

GMP Testing Service Market Report by Service Type (Packaging and Shelf-life Testing, Product Validation Testing, Bioanalytical Services, and Others), End User (Pharmaceutical and Biopharmaceutical Companies, Medical Device Companies), and Region 2024-2032

<https://marketpublishers.com/r/GC75D9D224B8EN.html>

Date: March 2024

Pages: 148

Price: US\$ 3,899.00 (Single User License)

ID: GC75D9D224B8EN

Abstracts

The global GMP testing service market size reached US\$ 1.5 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 2.5 Billion by 2032, exhibiting a growth rate (CAGR) of 5.34% during 2024-2032. The increasing level of regulatory scrutiny across various industries, the stringent regulatory environment compelling businesses to invest in GMP testing services, and the rise in contract manufacturing and outsourcing are some of the major factors propelling the market.

GMP testing service refers to good manufacturing practice testing, a crucial element in ensuring the quality and safety of various products including pharmaceuticals, food, and medical devices. The service is aimed at confirming that manufacturers adhere to established quality standards throughout the production process. By performing systematic tests, GMP testing services evaluate the efficacy, safety, and quality of products. This often involves assessing the cleanliness of the manufacturing environment, validation of manufacturing processes, and stringent quality control tests for the final products. The objective is to minimize the risks associated with cross-contamination, errors, and inconsistencies, thereby safeguarding consumer well-being. Utilizing GMP testing services is not only a regulatory requirement in many jurisdictions but also a mark of integrity and quality assurance for manufacturers. This service is instrumental in helping companies gain consumer trust and meet legal compliance, ultimately ensuring that only high-quality, safe, and effective products reach the market.

One of the most significant market drivers for good manufacturing practice (GMP)

testing services is the increasing level of regulatory scrutiny across various industries, especially in the pharmaceutical, food, and medical device sectors. Therefore, the stringent regulatory environment compels businesses to invest in GMP testing services as a preventative measure against non-compliance, thereby driving demand for these services. Along with this, the rise in contract manufacturing and outsourcing is an additional factor propelling the growth of the GMP testing services market. Companies are increasingly turning to third-party manufacturers to produce their goods, which involves multiple stages of quality control to ensure that the products meet regulatory and customer expectations. This trend elevates the need for trustworthy GMP testing services that can assess the quality of products made by various manufacturers at different locations. In addition, transparency about sourcing, production methods, and environmental impact is increasingly being seen as a competitive advantage for businesses. To meet this demand, companies are scrutinizing their supply chains and production methods closely, further raising the demand for GMP testing services.

GMP Testing Service Market Trends/Drivers: Rising Consumer Awareness and Expectations

Consumer behavior has evolved significantly with the advent of digital technologies that facilitate easy access to information. Along with this, consumers are informed about the products they use, from their ingredients to the ethical considerations surrounding their production. This increased awareness has set high expectations for product quality, safety, and efficacy, especially in sectors like healthcare and food production. In addition, consumers are now willing to pay a premium for products that guarantee these attributes, which puts additional pressure on manufacturers to comply with quality standards. In such a market context, GMP testing services serve as a verifiable way for companies to showcase their commitment to quality and safety. Third-party GMP certification acts as a mark of trust and can be a significant factor in purchasing decisions. Therefore, the rise in consumer awareness and expectations serves as a critical driver for the growth of the GMP testing service market.

Continuous Technological Advancements

The rapid technological advancements in analytical methods and equipment are another major driver in the GMP testing services market. In addition, the introduction of cutting-edge technologies such as High-Performance Liquid Chromatography (HPLC), Mass Spectrometry, and Next-Generation Sequencing allows for more accurate, efficient, and comprehensive testing procedures. These technologies provide a more in-

depth understanding of product composition and potential contaminants, which is essential for ensuring quality and safety. Along with this, the utilization of these advanced technologies enables GMP testing services to offer more precise and timely results. This efficiency speeds up the time-to-market for products and helps manufacturers quickly identify and address any quality issues, thereby reducing the risks associated with product recalls or legal action. Moreover, companies are increasingly relying on GMP testing services equipped with the latest technologies to meet the ever-rising quality standards.

Globalization of Supply Chains

In today's interconnected world, supply chains have become increasingly globalized. Ingredients and components often come from multiple countries, each with its own set of regulations and quality standards. This complexity introduces several challenges in ensuring consistent quality and safety across all products. Furthermore, global supply chains are susceptible to various risks such as contamination, adulteration, and fraudulent practices, all of which can compromise product quality. In confluence with this, GMP testing services play a pivotal role in ensuring that products meet the quality and safety criteria irrespective of their origin. These services can audit and test products at various stages of the supply chain, ensuring compliance with international standards. This is particularly crucial for companies that export products, as they need to meet the regulatory requirements of both the country of origin and the destination markets. Therefore, the globalization of supply chains significantly contributes to the growing demand for comprehensive GMP testing services.

GMP Testing Service Industry Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global GMP testing service market, along with forecasts at the global levels from 2024-2032. Our report has categorized the market based on service type and end user.

