

Global Laboratory Filtration Market 2023

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Abstracts

Description

The global Laboratory Filtration Market is expected to witness substantial growth, expanding from USD 3.18 billion in 2022 to USD 4.73 billion by 2029, at a CAGR of 5.6% during the forecast period (2023-2029). The COVID-19 pandemic has had a significant impact on the laboratory filtration market, with a notable increase in the adoption of filtration techniques for vaccine development and manufacturing. This surge in demand can be attributed to the urgent need for effective vaccines to combat the spread of the virus.

Advancements in filtration technologies have led to the development of more efficient and precise filtration systems, enhancing the overall performance and reliability of laboratory processes. Additionally, vaccination initiatives and favorable patient demographics, including increased vaccination rates among newborns and children, have contributed to the growing demand for laboratory filtration equipment.

However, the market does face certain challenges that may hinder its growth in specific applications. The reuse of filters, although cost-effective, may raise concerns regarding the potential for cross-contamination and compromised filtration efficiency. Moreover, the high costs associated with laboratory filtration equipment and consumables can pose financial constraints for some end-users.

Market Segmentation

The market is segmented based on various factors, including Technology, Product, and Geography.

Segmentation by Technology

Microfiltration

Ultrafiltration

Reverse Osmosis

Vacuum Filtration

Nanofiltration

Segmentation by Product

Filtration Media %li%Membrane Filters, Filter Papers, Filtration Microplates, Syringeless Filters, Syringe Filters, Capsule Filters

Filtration Assemblies %li%Microfiltration Assemblies, Ultrafiltration Assemblies, Vacuum Filtration Assemblies, Reverse Osmosis Assemblies, Nanofiltration Assemblies

Filtration Accessories

Segmentation by Geography

North America %li%United States, Canada, and Mexico

Europe %li%United Kingdom, Germany, France, Italy, Spain, and Rest of Europe

Asia-Pacific %li%China, Japan, India, Australia, South Korea, and Rest of Asia-Pacific

Latin America %li%Brazil, Argentina, and Rest of Latin America

Middle East and Africa %li%GCC, South Africa, and Rest of Middle East and Africa

Ultrafiltration is a process that separates small particles and dissolved molecules from liquids based on size and other properties. It is commonly used to separate proteins from buffer components for various purposes. The growth of the ultrafiltration segment is driven by its advantages and wide applicability, including protein purification, vaccine manufacturing, and increased research investments. Ultrafiltration offers high product throughput and rapid results, overcoming limitations of traditional techniques like

chromatography. The rising demand for vaccines further contributes to the segment's growth, as ultrafiltration is a crucial step in vaccine production. Overall, the advantages of ultrafiltration, its broad applicability, and increased vaccine production are expected to drive the segment's growth in the future.

North America is expected to witness significant growth in the laboratory filtration market due to increased research efforts and investments in research and development by both public and private sectors. This focus on developing advanced products creates new opportunities for the market. Key drivers for market growth in North America include product launches, a high concentration of market players, and strategic acquisitions and partnerships among major industry players.

Competitive Landscape

The Laboratory Filtration Market is witnessing increased competition as key players expand their filtration portfolios through acquisitions and collaborations. This creates opportunities for both new entrants and established leaders. The competitive landscape includes analysis of international and local companies such as 3M Company, Agilent Technologies, Inc., Ahlstrom-Munksjo Oyj, Danaher Corporation, GVS S.p.A., MACHEREY-NAGEL GmbH & Co. KG, Merck KGaA, Sartorius AG, and Thermo Fisher Scientific Inc., who hold significant market shares.

Recent Industry Developments

Pall Corporation launched new Allegro Connect Systems in September 2022. These systems support Depth Filtration, Virus Filtration, Bulk Fill of drug substances, and Buffer Management System for manufacturing workflows.

In April 2022, Eaton expanded its activated carbon filter media. The improved BECO CARBON filter sheets have high adsorption properties, making them perfect for rigorous liquid filtration. These filters excel in decolourisation and remove undesired by-products, correcting taste, odor, and color. They are ideal for pharmaceutical and biotechnology industries.

Why Choose This Report

Gain a reliable outlook of the global laboratory filtration market forecasts from 2023 to 2029 across scenarios.

Identify growth segments for investment.

Stay ahead of competitors through company profiles and market data.

The market estimate for ease of analysis across scenarios in Excel format.

Strategy consulting and research support for three months.

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