Global Laboratory Centrifuge Market Size Study, by Product (Equipment, Accessories), by Model (Benchtop Centrifuges, Floor-standing Centrifuges), by Rotor Design (Swinging Bucket Rotors, Fixed Angle Rotors, Vertical Rotors), by Application (Diagnostic, Microbiology, Cellomics, Proteomics, Genomics, Blood Component Separation), by End User (Hospitals and Clinical Laboratories, Biotechnology and Pharmaceutical Companies, Academic and Research Institutes), and Regional Forecasts 2022-2032

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Abstracts

Global Laboratory Centrifuge Market is valued approximately at USD 1.98 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 4.21% over the forecast period 2024-2032. Laboratory centrifuges are indispensable equipment in scientific research and medical diagnostics, facilitating the separation of components based on density by employing centripetal acceleration. Widely utilized in applications such as microbiology, cellomics, proteomics, genomics, blood component separation, and diagnostics, these devices are essential for the efficient execution of various laboratory processes. Laboratory centrifuges are critical in the separation of plasma from blood, which is used in the production of therapeutic protein drugs essential for treating liver diseases. The prevalence of liver diseases, such as cirrhosis and liver cancer, which account for a significant number of global deaths, underscores the necessity for these devices. Additionally, centrifuges play a crucial role in diagnosing blood disorders like anemia and leukemia by concentrating and separating blood cells

for analysis. The increasing incidence of blood cancers further propels the demand for these centrifuges.

The expansion of the laboratory centrifuge market is significantly driven by the increase in R&D activities, rising awareness about disease diagnosis in developing countries, and the surge in chronic and infectious diseases. For instance, the Joint United Nations Program on HIV and AIDS (UNAIDS) reported that 39 million people were living with HIV globally in 2022. This escalating prevalence of chronic diseases necessitates advanced diagnostic tools, thereby bolstering the demand for laboratory centrifuges. However, the high cost of laboratory centrifuge equipment and accessories presents a significant barrier to market growth. Furthermore, the rise in R&D activities in genomics, proteomics, and cellomics, along with the proliferation of academic and research institutions utilizing laboratory centrifuges, offers promising growth opportunities. Technological advancements, such as the launch of portable and miniaturized centrifuges, also contribute to market expansion. For instance, in 2021, Kubota Corporation's launch of the Benchtop Centrifuge Model S500T and Floor Standing Refrigerated Centrifuge Model S500FR exemplifies such innovations.

North America dominant the laboratory centrifuge market in terms of revenue. The region's dominance is bolstered by advanced healthcare infrastructure, robust research and development activities, and a high concentration of leading pharmaceutical and biotechnology firms. Additionally, North America benefits from significant investments in biomedical research and clinical diagnostics, driving the demand for laboratory centrifuges across academic institutions and healthcare facilities. North America is poised to maintain its leadership throughout the forecast period. This projection is supported by ongoing advancements in centrifuge technology, increasing applications in drug discovery, genomics, and proteomics research, as well as the rising prevalence of chronic diseases demanding accurate diagnostic tools. Furthermore, Asia-Pacific is expected to grow at the highest rate during the forecast period 2024-2032.

Major market players included in this report are:

Agilent Technologies Inc.

Becton, Dickinson and Company

Danaher Corporation

Eppendorf SE

Kubota Corporation

Lepu Medical Technology (Beijing) Co., Ltd.

NuAire

QIAGEN N.V.

Sartorius AG

Thermo Fisher Scientific Inc.

Beckman Coulter, Inc.

Bio-Rad Laboratories, Inc.

Hettich Instruments, LP

Sigma Laborzentrifugen GmbH

Andreas Hettich GmbH & Co. KG

The detailed segments and sub-segment of the market are explained below:

By Product

Equipment

Accessories

By Model

Benchtop Centrifuges

Floor-standing Centrifuges

By Rotor Design

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Swinging Bucket Rotors

Fixed Angle Rotors

Vertical Rotors

By Application

Diagnostic

Microbiology

Cellomics

Proteomics

Genomics

Blood Component Separation

Others

By End User

Hospitals and Clinical Laboratories

Biotechnology and Pharmaceutical Companies

Academic and Research Institutes

By Region:

North America

U.S.

Canada

Europe

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UK

Germany

France

Italy

Spain

ROE

Asia-Pacific

China

Japan

India

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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