

Global Mesenchymal Stem Cells Market Size, Share And Growth Analysis For 2024-2033

Mesenchymal Stem Cells Global Market Report 2024 – Market Size, Trends, And Forecast 2024-2033

LONDON, GREATER LONDON, UK, July 23, 2024 /EINPresswire.com/ -- The [mesenchymal stem cells market](#) has experienced robust growth in recent years, expanding from \$3.00 billion in 2023 to \$3.38 billion in 2024 at a

compound annual growth rate (CAGR) of 12.5%. The growth in the historic period can be attributed to the regenerative medicine paradigm shift, collaborative research efforts, increased public awareness of stem cell research and patient advocacy, international collaboration, and standardization initiatives.



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Strong Future Growth Anticipated

The mesenchymal stem cells market is projected to continue its strong growth, reaching \$5.45 billion in 2028 at a compound annual growth rate (CAGR) of 12.7%. The growth in the forecast period can be attributed to continued advancements in genetic engineering technologies, the adoption of personalized medicine

approaches, the integration of artificial intelligence (AI) and data analytics, advances in biomaterials science and 3D bioprinting technologies, the development of microfluidic devices and organ-on-a-chip models, the adoption of next-generation manufacturing technologies.

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Growth Driver Of The Mesenchymal Stem Cells Market

The growing awareness regarding regenerative medicine is expected to propel the growth of the mesenchymal stem cells (MSC) market going forward. Regenerative medicine is an emerging interdisciplinary field that focuses on the repair, replacement, or regeneration of cells, tissues, or



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organs to restore impaired function resulting from any cause, including congenital defects, disease, trauma, and aging. Regenerative medicine is increasing due to several key factors, such as growing clinical trials, the growing incidence of chronic conditions, age-related conditions, and personalized medicine. Mesenchymal stem cells (MSCs) offer significant potential in regenerative medicine due to their ability to differentiate into multiple cell types, modulate immune responses, and promote tissue repair and regeneration across a wide range of medical conditions.

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Major Players And Market Trends

Key players in the mesenchymal stem cells market include Thermo Fischer Scientific Inc., Danaher Corporation, Merck KGaA, Becton, Dickinson, and Company, Fujifilm Holdings Corporation, Corning Inc., Daiichi Sankyo, Lonza Group, Terumo Corporation, Sartorius AG, Getinge AB, Bio-Rad Laboratories, Eppendorf AG, Bio-Techne Corporation.

Major companies operating in the mesenchymal stem cells (MSCs) market are adopting innovative technologies, such as GMP-compliant isolation, to strengthen their position in the market. GMP (Good Manufacturing Practice)-compliant isolation refers to the process of isolating cells, including mesenchymal stem cells (MSCs), according to GMP regulations to ensure consistent production and control of product quality.

Segments:

- 1) By Type: Autologous, Allogeneic
- 2) By Product Type: Cells And Cell Lines, Kits, Media And Reagents, Other Product Types
- 3) By Workflow Type: Cell Sourcing And Isolation, Culture And Cryopreservation, Differentiation, Characterization
- 4) By Indication: Bone And Cartilage Repair, Cardiovascular Diseases, Inflammatory And Immunological Diseases, Liver Diseases, Cancer, GvHD, Other Indications
- 5) By Application: Disease Modeling, Drug Development And Discovery, Stem Cell Banking, Tissue Engineering, Toxicology Studies, Other Applications

Geographical Insights: North America Leading The Market

North America was the largest region in the mesenchymal stem cells market in 2023. Asia-Pacific is expected to be the fastest-growing region in the forecast period. The regions covered in the mesenchymal stem cells market report are Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, Africa.

Mesenchymal Stem Cells Market Definition

Mesenchymal stem cells (MSCs) refer to a type of multipotent adult stem cells found in various tissues throughout the body, including bone marrow, adipose tissue, umbilical cord blood, and

dental pulp. These cells, which have the ability to differentiate into a variety of cell types, including osteoblasts (bone cells) and chondrocytes (cartilage cells), are used in the treatment of various conditions, including bone and cartilage repair, myocardial infarction, and neurological disorders.

[Mesenchymal Stem Cells Global Market Report 2024](#) from The Business Research Company covers the following information:

- Market size data for the forecast period: Historical and Future
- Market analysis by region: Asia-Pacific, China, Western Europe, Eastern Europe, North America, USA, South America, Middle East and Africa.
- Market analysis by countries: Australia, Brazil, China, France, Germany, India, Indonesia, Japan, Russia, South Korea, UK, USA.

Trends, opportunities, strategies and so much more.

The Mesenchymal Stem Cells Global Market Report 2024 by The Business Research Company is the most comprehensive report that provides insights on mesenchymal stem cells market size, mesenchymal stem cells market drivers and trends, mesenchymal stem cells market major players, mesenchymal stem cells competitors' revenues, mesenchymal stem cells market positioning, and mesenchymal stem cells market growth across geographies. The mesenchymal stem cells market report helps you gain in-depth insights into opportunities and strategies. Companies can leverage the data in the report and tap into segments with the highest growth potential.

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Global Market Model – Market Intelligence Database

The Global Market Model, The Business Research Company's flagship product, is a market

intelligence platform covering various macroeconomic indicators and metrics across 60 geographies and 27 industries. The Global Market Model covers multi-layered datasets that help its users assess supply-demand gaps.

Contact Information

The Business Research Company

Europe: +44 207 1930 708

Asia: +91 8897263534

Americas: +1 315 623 0293

Oliver Guirdham

The Business Research Company

+44 20 7193 0708

info@tbrc.info

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