

Global Peripheral Blood Mononuclear Cells Market, By Product (Cryopreserved or Frozen PBMC, Cultured or Fresh PBMC, Peripheral Blood Mononuclear Cell Isolation & Viability Kits), By Application (Immunology, Infectious Disease, Hematology and Others), By Technique (Density Gradient Centrifugation Process, Leukapheresis), By Source (Human, Animals), By Region, Competition, Forecast & Opportunities, 2025

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Abstracts

The global market for peripheral blood mononuclear cells (PBMC) was valued at USD 172.29 Million in 2019 and is projected to grow at a CAGR of 8.46% during 2020 - 2025. The PBMC are crucial to carry out the biology and pathology related studies as well as in clinical research. Besides, PBMCs are also utilized in research related to fatal diseases, immunology, vaccine development, etc. However, high cost of PBMCs related studies might act as a challenge for the adoption of technology, especially in developing economies.

The global peripheral blood mononuclear cells market is segmented based on product, application, technique, source, and region. The product segment is further divided into cryopreserved or frozen PBMC, cultured or fresh PBMC and peripheral blood mononuclear cell isolation & viability kits. As of 2019, the cryopreserved PBMC or the frozen PBMC segment held the dominant market share as they can be used for longer durations of time if stored carefully at lower temperatures.

Based on regional analysis, North America accounted for the largest market share in

the year 2019, on the back of a number of pre-existing peripheral blood mononuclear cells-based companies in the region. The economy of the region is also rich enough, which makes it easier to carry out the complex and costly R&D procedures.

Major players operating in the global peripheral blood mononuclear cells market include Thermo Fisher Scientific Inc., Merck & Co., Inc., Corning Incorporated, Bio-Rad Laboratories, Inc., Cellero, LLC, Life Technologies (India) Pvt. Ltd., Cell Applications, Inc., DAPCEL, Inc., Creative Bioarray, iXCells Biotechnologies USA, LLC, Miltenyi Biotec B.V. & CO. KG, STEMCELL Technologies Inc., Precision Medicine Group, LLC., StemExpress, LLC, HemaCare Corporation, BioVision, Inc., BioLegend, Inc., BioIVT LLC, Biopredic International, Zen-Bio Inc., etc.

Years considered for this report:

Historical Years: 2015 - 2018

Base Year: 2019

Estimated Year: 2020

Forecast Period: 2021 - 2025

Objective of the Study:

To analyze and forecast the market size of global peripheral blood mononuclear cells market.

To classify and forecast global peripheral blood mononuclear cells market based on product, application, technique, source, and region.

To identify drivers and challenges for global peripheral blood mononuclear cells market.

To examine competitive developments such as expansions, new product launches, mergers & acquisitions, etc., in global peripheral blood mononuclear cells market.

To conduct pricing analysis for global peripheral blood mononuclear cells market.

To identify and analyze the profile of leading players operating in global peripheral blood mononuclear cells market.

TechSci Research performed both primary as well as exhaustive secondary research for this study. Initially, TechSci Research sourced a list of leading market players across the globe. Subsequently, TechSci Research conducted primary research surveys with the identified companies. While interviewing, the respondents were also enquired about their competitors. Through this technique, TechSci Research could include the research organizations and companies which could not be identified due to the limitations of secondary research. TechSci Research analyzed the research organizations and companies, and presence of all major players across the globe.

TechSci Research calculated the market size of global peripheral blood mononuclear cells market using a bottom-up approach, wherein data for various end-user segments was recorded and forecast for the future years. TechSci Research sourced these values from the industry experts and company representatives and externally validated through analyzing historical data of these product types and applications for getting an appropriate, overall market size. Various secondary sources such as company websites, news articles, press releases, company annual reports, investor presentations and financial reports were also studied by TechSci Research.

Key Target Audience:

Biotechnology and pharma companies and other stakeholders

Government bodies such as regulating authorities and policy makers

Organizations, forums and alliances related to peripheral blood mononuclear cells

Market research and consulting firms

The study is useful in providing answers to several critical questions that are important for the industry stakeholders such as research organizations & companies and partners,

end users, etc., besides allowing them in strategizing investments and capitalizing on market opportunities.

