
- Figure 35. Middle East & Africa Radiochemistry PET Cyclotron Revenue 2018-2023 (\$ Millions)
- Figure 36. Americas Radiochemistry PET Cyclotron Sales Market Share by Country in 2022
- Figure 37. Americas Radiochemistry PET Cyclotron Revenue Market Share by Country in 2022
- Figure 38. Americas Radiochemistry PET Cyclotron Sales Market Share by Type (2018-2023)
- Figure 39. Americas Radiochemistry PET Cyclotron Sales Market Share by Application (2018-2023)
- Figure 40. United States Radiochemistry PET Cyclotron Revenue Growth 2018-2023 (\$ Millions)
- Figure 41. Canada Radiochemistry PET Cyclotron Revenue Growth 2018-2023 (\$ Millions)
- Figure 42. Mexico Radiochemistry PET Cyclotron Revenue Growth 2018-2023 (\$ Millions)
- Figure 43. Brazil Radiochemistry PET Cyclotron Revenue Growth 2018-2023 (\$ Millions)
- Figure 44. APAC Radiochemistry PET Cyclotron Sales Market Share by Region in 2022
- Figure 45. APAC Radiochemistry PET Cyclotron Revenue Market Share by Regions in 2022
- Figure 46. APAC Radiochemistry PET Cyclotron Sales Market Share by Type (2018-2023)
- Figure 47. APAC Radiochemistry PET Cyclotron Sales Market Share by Application (2018-2023)
- Figure 48. China Radiochemistry PET Cyclotron Revenue Growth 2018-2023 (\$ Millions)
- Figure 49. Japan Radiochemistry PET Cyclotron Revenue Growth 2018-2023 (\$



# Millions)

- Figure 50. South Korea Radiochemistry PET Cyclotron Revenue Growth 2018-2023 (\$ Millions)
- Figure 51. Southeast Asia Radiochemistry PET Cyclotron Revenue Growth 2018-2023 (\$ Millions)
- Figure 52. India Radiochemistry PET Cyclotron Revenue Growth 2018-2023 (\$ Millions)
- Figure 53. Australia Radiochemistry PET Cyclotron Revenue Growth 2018-2023 (\$ Millions)
- Figure 54. China Taiwan Radiochemistry PET Cyclotron Revenue Growth 2018-2023 (\$ Millions)
- Figure 55. Europe Radiochemistry PET Cyclotron Sales Market Share by Country in 2022
- Figure 56. Europe Radiochemistry PET Cyclotron Revenue Market Share by Country in 2022
- Figure 57. Europe Radiochemistry PET Cyclotron Sales Market Share by Type (2018-2023)
- Figure 58. Europe Radiochemistry PET Cyclotron Sales Market Share by Application (2018-2023)
- Figure 59. Germany Radiochemistry PET Cyclotron Revenue Growth 2018-2023 (\$ Millions)
- Figure 60. France Radiochemistry PET Cyclotron Revenue Growth 2018-2023 (\$ Millions)
- Figure 61. UK Radiochemistry PET Cyclotron Revenue Growth 2018-2023 (\$ Millions)
- Figure 62. Italy Radiochemistry PET Cyclotron Revenue Growth 2018-2023 (\$ Millions)
- Figure 63. Russia Radiochemistry PET Cyclotron Revenue Growth 2018-2023 (\$ Millions)
- Figure 64. Middle East & Africa Radiochemistry PET Cyclotron Sales Market Share by Country in 2022
- Figure 65. Middle East & Africa Radiochemistry PET Cyclotron Revenue Market Share by Country in 2022
- Figure 66. Middle East & Africa Radiochemistry PET Cyclotron Sales Market Share by Type (2018-2023)
- Figure 67. Middle East & Africa Radiochemistry PET Cyclotron Sales Market Share by Application (2018-2023)
- Figure 68. Egypt Radiochemistry PET Cyclotron Revenue Growth 2018-2023 (\$ Millions)
- Figure 69. South Africa Radiochemistry PET Cyclotron Revenue Growth 2018-2023 (\$ Millions)
- Figure 70. Israel Radiochemistry PET Cyclotron Revenue Growth 2018-2023 (\$



Millions)

Figure 71. Turkey Radiochemistry PET Cyclotron Revenue Growth 2018-2023 (\$ Millions)

Figure 72. GCC Country Radiochemistry PET Cyclotron Revenue Growth 2018-2023 (\$ Millions)

Figure 73. Manufacturing Cost Structure Analysis of Radiochemistry PET Cyclotron in 2022

Figure 74. Manufacturing Process Analysis of Radiochemistry PET Cyclotron

Figure 75. Industry Chain Structure of Radiochemistry PET Cyclotron

Figure 76. Channels of Distribution

Figure 77. Global Radiochemistry PET Cyclotron Sales Market Forecast by Region (2024-2029)

Figure 78. Global Radiochemistry PET Cyclotron Revenue Market Share Forecast by Region (2024-2029)

Figure 79. Global Radiochemistry PET Cyclotron Sales Market Share Forecast by Type (2024-2029)

Figure 80. Global Radiochemistry PET Cyclotron Revenue Market Share Forecast by Type (2024-2029)

Figure 81. Global Radiochemistry PET Cyclotron Sales Market Share Forecast by Application (2024-2029)

Figure 82. Global Radiochemistry PET Cyclotron Revenue Market Share Forecast by Application (2024-2029)



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