

# **Nuclear Medicine Equipment Market Report by Product (Single-Photon Emission Computed Tomography, Positron Emission Tomography, Planar Scintigraphy), Application (Neurology, Oncology, Cardiology, and Others), End User (Hospitals, Imaging Centers, Academic and Research Institutes, and Others), and Region 2024-2032**

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## **Abstracts**

The global nuclear medicine equipment market size reached US\$ 3.1 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 5.2 Billion by 2032, exhibiting a growth rate (CAGR) of 5.8% during 2024-2032.

Nuclear medicine equipment are medical devices that utilize radionuclides or radioactive materials to generate anatomical images and record the progression of diseases. Radionuclides refer to the compounded cleaning molecules with excessive nuclear energy used for producing radiopharmaceuticals. The equipment are utilized for examining various biological processes, such as metabolism, tissue blood flow, functioning of cell receptors, neurotransmitter activity and apoptosis. They utilize specialized gamma cameras and single-photon emission-computed tomography (SPECT) imaging technologies for detecting movement disorders and different types of dementia. As a result, the equipment finds extensive applications for the treatment of various oncological, cardiovascular, gastrointestinal, endocrine and neurological disorders.

Nuclear Medicine Equipment Market Trends:

The increasing prevalence of chronic medical ailments across the globe is one of the

key factors creating a positive outlook for the market. Moreover, the rising geriatric population, which is more prone to age-related and associated diseases, is providing a thrust to the market growth. In line with this, the increasing requirement for personalized medicines among healthcare professionals and patients is also contributing to the growth of the market. Various technological advancements, such as the development of data integrated imaging systems and radiotracers, are acting as other growth-inducing factors. These systems enable the reconstruction and processing of computer-assisted images and accurate recognition of medical conditions to compare diagnostic scans and monitor the progression of a disease. Healthcare institutions are also rapidly shifting from standalone to hybrid imaging solutions for generating precise and high-resolution images. Other factors, including extensive research and development (R&D) activities in the field of biotechnology, along with significant improvements in the medical infrastructure, especially in the developing economies, are anticipated to drive the market toward growth.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global nuclear medicine equipment market report, along with forecasts at the global, regional and country level from 2024-2032. Our report has categorized the market based on product, application and end user.

#### Breakup by Product:

Single-Photon Emission Computed Tomography

Standalone

Hybrid

Positron Emission Tomography

Standalone

Hybrid

Planar Scintigraphy

#### Breakup by Application:

Neurology

Oncology

Cardiology

Others

#### Breakup by End User:

Hospitals

Imaging Centers

Academic and Research Institutes

Others

#### Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

### Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Biodex Medical Systems Inc. (Mirion Technologies Inc.), Cardinal Health Inc., CMR Naviscan Corporation, DDD-Diagnostic A/S, Digirad

Corporation, General Electric Company, Koninklijke Philips N.V., Mediso Ltd., Neusoft Corporation, Siemens AG, SurgicEye GmbH and Toshiba Corporation.

#### Key Questions Answered in This Report:

How has the global nuclear medicine equipment market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global nuclear medicine equipment market?

What are the key regional markets?

What is the breakup of the market based on the product?

What is the breakup of the market based on the application?

What is the breakup of the market based on the end user?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global nuclear medicine equipment market and who are the key players?

What is the degree of competition in the industry?

## Contents

### **1 PREFACE**

### **2 SCOPE AND METHODOLOGY**

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
  - 2.3.1 Primary Sources
  - 2.3.2 Secondary Sources
- 2.4 Market Estimation
  - 2.4.1 Bottom-Up Approach
  - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

### **3 EXECUTIVE SUMMARY**

### **4 INTRODUCTION**

- 4.1 Overview
- 4.2 Key Industry Trends

### **5 GLOBAL NUCLEAR MEDICINE EQUIPMENT MARKET**

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

### **6 MARKET BREAKUP BY PRODUCT**

- 6.1 Single-Photon Emission Computed Tomography
  - 6.1.1 Market Trends
  - 6.1.2 Key Segments
    - 6.1.2.1 Standalone
    - 6.1.2.2 Hybrid
  - 6.1.3 Market Forecast
- 6.2 Positron Emission Tomography

- 6.2.1 Market Trends
- 6.2.2 Key Segments
  - 6.2.2.1 Standalone
  - 6.2.2.2 Hybrid
- 6.2.3 Market Forecast
- 6.3 Planar Scintigraphy
  - 6.3.1 Market Trends
  - 6.3.2 Market Forecast