Report Scope:

In this report, global peripheral blood mononuclear cells market has been segmented into following categories, in addition to the industry trends which have also been detailed below:

Market, By Product:

Cryopreserved or Frozen PBMC

Cultured or Fresh PBMC

Peripheral Blood Mononuclear Cell Isolation & Viability Kits

Market, By Application:

Immunology

Infectious disease

Hematology

Others

Market, By Technique:

Density gradient centrifugation process

Leukapheresis

Market, By Source:

Human

Animals

Market, By Region:

Asia-Pacific

China

India

Japan

South Korea

Singapore

Australia

Europe

France

Germany

United Kingdom

Italy

North America

United States

Mexico

Canada

South America

Brazil

Argentina

Colombia

Middle east & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in global peripheral blood mononuclear cells market.

Available Customizations:

With the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. PRODUCT OVERVIEW

2. RESEARCH METHODOLOGY

3. IMPACT OF COVID-19 ON GLOBAL PERIPHERAL BLOOD MONONUCLEAR CELLS MARKET

4. EXECUTIVE SUMMARY

5. VOICE OF CUSTOMER

5.1. By Type of Product

5.2. By Type of Technique

5.3. Type of Application for Which PBMCs Are Used

5.4. Factors Driving Market Growth

6. GLOBAL PERIPHERAL BLOOD MONONUCLEAR CELLS MARKET OUTLOOK

6.1. Market Size & Forecast

6.1.1. By Value

6.2. Market Share & Forecast

6.2.1. By Product (Cryopreserved or Frozen PBMC, Cultured or Fresh PBMC, Peripheral Blood Mononuclear Cell Isolation & Viability Kits)

6.2.2. By Application (Immunology, Infectious disease, Hematology and others)

6.2.3. By Technique (Density gradient centrifugation process, Leukapheresis)

6.2.4. By Source (Human, Animals)

6.2.5. By Company (2019)

6.2.6. By Region

6.3. Product Market Map

7. ASIA-PACIFIC PERIPHERAL BLOOD MONONUCLEAR CELLS MARKET OUTLOOK

7.1. Market Size & Forecast

7.1.1. By Value

7.2. Market Share & Forecast

7.2.1. By Product

- 7.2.2. By Application
- 7.2.3. By Technique
- 7.2.4. By Source
- 7.2.5. By Country
- 7.3. Asia-Pacific: Country Analysis
 - 7.3.1. China Peripheral Blood Mononuclear Cells Market Outlook
 - 7.3.1.1. Market Size & Forecast
 - 7.3.1.1.1. By Value
 - 7.3.1.2. Market Share & Forecast
 - 7.3.1.2.1. By Product
 - 7.3.1.2.2. By Application
 - 7.3.1.2.3. By Technique
 - 7.3.1.2.4. By Source
 - 7.3.2. India Peripheral Blood Mononuclear Cells Market Outlook
 - 7.3.2.1. Market Size & Forecast
 - 7.3.2.1.1. By Value
 - 7.3.2.2. Market Share & Forecast
 - 7.3.2.2.1. By Product
 - 7.3.2.2.2. By Application
 - 7.3.2.2.3. By Technique
 - 7.3.2.2.4. By Source
 - 7.3.3. Japan Peripheral Blood Mononuclear Cells Market Outlook
 - 7.3.3.1. Market Size & Forecast
 - 7.3.3.1.1. By Value
 - 7.3.3.2. Market Share & Forecast
 - 7.3.3.2.1. By Product
 - 7.3.3.2.2. By Application
 - 7.3.3.2.3. By Technique
 - 7.3.3.2.4. By Source
 - 7.3.4. South Korea Peripheral Blood Mononuclear Cells Market Outlook
 - 7.3.4.1. Market Size & Forecast
 - 7.3.4.1.1. By Value
 - 7.3.4.2. Market Share & Forecast
 - 7.3.4.2.1. By Product
 - 7.3.4.2.2. By Application
 - 7.3.4.2.3. By Technique
 - 7.3.4.2.4. By Source
 - 7.3.5. Singapore Peripheral Blood Mononuclear Cells Market Outlook
 - 7.3.5.1. Market Size & Forecast

- 7.3.5.1.1. By Value
- 7.3.5.2. Market Share & Forecast
 - 7.3.5.2.1. By Product
 - 7.3.5.2.2. By Application
 - 7.3.5.2.3. By Technique
 - 7.3.5.2.4. By Source
- 7.3.6. Australia Peripheral Blood Mononuclear Cells Market Outlook
 - 7.3.6.1. Market Size & Forecast
 - 7.3.6.1.1. By Value
 - 7.3.6.2. Market Share & Forecast
 - 7.3.6.2.1. By Product
 - 7.3.6.2.2. By Application
 - 7.3.6.2.3. By Technique
 - 7.3.6.2.4. By Source

