

Global Petri Dishes Market Size Study & Forecast, by Product Type (Glass and Plastic), By End-user (Hospital & Clinical Laboratories, Diagnostic Centers, Pharmaceutical & Biotechnology Companies, Academic & Research Institutes, and Others), and Regional Analysis, 2023-2030

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Abstracts

Global Petri Dishes Market is valued at approximately USD 384.5 million in 2022 and is anticipated to grow with a healthy growth rate of more than 4.2% over the forecast period 2023-2030. Petri dishes are shallow, circular, and transparent glass or plastic dishes with lids. They are widely used in laboratory settings for cultivating and observing microorganisms such as bacteria, fungi, and algae. Petri dishes provide a sterile environment for the growth of microorganisms on a nutrient agar gel or agarose medium. The dishes are essential tools in microbiology, allowing scientists to culture, isolate, and study microorganisms for various research, diagnostic, and educational purposes. Petri dishes are also used for performing microbiological tests, counting bacterial colonies, and conducting experiments in fields such as molecular biology, genetics, and pharmaceutical development. The Petri Dishes Market is expanding because of factors such as the surge in demand from end-use industries, advancements in healthcare infrastructure, rise in adoption of sterile disposable products, and increased focus on environmental monitoring.

In addition, the growing environmental concerns surrounding the disposal of plastic petri dishes have spurred a shift towards biodegradable and innovative materials for manufacturing. Researchers and organizations are increasingly prioritizing sustainability, driving the adoption of eco-friendly alternatives. Initiatives by government bodies, research institutes, and healthcare facilities aim to foster sustainable practices

in laboratories, promoting the use of biodegradable labware. A 2021 report from the Emory Office of Sustainability Initiatives (EOSI) highlighted The Morran Lab's efforts in Biology to reduce waste by implementing reusable alternatives to disposable dishes. Collaborative workshops, such as the one organized by Green Labs Austria, Merck KGaA, and the University of Vienna in November 2022, underscore the collective commitment to developing systemic solutions for recycling and reducing single-use plastics in laboratories. The concerted efforts of stakeholders and researchers towards sustainable practices are expected to drive a significant and enduring trend towards green labs, fostering a more environmentally responsible approach to laboratory operations. Thus, rising shifting towards biodegradable labware for sustainability is propelling the growth of the Petri Dishes Market during the estimated period. Moreover, the increasing research and development activities among healthcare providers, as well as the growth of biotechnology and pharmaceutical sectors, present various lucrative opportunities over the forecast years. However, the competition from alternative technologies and the regulatory compliance are challenging the market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Petri Dishes Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 with largest market share owing to the growing demand for pharmaceuticals and therapies, leading to rising use of labware by researchers. Furthermore, the expansion initiatives undertaken by healthcare companies are facilitating increased product penetration in the region. For instance, in March 2023, Thermo Fisher Scientific Inc. inaugurated a cell therapy facility at the University of California, San Francisco, aimed at expediting the advancement of ground-breaking therapies. This initiative is anticipated to further elevate the demand for labware instrumentation essential for the research processes. Whereas, Asia Pacific is expected to grow at the fastest growth rate over the forecast years. The growing emphasis on establishing new distribution centers to improve the supply of labware, including cell culture dishes to bolster support for the biopharma and biotech industry is anticipated to drive the adoption of such products. For example, in July 2023, Avantor Inc. expanded its Singapore Hub, incorporating newly added cGMP manufacturing and a QC laboratory. This expansion initiative aims to fortify the region's innovation and biopharma infrastructure, signaling a positive trajectory for the adoption of labware products in the area.

Major market players included in this report are:

Corning Incorporated (U.S.)

Thermo Fisher Scientific Inc. (U.S.)

SARSTEDT AG & Co. KG (Germany)

Sumitomo Bakelite Co., Ltd. (Japan)

Greiner AG (Austria)

TPP Techno Plastic Products AG (Switzerland)

Avantor, Inc. (Japan)

Crystalgen, Inc. (U.S.)

Wuxi NEST Biotechnology Co., Ltd. (China)

CELLTREAT Scientific Products (U.S.)

Recent Developments in the Market:

In May 2023, Avantor, Inc. collaborated with Labguru, a research-to-production platform catering to prominent global pharmaceutical companies and national research institutes. The collaboration aims to deliver top-notch products for laboratory use.

In November 2022, Merck KGaA partnered with Biotheus to expedite the drug submission and approval procedures within the biopharmaceutical sector in China. This collaboration has risen the demand for labware in the industry.

In May 2022, Thermo Fisher Scientific Inc. partnered with LabShares, a facility offering lab space and co-working opportunities for life science and biotech firms. This partnership seeks to expedite early-stage discovery and development through shared laboratory spaces, thus bolstering market advancement.

Global Petri Dishes Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Product Type, End-user, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Product Type:

Glass

Plastic

By End-user:

Hospital & Clinical Laboratories

Diagnostic Centers

Pharmaceutical & Biotechnology Companies

Academic & Research Institutes

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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