## **7 MARKET BREAKUP BY APPLICATION**

- 7.1 Neurology
  - 7.1.1 Market Trends
  - 7.1.2 Market Forecast
- 7.2 Oncology
  - 7.2.1 Market Trends
  - 7.2.2 Market Forecast
- 7.3 Cardiology
  - 7.3.1 Market Trends
  - 7.3.2 Market Forecast
- 7.4 Others
  - 7.4.1 Market Trends
  - 7.4.2 Market Forecast

## **8 MARKET BREAKUP BY END USER**

- 8.1 Hospitals
  - 8.1.1 Market Trends
  - 8.1.2 Market Forecast
- 8.2 Imaging Centers
  - 8.2.1 Market Trends
  - 8.2.2 Market Forecast
- 8.3 Academic and Research Institutes
  - 8.3.1 Market Trends
  - 8.3.2 Market Forecast
- 8.4 Others
  - 8.4.1 Market Trends
  - 8.4.2 Market Forecast

## 9 MARKET BREAKUP BY REGION

### 9.1 North America

#### 9.1.1 United States

##### 9.1.1.1 Market Trends

##### 9.1.1.2 Market Forecast

#### 9.1.2 Canada

##### 9.1.2.1 Market Trends

##### 9.1.2.2 Market Forecast

### 9.2 Asia-Pacific

#### 9.2.1 China

##### 9.2.1.1 Market Trends

##### 9.2.1.2 Market Forecast

#### 9.2.2 Japan

##### 9.2.2.1 Market Trends

##### 9.2.2.2 Market Forecast

#### 9.2.3 India

##### 9.2.3.1 Market Trends

##### 9.2.3.2 Market Forecast

#### 9.2.4 South Korea

##### 9.2.4.1 Market Trends

##### 9.2.4.2 Market Forecast

#### 9.2.5 Australia

##### 9.2.5.1 Market Trends

##### 9.2.5.2 Market Forecast

#### 9.2.6 Indonesia

##### 9.2.6.1 Market Trends

##### 9.2.6.2 Market Forecast

#### 9.2.7 Others

##### 9.2.7.1 Market Trends

##### 9.2.7.2 Market Forecast

### 9.3 Europe

#### 9.3.1 Germany

##### 9.3.1.1 Market Trends

##### 9.3.1.2 Market Forecast

#### 9.3.2 France

##### 9.3.2.1 Market Trends

##### 9.3.2.2 Market Forecast

#### 9.3.3 United Kingdom



- 9.3.3.1 Market Trends
- 9.3.3.2 Market Forecast
- 9.3.4 Italy
  - 9.3.4.1 Market Trends
  - 9.3.4.2 Market Forecast
- 9.3.5 Spain
  - 9.3.5.1 Market Trends
  - 9.3.5.2 Market Forecast
- 9.3.6 Russia
  - 9.3.6.1 Market Trends
  - 9.3.6.2 Market Forecast
- 9.3.7 Others
  - 9.3.7.1 Market Trends
  - 9.3.7.2 Market Forecast
- 9.4 Latin America
  - 9.4.1 Brazil
    - 9.4.1.1 Market Trends
    - 9.4.1.2 Market Forecast
  - 9.4.2 Mexico
    - 9.4.2.1 Market Trends
    - 9.4.2.2 Market Forecast
  - 9.4.3 Others
    - 9.4.3.1 Market Trends
    - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
  - 9.5.1 Market Trends
  - 9.5.2 Market Breakup by Country
  - 9.5.3 Market Forecast

## **10 SWOT ANALYSIS**

- 10.1 Overview
- 10.2 Strengths
- 10.3 Weaknesses
- 10.4 Opportunities
- 10.5 Threats

## **11 VALUE CHAIN ANALYSIS**

## **12 PORTERS FIVE FORCES ANALYSIS**

- 12.1 Overview
- 12.2 Bargaining Power of Buyers
- 12.3 Bargaining Power of Suppliers
- 12.4 Degree of Competition
- 12.5 Threat of New Entrants
- 12.6 Threat of Substitutes

## **13 PRICE ANALYSIS**

## **14 COMPETITIVE LANDSCAPE**

- 14.1 Market Structure
- 14.2 Key Players
- 14.3 Profiles of Key Players
  - 14.3.1 Biodex Medical Systems Inc. (Mirion Technologies Inc.)
    - 14.3.1.1 Company Overview
    - 14.3.1.2 Product Portfolio
  - 14.3.2 Cardinal Health Inc.
    - 14.3.2.1 Company Overview
    - 14.3.2.2 Product Portfolio
    - 14.3.2.3 Financials
    - 14.3.2.4 SWOT Analysis
  - 14.3.3 CMR Naviscan Corporation
    - 14.3.3.1 Company Overview
    - 14.3.3.2 Product Portfolio
  - 14.3.4 DDD-Diagnostic A/S
    - 14.3.4.1 Company Overview
    - 14.3.4.2 Product Portfolio
  - 14.3.5 Digirad Corporation
    - 14.3.5.1 Company Overview
    - 14.3.5.2 Product Portfolio
  - 14.3.6 General Electric Company
    - 14.3.6.1 Company Overview
    - 14.3.6.2 Product Portfolio
    - 14.3.6.3 Financials
    - 14.3.6.4 SWOT Analysis
  - 14.3.7 Koninklijke Philips N.V.