8. EUROPE PERIPHERAL BLOOD MONONUCLEAR CELLS MARKET OUTLOOK

- 8.1. Market Size & Forecast
- 8.2. Market Size & Forecast
 - 8.2.1. By Value
- 8.3. Market Share & Forecast
 - 8.3.1. By Product
 - 8.3.2. By Application
 - 8.3.3. By Technique
 - 8.3.4. By Source
 - 8.3.5. By Country
- 8.4. Europe: Country Analysis
 - 8.4.1. France Peripheral Blood Mononuclear Cells Market Outlook
 - 8.4.1.1. Market Size & Forecast
 - 8.4.1.1.1. By Value
 - 8.4.1.2. Market Share & Forecast
 - 8.4.1.2.1. By Product
 - 8.4.1.2.2. By Application
 - 8.4.1.2.3. By Technique
 - 8.4.1.2.4. By Source
 - 8.4.2. Germany Peripheral Blood Mononuclear Cells Market Outlook
 - 8.4.2.1. Market Size & Forecast
 - 8.4.2.1.1. By Value
 - 8.4.2.2. Market Share & Forecast

- 8.4.2.2.1. By Product
- 8.4.2.2.2. By Application
- 8.4.2.2.3. By Technique
- 8.4.2.2.4. By Source
- 8.4.3. United Kingdom Peripheral Blood Mononuclear Cells Market Outlook
 - 8.4.3.1. Market Size & Forecast
 - 8.4.3.1.1. By Value
 - 8.4.3.2. Market Share & Forecast
 - 8.4.3.2.1. By Product
 - 8.4.3.2.2. By Application
 - 8.4.3.2.3. By Technique
 - 8.4.3.2.4. By Source
- 8.4.4. Italy Peripheral Blood Mononuclear Cells Market Outlook
 - 8.4.4.1. Market Size & Forecast
 - 8.4.4.1.1. By Value
 - 8.4.4.2. Market Share & Forecast
 - 8.4.4.2.1. By Product
 - 8.4.4.2.2. By Application
 - 8.4.4.2.3. By Technique
 - 8.4.4.2.4. By Source

9. NORTH AMERICA PERIPHERAL BLOOD MONONUCLEAR CELLS MARKET OUTLOOK

- 9.1. Market Size & Forecast
- 9.2. Market Size & Forecast
 - 9.2.1. By Value
- 9.3. Market Share & Forecast
 - 9.3.1. By Product
 - 9.3.2. By Application
 - 9.3.3. By Technique
 - 9.3.4. By Source
 - 9.3.5. By Country
- 9.4. North America: Country Analysis
 - 9.4.1. United States Peripheral Blood Mononuclear Cells Market Outlook
 - 9.4.1.1. Market Size & Forecast
 - 9.4.1.1.1. By Value
 - 9.4.1.2. Market Share & Forecast
 - 9.4.1.2.1. By Product

- 9.4.1.2.2. By Application
- 9.4.1.2.3. By Technique
- 9.4.1.2.4. By Source
- 9.4.2. Mexico Peripheral Blood Mononuclear Cells Market Outlook
 - 9.4.2.1. Market Size & Forecast
 - 9.4.2.1.1. By Value
 - 9.4.2.2. Market Share & Forecast
 - 9.4.2.2.1. By Product
 - 9.4.2.2.2. By Application
 - 9.4.2.2.3. By Technique
 - 9.4.2.2.4. By Source
- 9.4.3. Canada Peripheral Blood Mononuclear Cells Market Outlook
 - 9.4.3.1. Market Size & Forecast
 - 9.4.3.1.1. By Value
 - 9.4.3.2. Market Share & Forecast
 - 9.4.3.2.1. By Product
 - 9.4.3.2.2. By Application
 - 9.4.3.2.3. By Technique
 - 9.4.3.2.4. By Source

10. SOUTH AMERICA PERIPHERAL BLOOD MONONUCLEAR CELLS MARKET OUTLOOK

- 10.1. Market Size & Forecast
- 10.2. Market Size & Forecast
 - 10.2.1. By Value
- 10.3. Market Share & Forecast
 - 10.3.1. By Product
 - 10.3.2. By Application
 - 10.3.3. By Technique
 - 10.3.4. By Source
 - 10.3.5. By Country
- 10.4. South America: Country Analysis
 - 10.4.1. Brazil Peripheral Blood Mononuclear Cells Market Outlook
 - 10.4.1.1. Market Size & Forecast
 - 10.4.1.1.1. By Value
 - 10.4.1.2. Market Share & Forecast
 - 10.4.1.2.1. By Product
 - 10.4.1.2.2. By Application

