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Global Peripheral Blood Mononuclear Cells (PBMCs) Market

https://marketpublishers.com/r/G0104635F61BEN.html
Date: September 2026
Pages: 100
Price: US$ 4,650.00 (Single User License)
ID: G0104635F61BEN

Abstracts

The global market for peripheral blood mononuclear cells (PBMCs) was valued at $322.2 million in 2025 and, is estimated to reach $353.9 million by 2026 and $577.2 million by 2031, at a compound annual growth rate (CAGR) of 10.3% from 2026 through 2031.

Report Scope

The report provides an overview of the global peripheral blood mononuclear cells (PBMCs) market and analyzes market trends. It includes global revenue ($ Thousand) using 2025 as the base year, estimated data for 2026, and projected data for 2026 through 2031.

The report segments the market by product type, application, and technology. By product type, the market is segmented into cryopreserved or frozen PBMCs, peripheral blood mononuclear cell isolation and viability kits, cultured or fresh PBMCs, and others. Based on application, the market is categorized into oncology, immunology, vaccine development, toxicology, infectious disease, and others. By technology, the market is segmented into density gradient centrifugation, leukapheresis, and others. Geographical regions covered in this study include North America (the U.S., Canada, and Mexico), Europe (Germany, the U.K., Italy, France, Spain, and the Rest of Europe), Asia-Pacific (China, Japan, India, South Korea, Australia, and the Rest of Asia-Pacific), South America, and the Middle East and Africa (MEA) with a focus on the major countries in these regions.

The report focuses on the key drivers, trends, and challenges shaping the market and vendor landscape. It analyzes and discusses emerging technologies related to the

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market.

The report concludes with an analysis of the competitive landscape and highlights the leading global peripheral blood mononuclear cell companies. It also includes a dedicated section of company profiles covering company overviews, key financials, product portfolios, and recent developments.

Report Includes

40 data tables and 54 additional tables

Examination of the global peripheral blood mononuclear cells (PBMCs) market, covering research applications, technological developments, and the growing role of immune cell analysis in life sciences and clinical research

Market estimates based on 2025 data, with revenue forecasts and growth projections for the period from 2026 through 2031

Analysis of market segments by product type, application, and isolation technique,

Discussion of key market drivers, restraints, opportunities, and challenges influencing industry growth and adoption patterns

Regional evaluation of North America, Europe, Asia-Pacific, South America, and the Middle East & Africa, including country-level analysis of major research and healthcare markets

Competitive landscape assessment featuring company rankings, market share analysis, and strategic initiatives undertaken by leading market participants

Profiles of established companies and emerging players involved in the PBMC market, highlighting their product offerings, business strategies, and recent developments

Company profiles of major players within the industry, including BioIVT, CGT Global, Charles River Laboratories, Discovery Life Sciences, Lonza, and STEMCELL Technologies

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AKADEUM LIFE SCIENCES

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ATCC
BIOIVT
BIOLEGEND INC.
CGT GLOBAL
CHARLES RIVER LABORATORIES
CYTIVA
DISCOVERY LIFE SCIENCES
IXCELLS BIOTECHNOLOGIES
LONZA
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PRECISION MEDICINE GROUP LLC
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