- 14.3.7.1 Company Overview
- 14.3.7.2 Product Portfolio
- 14.3.7.3 Financials
- 14.3.7.4 SWOT Analysis
- 14.3.8 Mediso Ltd.
  - 14.3.8.1 Company Overview
  - 14.3.8.2 Product Portfolio
- 14.3.9 Neusoft Corporation
  - 14.3.9.1 Company Overview
  - 14.3.9.2 Product Portfolio
  - 14.3.9.3 Financials
  - 14.3.9.4 SWOT Analysis
- 14.3.10 Siemens AG
  - 14.3.10.1 Company Overview
  - 14.3.10.2 Product Portfolio
  - 14.3.10.3 Financials
  - 14.3.10.4 SWOT Analysis
- 14.3.11 SurgicEye GmbH
  - 14.3.11.1 Company Overview
  - 14.3.11.2 Product Portfolio
- 14.3.12 Toshiba Corporation
  - 14.3.12.1 Company Overview
  - 14.3.12.2 Product Portfolio
  - 14.3.12.3 Financials
  - 14.3.12.4 SWOT Analysis

## List Of Tables

### LIST OF TABLES

Table 1: Global: Nuclear Medicine Equipment Market: Key Industry Highlights, 2023 and 2032

Table 2: Global: Nuclear Medicine Equipment Market Forecast: Breakup by Product (in Million US\$), 2024-2032

Table 3: Global: Nuclear Medicine Equipment Market Forecast: Breakup by Application (in Million US\$), 2024-2032

Table 4: Global: Nuclear Medicine Equipment Market Forecast: Breakup by End User (in Million US\$), 2024-2032

Table 5: Global: Nuclear Medicine Equipment Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 6: Global: Nuclear Medicine Equipment Market: Competitive Structure

Table 7: Global: Nuclear Medicine Equipment Market: Key Players

## List Of Figures

### LIST OF FIGURES

Figure 1: Global: Nuclear Medicine Equipment Market: Major Drivers and Challenges

Figure 2: Global: Nuclear Medicine Equipment Market: Sales Value (in Billion US\$), 2018-2023

Figure 3: Global: Nuclear Medicine Equipment Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 4: Global: Nuclear Medicine Equipment Market: Breakup by Product (in %), 2023

Figure 5: Global: Nuclear Medicine Equipment Market: Breakup by Application (in %), 2023

Figure 6: Global: Nuclear Medicine Equipment Market: Breakup by End User (in %), 2023

Figure 7: Global: Nuclear Medicine Equipment Market: Breakup by Region (in %), 2023

Figure 8: Global: Nuclear Medicine Equipment (Single-Photon Emission Computed Tomography) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 9: Global: Nuclear Medicine Equipment (Single-Photon Emission Computed Tomography) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 10: Global: Nuclear Medicine Equipment (Positron Emission Tomography) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 11: Global: Nuclear Medicine Equipment (Positron Emission Tomography) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 12: Global: Nuclear Medicine Equipment (Planar Scintigraphy) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 13: Global: Nuclear Medicine Equipment (Planar Scintigraphy) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 14: Global: Nuclear Medicine Equipment (Neurology) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 15: Global: Nuclear Medicine Equipment (Neurology) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 16: Global: Nuclear Medicine Equipment (Oncology) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 17: Global: Nuclear Medicine Equipment (Oncology) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 18: Global: Nuclear Medicine Equipment (Cardiology) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 19: Global: Nuclear Medicine Equipment (Cardiology) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 20: Global: Nuclear Medicine Equipment (Other Applications) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 21: Global: Nuclear Medicine Equipment (Other Applications) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 22: Global: Nuclear Medicine Equipment (Hospitals) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 23: Global: Nuclear Medicine Equipment (Hospitals) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 24: Global: Nuclear Medicine Equipment (Imaging Centers) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 25: Global: Nuclear Medicine Equipment (Imaging Centers) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 26: Global: Nuclear Medicine Equipment (Academic and Research Institutes) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 27: Global: Nuclear Medicine Equipment (Academic and Research Institutes) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 28: Global: Nuclear Medicine Equipment (Other End Users) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 29: Global: Nuclear Medicine Equipment (Other End Users) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 30: North America: Nuclear Medicine Equipment Market: Sales Value (in Million US\$), 2018 & 2023