- 10.4.1.2.3. By Technique
- 10.4.1.2.4. By Source
- 10.4.2. Argentina Peripheral Blood Mononuclear Cells Market Outlook
 - 10.4.2.1. Market Size & Forecast
 - 10.4.2.1.1. By Value
 - 10.4.2.2. Market Share & Forecast
 - 10.4.2.2.1. By Product
 - 10.4.2.2.2. By Application
 - 10.4.2.2.3. By Technique
 - 10.4.2.2.4. By Source
- 10.4.3. Colombia Peripheral Blood Mononuclear Cells Market Outlook
 - 10.4.3.1. Market Size & Forecast
 - 10.4.3.1.1. By Value
 - 10.4.3.2. Market Share & Forecast
 - 10.4.3.2.1. By Product
 - 10.4.3.2.2. By Application
 - 10.4.3.2.3. By Technique
 - 10.4.3.2.4. By Source

11. MIDDLE EAST AND AFRICA PERIPHERAL BLOOD MONONUCLEAR CELLS MARKET OUTLOOK

- 11.1. Market Size & Forecast
- 11.2. Market Size & Forecast
 - 11.2.1. By Value
- 11.3. Market Share & Forecast
 - 11.3.1. By Product
 - 11.3.2. By Application
 - 11.3.3. By Technique
 - 11.3.4. By Source
 - 11.3.5. By Country
- 11.4. MEA: Country Analysis
 - 11.4.1. South Africa Peripheral Blood Mononuclear Cells Market Outlook
 - 11.4.1.1. Market Size & Forecast
 - 11.4.1.1.1. By Value
 - 11.4.1.2. Market Share & Forecast
 - 11.4.1.2.1. By Product
 - 11.4.1.2.2. By Application
 - 11.4.1.2.3. By Technique

- 11.4.1.2.4. By Source
- 11.4.2. Saudi Arabia Peripheral Blood Mononuclear Cells Market Outlook
 - 11.4.2.1. Market Size & Forecast
 - 11.4.2.1.1. By Value
 - 11.4.2.2. Market Share & Forecast
 - 11.4.2.2.1. By Product
 - 11.4.2.2.2. By Application
 - 11.4.2.2.3. By Technique
 - 11.4.2.2.4. By Source
- 11.4.3. UAE Peripheral Blood Mononuclear Cells Market Outlook
 - 11.4.3.1. Market Size & Forecast
 - 11.4.3.1.1. By Value
 - 11.4.3.2. Market Share & Forecast
 - 11.4.3.2.1. By Product
 - 11.4.3.2.2. By Application
 - 11.4.3.2.3. By Technique
 - 11.4.3.2.4. By Source

12. MARKET DYNAMICS

- 12.1. Drivers
- 12.2. Challenges

13. MARKET TRENDS & DEVELOPMENTS

14. CLINICAL TRIALS

15. COMPETITIVE LANDSCAPE

- 15.1. Competition Outlook
- 15.2. Players Profiled (Leading Companies)
 - 15.2.1. Thermo Fisher Scientific Inc.
 - 15.2.2. Merck & Co., Inc.
 - 15.2.3. Corning Incorporated
 - 15.2.4. Bio-Rad Laboratories, Inc.
 - 15.2.5. Cellero, LLC
 - 15.2.6. Life Technologies (India) Pvt. Ltd.
 - 15.2.7. Cell Applications, Inc.
 - 15.2.8. DAPCEL, Inc.

- 15.2.9. Creative Bioarray
- 15.2.10. iXCells Biotechnologies USA, LLC
- 15.2.11. Miltenyi Biotec B.V. & CO. KG
- 15.2.12. STEMCELL Technologies Inc.
- 15.2.13. Precision Medicine Group, LLC.
- 15.2.14. StemExpress, LLC
- 15.2.15. HemaCare Corporation
- 15.2.16. BioVision, Inc.
- 15.2.17. BioLegend, Inc.
- 15.2.18. BioIVT LLC
- 15.2.19. Biopredic International
- 15.2.20. Zen-Bio Inc.

