

Global Plasmid Purification Market Size study, by Offering (Products, Services), by Grade (Molecular Grade, Transfection Grade), by Application (Cloning & Protein Expression, Transfection & Gene Editing, Others), by End-use (Pharmaceutical & Biotechnology Companies, Academic & Research Institutes, Contract Research Organizations) and Regional Forecasts 2022-2032

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Abstracts

Global Plasmid Purification Market was valued at approximately USD 1.78 billion in 2023, exhibiting a robust CAGR of 11.69% throughout the forecast period from 2024 to 2032. Plasmid purification has emerged as a cornerstone in molecular biology, underpinning a wide array of applications such as gene cloning, genetic engineering, and gene expression studies. This sophisticated process is integral for obtaining high-quality plasmid DNA, which is indispensable for downstream applications including sequencing, transformation, and polymerase chain reactions (PCR). The integrity and purity of plasmid DNA directly influence the success of experiments, especially in transfection assays where gene expression efficiency is paramount. Consequently, the adoption of advanced plasmid purification technologies, which ensure the removal of impurities and deliver high-yield, high-purity plasmid DNA, is on the rise.

The Global Plasmid Purification Market is driven by burgeoning demand for recombinant DNA technology products, coupled with the continuous advancements in purification techniques, serves as a major driving force for market growth. Moreover, the increasing acceptance and implementation of cell and gene therapies in treating chronic diseases further bolster the expansion of this market. However, costs associated with

advanced purification methods and regulatory and ethical challenges in gene therapy is going to impede the overall demand for the market during forecast period 2022-2032.

The key regions considered for the market study includes Asia Pacific, North America, Europe, Latin America, and Rest of the World. In 2023, North America, with its leading-edge research facilities, government funding, and commercial demand for molecular cloned products, dominated the market. This region benefits from extensive investments in cell and gene therapy research and development, positioning it as a leader in this space. Furthermore, the Asia Pacific region is poised to experience the fastest growth over the forecast period. Factors such as the rising prevalence of chronic diseases, expanding research activities in genetic engineering, and the growing adoption of gene therapies in this region contribute to its rapid market expansion.

Major market players included in this report are:

Merck KGaA

QIAGEN

Thermo Fisher Scientific, Inc.

Takara Bio

Promega Corporation

Zymo Research

MP Biomedicals

New England Biolabs

MCLAB

Applied Biological Materials Inc.

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

By Offering

Global Plasmid Purification Market Size study, by Offering (Products, Services), by Grade (Molecular Grade, Tr...

Products

Services

By Grade

Molecular Grade

Transfection Grade

By Application

Cloning & Protein Expression

Transfection & Gene Editing

Others

By End-use

Pharmaceutical & Biotechnology Companies

Academic & Research Institutes

Contract Research Organizations

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

RoLA

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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