Figure 31: North America: Nuclear Medicine Equipment Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 32: United States: Nuclear Medicine Equipment Market: Sales Value (in Million US\$), 2018 & 2023

Figure 33: United States: Nuclear Medicine Equipment Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 34: Canada: Nuclear Medicine Equipment Market: Sales Value (in Million US\$), 2018 & 2023

Figure 35: Canada: Nuclear Medicine Equipment Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 36: Asia-Pacific: Nuclear Medicine Equipment Market: Sales Value (in Million US\$), 2018 & 2023

Figure 37: Asia-Pacific: Nuclear Medicine Equipment Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 38: China: Nuclear Medicine Equipment Market: Sales Value (in Million US\$), 2018 & 2023

Figure 39: China: Nuclear Medicine Equipment Market Forecast: Sales Value (in Million

US\$), 2024-2032

Figure 40: Japan: Nuclear Medicine Equipment Market: Sales Value (in Million US\$), 2018 & 2023

Figure 41: Japan: Nuclear Medicine Equipment Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 42: India: Nuclear Medicine Equipment Market: Sales Value (in Million US\$), 2018 & 2023

Figure 43: India: Nuclear Medicine Equipment Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 44: South Korea: Nuclear Medicine Equipment Market: Sales Value (in Million US\$), 2018 & 2023

Figure 45: South Korea: Nuclear Medicine Equipment Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 46: Australia: Nuclear Medicine Equipment Market: Sales Value (in Million US\$), 2018 & 2023

Figure 47: Australia: Nuclear Medicine Equipment Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 48: Indonesia: Nuclear Medicine Equipment Market: Sales Value (in Million US\$), 2018 & 2023

Figure 49: Indonesia: Nuclear Medicine Equipment Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 50: Others: Nuclear Medicine Equipment Market: Sales Value (in Million US\$), 2018 & 2023

Figure 51: Others: Nuclear Medicine Equipment Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 52: Europe: Nuclear Medicine Equipment Market: Sales Value (in Million US\$), 2018 & 2023

Figure 53: Europe: Nuclear Medicine Equipment Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 54: Germany: Nuclear Medicine Equipment Market: Sales Value (in Million US\$), 2018 & 2023

Figure 55: Germany: Nuclear Medicine Equipment Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 56: France: Nuclear Medicine Equipment Market: Sales Value (in Million US\$), 2018 & 2023

Figure 57: France: Nuclear Medicine Equipment Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 58: United Kingdom: Nuclear Medicine Equipment Market: Sales Value (in Million US\$), 2018 & 2023



Figure 59: United Kingdom: Nuclear Medicine Equipment Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 60: Italy: Nuclear Medicine Equipment Market: Sales Value (in Million US\$), 2018 & 2023

Figure 61: Italy: Nuclear Medicine Equipment Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 62: Spain: Nuclear Medicine Equipment Market: Sales Value (in Million US\$), 2018 & 2023

Figure 63: Spain: Nuclear Medicine Equipment Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 64: Russia: Nuclear Medicine Equipment Market: Sales Value (in Million US\$), 2018 & 2023

Figure 65: Russia: Nuclear Medicine Equipment Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 66: Others: Nuclear Medicine Equipment Market: Sales Value (in Million US\$), 2018 & 2023

Figure 67: Others: Nuclear Medicine Equipment Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 68: Latin America: Nuclear Medicine Equipment Market: Sales Value (in Million US\$), 2018 & 2023

Figure 69: Latin America: Nuclear Medicine Equipment Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 70: Brazil: Nuclear Medicine Equipment Market: Sales Value (in Million US\$), 2018 & 2023

Figure 71: Brazil: Nuclear Medicine Equipment Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 72: Mexico: Nuclear Medicine Equipment Market: Sales Value (in Million US\$), 2018 & 2023

Figure 73: Mexico: Nuclear Medicine Equipment Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 74: Others: Nuclear Medicine Equipment Market: Sales Value (in Million US\$), 2018 & 2023

Figure 75: Others: Nuclear Medicine Equipment Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 76: Middle East and Africa: Nuclear Medicine Equipment Market: Sales Value (in Million US\$), 2018 & 2023

Figure 77: Middle East and Africa: Nuclear Medicine Equipment Market: Breakup by Country (in %), 2023

Figure 78: Middle East and Africa: Nuclear Medicine Equipment Market Forecast: Sales



Value (in Million US\$), 2024-2032

Figure 79: Global: Nuclear Medicine Equipment Industry: SWOT Analysis

Figure 80: Global: Nuclear Medicine Equipment Industry: Value Chain Analysis

Figure 81: Global: Nuclear Medicine Equipment Industry: Porter's Five Forces Analysis

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