16. STRATEGIC RECOMMENDATION

17. ABOUT US & DISCLAIMER

List Of Figures

LIST OF FIGURES

Figure 1: Global Peripheral Blood Mononuclear Cells Market Size, By Value, 2015-2025F (USD Million)

Figure 2: Global Peripheral Blood Mononuclear Cells Market Share, By Product, By Value, 2015-2025F

Figure 3: Global Peripheral Blood Mononuclear Cells Market Share, By Application, By Value, 2015-2025F

Figure 4: Global Peripheral Blood Mononuclear Cells Market Share, By Technique, By Value, 2015-2025F

Figure 5: Global Peripheral Blood Mononuclear Cells Market Share, By Source, By Value, 2015-2025F

Figure 6: Global Peripheral Blood Mononuclear Cells Market Share, By Company, By Value, 2019

Figure 7: Global Peripheral Blood Mononuclear Cells Market Share, By Region, By Value, 2019 & 2025F

Figure 8:

Global Peripheral Blood Mononuclear Cells Market Map, By Product - Market Size (USD Million) & Growth Rate (%)

Figure 9:

Global Peripheral Blood Mononuclear Cells Market Map, By Application - Market Size (USD Million) & Growth Rate (%)

Figure 10:

Global Peripheral Blood Mononuclear Cells Market Map, By Technique - Market Size (USD Million) & Growth Rate (%)

Figure 11:

Global Peripheral Blood Mononuclear Cells Market Map, By Source - Market Size (USD Million) & Growth Rate (%)

Figure 12:

Global Peripheral Blood Mononuclear Cells Market Map, By Region - Market Size (USD Million) & Growth Rate (%)

Figure 13: North America Peripheral Blood Mononuclear Cells Market Size, By Value,

2015-2025F (USD Million)

Figure 14: North America Peripheral Blood Mononuclear Cells Market Share, By Product, By Value, 2015-2025F

Figure 15: North America Peripheral Blood Mononuclear Cells Market Share, By Application, By Value, 2015-2025F

Figure 16: North America Peripheral Blood Mononuclear Cells Market Share, By Technique, By Value, 2015-2025F

Figure 17: North America Peripheral Blood Mononuclear Cells Market Share, By Source, By Value, 2015-2025F

Figure 18: North America Peripheral Blood Mononuclear Cells Market Size, By Country, 2015-2025F

Figure 19: United States Peripheral Blood Mononuclear Cells Market Size, By Value, 2015-2025F (USD Million)

Figure 20: New Cancer Cases in United States, (%), 2019

Figure 21: United States Peripheral Blood Mononuclear Cells Market Share, By Product, By Value, 2015-2025F

Figure 22: United States Peripheral Blood Mononuclear Cells Market Share, By Application, By Value, 2015-2025F

Figure 23: United States Peripheral Blood Mononuclear Cells Market Share, By Technique, By Value, 2015-2025F

Figure 24: United States Peripheral Blood Mononuclear Cells Market Share, By Source, By Value, 2015-2025F

Figure 25: Canada Peripheral Blood Mononuclear Cells Market Size, By Value, 2015-2025F (USD Million)

Figure 26: Canada Hospital Establishments, By Region, 2019 (Units)

Figure 27: Canada Peripheral Blood Mononuclear Cells Market Share, By Product, By Value, 2015-2025F

Figure 28: Canada Peripheral Blood Mononuclear Cells Market Share, By Application, By Value, 2015-2025F

Figure 29: Canada Peripheral Blood Mononuclear Cells Market Share, By Technique, By Value, 2015-2025F

Figure 30: Canada Peripheral Blood Mononuclear Cells Market Share, By Source, By Value, 2015-2025F

Figure 31: Mexico Peripheral Blood Mononuclear Cells Market Size, By Value, 2015-2025F (USD Million)

Figure 32: Mexico Healthcare Spending, By Value, 2015 -2019 (USD Per Capita)

Figure 33: Mexico Peripheral Blood Mononuclear Cells Market Share, By Product, By Value, 2015-2025F

Figure 34: Mexico Peripheral Blood Mononuclear Cells Market Share, By Application,

By Value, 2015-2025F

Figure 35: Mexico Peripheral Blood Mononuclear Cells Market Share, By Technique, By Value, 2015-2025F

Figure 36: Mexico Peripheral Blood Mononuclear Cells Market Share, By Source, By Value, 2015-2025F

Figure 37: Europe Peripheral Blood Mononuclear Cells Market Size, By Value, 2015-2025F (USD Million)

Figure 38: Europe Peripheral Blood Mononuclear Cells Market Share, By Product, By Value, 2015-2025F

Figure 39: Europe Peripheral Blood Mononuclear Cells Market Share, By Application, By Value, 2015-2025F

Figure 40: Europe Peripheral Blood Mononuclear Cells Market Share, By Technique, By Value, 2015-2025F

Figure 41: Europe Peripheral Blood Mononuclear Cells Market Share, By Source, By Value, 2015-2025F

Figure 42: Europe Peripheral Blood Mononuclear Cells Market Size, By Country, 2015-2025F

Figure 43: Germany Peripheral Blood Mononuclear Cells Market Size, By Value, 2015-2025F (USD Million)

Figure 44: New Cancer Cases in Germany, (%), 2019

Figure 45: Germany Peripheral Blood Mononuclear Cells Market Share, By Product, By Value, 2015-2025F

Figure 46: Germany Peripheral Blood Mononuclear Cells Market Share, By Application, By Value, 2015-2025F

Figure 47: Germany Peripheral Blood Mononuclear Cells Market Share, By Technique, By Value, 2015-2025F

Figure 48: Germany Peripheral Blood Mononuclear Cells Market Share, By Source, By Value, 2015-2025F

Figure 49: France Peripheral Blood Mononuclear Cells Market Size, By Value, 2015-2025F (USD Million)

Figure 50: France Healthcare Spending, By Value (USD Per Capita), 2015-2019

Figure 51: France Peripheral Blood Mononuclear Cells Market Share, By Product, By Value, 2015-2025F

Figure 52: France Peripheral Blood Mononuclear Cells Market Share, By Application, By Value, 2015-2025F

Figure 53: France Peripheral Blood Mononuclear Cells Market Share, By Technique, By Value, 2015-2025F

Figure 54: France Peripheral Blood Mononuclear Cells Market Share, By Source, By Value, 2015-2025F

Figure 55: United Kingdom Peripheral Blood Mononuclear Cells Market Size, By Value, 2015-2025F (USD Million)

Figure 56: New Cancer Cases in United Kingdom, (%), 2019

Figure 57: United Kingdom Peripheral Blood Mononuclear Cells Market Share, By Product, By Value, 2015-2025F

Figure 58: United Kingdom Peripheral Blood Mononuclear Cells Market Share, By Application, By Value, 2015-2025F

Figure 59: United Kingdom Peripheral Blood Mononuclear Cells Market Share, By Technique, By Value, 2015-2025F

Figure 60: United Kingdom Peripheral Blood Mononuclear Cells Market Share, By Source, By Value, 2015-2025F

Figure 61: Italy Peripheral Blood Mononuclear Cells Market Size, By Value, 2015-2025F (USD Million)

Figure 62: Italy Total Health Expenditure as a Share of GDP (%), 2015 - 2019

Figure 63: Italy Peripheral Blood Mononuclear Cells Market Share, By Product, By Value, 2015-2025F

Figure 64: Italy Peripheral Blood Mononuclear Cells Market Share, By Application, By Value, 2015-2025F

Figure 65: Italy Peripheral Blood Mononuclear Cells Market Share, By Technique, By Value, 2015-2025F

Figure 66: Italy Peripheral Blood Mononuclear Cells Market Share, By Source, By Value, 2015-2025F

Figure 67: Asia-Pacific Peripheral Blood Mononuclear Cells Market Size, By Value, 2015-2025F (USD Million)

Figure 68: Asia-Pacific Peripheral Blood Mononuclear Cells Market Share, By Product, By Value, 2015-2025F

Figure 69: Asia-Pacific Peripheral Blood Mononuclear Cells Market Share, By Application, By Value, 2015-2025F

Figure 70: Asia-Pacific Peripheral Blood Mononuclear Cells Market Share, By Technique, By Value, 2015-2025F

Figure 71: Asia-Pacific Peripheral Blood Mononuclear Cells Market Share, By Source, By Value, 2015-2025F

Figure 72: Asia-Pacific Peripheral Blood Mononuclear Cells Market Size, By Country, 2015-2025F

Figure 73: China Peripheral Blood Mononuclear Cells Market Size, By Value, 2015-2025F (USD Million)

Figure 74: New Cancer Cases in China (%), 2019

Figure 75: China Peripheral Blood Mononuclear Cells Market Share, By Product, By Value, 2015-2025F

Figure 76: China Peripheral Blood Mononuclear Cells Market Share, By Application, By Value, 2015-2025F

Figure 77: China Peripheral Blood Mononuclear Cells Market Share, By Technique, By Value, 2015-2025F

Figure 78: China Peripheral Blood Mononuclear Cells Market Share, By Source, By Value, 2015-2025F

Figure 79: Japan Peripheral Blood Mononuclear Cells Market Size, By Value, 2015-2025F (USD Million)

Figure 80: Japan Total Health Expenditure as a Share of GDP (%), 2015 - 2019

Figure 81: Japan Peripheral Blood Mononuclear Cells Market Share, By Product, By Value, 2015-2025F

Figure 82: Japan Peripheral Blood Mononuclear Cells Market Share, By Application, By Value, 2015-2025F

Figure 83: Japan Peripheral Blood Mononuclear Cells Market Share, By Technique, By Value, 2015-2025F

Figure 84: Japan Peripheral Blood Mononuclear Cells Market Share, By Source, By Value, 2015-2025F

Figure 85: India Peripheral Blood Mononuclear Cells Market Size, By Value, 2015-2025F (USD Million)

Figure 86: Total Number of Hospitals in India, 2019

Figure 87: India Peripheral Blood Mononuclear Cells Market Share, By Product, By Value, 2015-2025F

Figure 88: India Peripheral Blood Mononuclear Cells Market Share, By Application, By Value, 2015-2025F

Figure 89: India Peripheral Blood Mononuclear Cells Market Share, By Technique, By Value, 2015-2025F

Figure 90: India Peripheral Blood Mononuclear Cells Market Share, By Source, By Value, 2015-2025F

Figure 91: South Korea Peripheral Blood Mononuclear Cells Market Size, By Value, 2015-2025F (USD Million)

Figure 92: New Cancer Cases in South Korea (%), 2019

Figure 93: South Korea Peripheral Blood Mononuclear Cells Market Share, By Product, By Value, 2015-2025F

Figure 94: South Korea Peripheral Blood Mononuclear Cells Market Share, By Application, By Value, 2015-2025F

Figure 95: South Korea Peripheral Blood Mononuclear Cells Market Share, By Technique, By Value, 2015-2025F

Figure 96: South Korea Peripheral Blood Mononuclear Cells Market Share, By Source, By Value, 2015-2025F

Figure 97: Australia Peripheral Blood Mononuclear Cells Market Size, By Value, 2015-2025F (USD Million)

Figure 98: % of Public and Private Hospitals in Australia, 2019

Figure 99: Australia Peripheral Blood Mononuclear Cells Market Share, By Product, By Value, 2015-2025F

Figure 100: Australia Peripheral Blood Mononuclear Cells Market Share, By Application, By Value, 2015-2025F

Figure 101: Australia Peripheral Blood Mononuclear Cells Market Share, By Technique, By Value, 2015-2025F

Figure 102: Australia Peripheral Blood Mononuclear Cells Market Share, By Source, By Value, 2015-2025F

Figure 103: Singapore Peripheral Blood Mononuclear Cells Market Size, By Value, 2015-2025F (USD Million)

Figure 104: New Cancer Cases in Singapore (%), 2019

Figure 105: Singapore Peripheral Blood Mononuclear Cells Market Share, By Product, By Value, 2015-2025F

Figure 106: Singapore Peripheral Blood Mononuclear Cells Market Share, By Application, By Value, 2015-2025F

Figure 107: Singapore Peripheral Blood Mononuclear Cells Market Share, By Technique, By Value, 2015-2025F

Figure 108: Singapore Peripheral Blood Mononuclear Cells Market Share, By Source, By Value, 2015-2025F

Figure 109: South America Peripheral Blood Mononuclear Cells Market Size, By Value, 2015-2025F (USD Million)

Figure 110: South America Peripheral Blood Mononuclear Cells Market Share, By Product, By Value, 2015-2025F

Figure 111: South America Peripheral Blood Mononuclear Cells Market Share, By Application, By Value, 2015-2025F

Figure 112: South America Peripheral Blood Mononuclear Cells Market Share, By Technique, By Value, 2015-2025F

Figure 113: South America Peripheral Blood Mononuclear Cells Market Share, By Source, By Value, 2015-2025F

Figure 114: South America Peripheral Blood Mononuclear Cells Market Size, By Country, 2015-2025F

Figure 115: Brazil Peripheral Blood Mononuclear Cells Market Size, By Value, 2015-2025F (USD Million)

Figure 116: Total Number of Hospitals in Brazil, 2015-2019s

Figure 117: Brazil Peripheral Blood Mononuclear Cells Market Share, By Product, By Value, 2015-2025F

Figure 118: Brazil Peripheral Blood Mononuclear Cells Market Share, By Application, By Value, 2015-2025F

Figure 119: Brazil Peripheral Blood Mononuclear Cells Market Share, By Technique, By Value, 2015-2025F

Figure 120: Brazil Peripheral Blood Mononuclear Cells Market Share, By Source, By Value, 2015-2025F

Figure 121: Argentina Peripheral Blood Mononuclear Cells Market Size, By Value, 2015-2025F (USD Million)

Figure 122: Argentina Health Expenditure (% of GDP), 2015-2019

Figure 123: Argentina Peripheral Blood Mononuclear Cells Market Share, By Product, By Value, 2015-2025F

Figure 124: Argentina Peripheral Blood Mononuclear Cells Market Share, By Application, By Value, 2015-2025F

Figure 125: Argentina Peripheral Blood Mononuclear Cells Market Share, By Technique, By Value, 2015-2025F

Figure 126: Argentina Peripheral Blood Mononuclear Cells Market Share, By Source, By Value, 2015-2025F

Figure 127: Colombia Peripheral Blood Mononuclear Cells Market Size, By Value, 2015-2025F (USD Million)

Figure 128: New Cancer Cases in Colombia (%), 2019

Figure 129: Colombia Peripheral Blood Mononuclear Cells Market Share, By Product, By Value, 2015-2025F

Figure 130: Colombia Peripheral Blood Mononuclear Cells Market Share, By Application, By Value, 2015-2025F

Figure 131: Colombia Peripheral Blood Mononuclear Cells Market Share, By Technique, By Value, 2015-2025F

Figure 132: Colombia Peripheral Blood Mononuclear Cells Market Share, By Source, By Value, 2015-2025F

Figure 133: Middle East & Africa Peripheral Blood Mononuclear Cells Market Size, By Value, 2015-2025F (USD Million)

Figure 134:

Middle East & Africa Peripheral Blood Mononuclear Cells Market Share, By Product, By Value, 2015-2025F

Figure 135:

Middle East & Africa Peripheral Blood Mononuclear Cells Market Share, By Application, By Value, 2015-2025F

Figure 136:

Middle East & Africa Peripheral Blood Mononuclear Cells Market Share, By Technique, By Value,

2015-2025F

Figure 137: Middle East & Africa Peripheral Blood Mononuclear Cells Market Share, By Source, By Value, 2015-2025F

Figure 138: Middle East and Africa Peripheral Blood Mononuclear Cells Market Size, By Country, 2015-2025F

Figure 139: UAE Peripheral Blood Mononuclear Cells Market Size, By Value, 2015-2025F (USD Million)

Figure 140: UAE Health Expenditure (% of GDP), 2015-2019

Figure 141: UAE Peripheral Blood Mononuclear Cells Market Share, By Product, By Value, 2015-2025F

Figure 142: UAE Peripheral Blood Mononuclear Cells Market Share, By Application, By Value, 2015-2025F

Figure 143: UAE Peripheral Blood Mononuclear Cells Market Share, By Technique, By Value, 2015-2025F

Figure 144: UAE Peripheral Blood Mononuclear Cells Market Share, By Source, By Value, 2015-2025F

Figure 145: Saudi Arabia Peripheral Blood Mononuclear Cells Market Size, By Value, 2015-2025F (USD Million)

Figure 146: Total Number of Hospitals in Saudi Arabia, 2015-2019

Figure 147: Saudi Arabia Peripheral Blood Mononuclear Cells Market Share, By Product, By Value, 2015-2025F

Figure 148: Saudi Arabia Peripheral Blood Mononuclear Cells Market Share, By Application, By Value, 2015-2025F

Figure 149: Saudi Arabia Peripheral Blood Mononuclear Cells Market Share, By Technique, By Value, 2015-2025F

Figure 150: Saudi Arabia Peripheral Blood Mononuclear Cells Market Share, By Source, By Value, 2015-2025F

Figure 151: South Africa Peripheral Blood Mononuclear Cells Market Size, By Value, 2015-2025F (USD Million)

Figure 152: South Africa Healthcare Spending, By Value, 2015 -2019 (USD Per Capita)

Figure 153: South Africa Peripheral Blood Mononuclear Cells Market Share, By Product, By Value, 2015-2025F

Figure 154: South Africa Peripheral Blood Mononuclear Cells Market Share, By Application, By Value, 2015-2025F

Figure 155: South Africa Peripheral Blood Mononuclear Cells Market Share, By Technique, By Value, 2015-2025F

Figure 156: South Africa Peripheral Blood Mononuclear Cells Market Share, By Source,

By Value, 2015-2025F

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