Breakup By Service Type:

- Packaging and Shelf-life Testing
- Product Validation Testing
- Bioanalytical Services
- Others

Product validation testing dominates the market

The report has provided a detailed breakup and analysis of the market based on the

service type. This includes packaging and shelf-life testing, product validation testing, bioanalytical services, and others. According to the report, product validation testing represented the largest segment.

Product validation testing within the GMP testing service industry is experiencing significant market growth, driven by the stringent regulatory requirements across sectors, such as pharmaceuticals, food, and medical devices necessitating rigorous validation testing to ensure products meet established safety and efficacy benchmarks. Failure to pass these validation tests can result in costly recalls, legal consequences, and reputational damage, making companies increasingly proactive in employing these services. Additionally, as technological advancements continue to introduce complex formulations and components, the need for sophisticated validation testing grows correspondingly to ensure that these new elements adhere to quality standards. Along with this, consumer awareness about product quality is at an all-time high, largely due to easy access to information. Consumers now demand transparency and evidence of product safety, making validation testing a significant market differentiator. Moreover, the globalization of supply chains makes validation testing indispensable for ensuring consistency in product quality, irrespective of the origin of components or the manufacturing location.

Breakup By End User:

Pharmaceutical and Biopharmaceutical Companies
Medical Device Companies

Pharmaceutical and biopharmaceutical companies hold the largest share in the market

A detailed breakup and analysis of the market based on the end user has also been provided in the report. These include pharmaceutical and biopharmaceutical companies and medical device companies. According to the report, pharmaceutical and biopharmaceutical companies accounted for the largest market share.

The growing demand for GMP testing services among pharmaceutical and biopharmaceutical companies is fueled by stringent guidelines laid out by authorities such as the FDA and EMA necessitate comprehensive GMP testing to ensure product safety and efficacy. Along with this, the increasing complexity of pharmaceuticals, especially with the rise of biologics and gene therapies, calls for advanced GMP testing to validate quality and performance. As companies continue to expand globally, the harmonization of quality standards becomes critical, making GMP testing essential for

ensuring consistent quality across diverse markets. Another driving force is the accelerating pace of drug development and commercialization, especially evident during events like the rapid development of COVID-19 vaccines. This fast-tracking intensifies the need for reliable GMP testing services that can keep up with the accelerated timelines without compromising on quality control. Lastly, public and stakeholder scrutiny is higher than ever in the healthcare sector. Issues related to drug safety and effectiveness have far-reaching consequences, making it imperative for companies to invest in top-notch GMP testing services as a risk-mitigation strategy.

Breakup by Region:

North America

United States

Canada

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

North America exhibits a clear dominance, accounting for the largest GMP testing service market share

The market research report has also provided a comprehensive analysis of all the major

regional markets, which include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, North America exhibited the largest segment.

The market for GMP testing services in North America is experiencing robust growth, driven by the growing awareness and demand for high-quality and safe products. The North American market is characterized by well-informed consumers who seek transparency and assurance that the products they consume meet the highest safety and efficacy standards. Technological innovation is another critical factor. The availability of advanced testing technologies and methods enables more accurate and efficient quality control processes, thereby bolstering the GMP testing market.

Additionally, the prevalence of global supply chains in North America industries increases the complexity of ensuring consistent product quality, further fueling the need for comprehensive GMP testing. Furthermore, the region has a growing biotechnology sector, where rapid innovation and product development amplify the importance of reliable GMP testing services. These drivers collectively contribute to the strong demand for GMP testing services in North America.

Competitive Landscape:

The global market is experiencing significant growth due to the rapid advancements in testing technologies that provide more efficient and accurate methods for quality control. Along with this, the emerging trend of outsourcing production to third-party manufacturers amplifies the need for universal quality standards, driving demand for GMP testing services. In addition, companies merging with or acquiring others inherit new systems and processes, necessitating GMP testing services to ensure that integrated systems meet all regulatory standards. Thus, this is positively influencing the market. Apart from this, modern consumers demand ethically produced and environmentally friendly products. GMP testing services can help companies verify that their products meet these sustainability standards, in addition to ensuring quality and safety. In confluence with this, brands expanding into new product lines require adaptable GMP testing services that can validate a variety of products against multiple sets of regulations, significantly supporting the market. Furthermore, the escalating demand for GMP testing services that offer rapid validation without compromising on quality is contributing to the market.

The market report has provided a comprehensive analysis of the competitive landscape

in the market. Detailed profiles of all major companies have also been provided. Some of the key players in the market include:

Almac Group
Charles River Laboratories International Inc.
Eurofins Scientific SE
ICON plc
Intertek Group plc
Merck KGaA
Nelson Laboratories LLC (Sotera Health Company)
North American Science Associates LLC
Pace Analytical Services LLC
PPD Inc. (Thermo Fisher Scientific Inc.)
Sartorius AG
Wuxi Aptec Co. Ltd.

Recent Developments:

In August 2023, Charles River Laboratories International Inc. formed a partnership with Fondazione Telethon to manufacture High Quality (HQ) plasmids.

In September 2020, Almac Group added biologics testing solutions to the range of analytical services it offers. In order to assist customers' drug substance and drug product programmes for both innovative biologics and biosimilars, the business stated its services would now also comprise, in part, GMP lot release and stability services.

In October 2022, the life science division of Merck KGaA, Darmstadt, Germany's MilliporeSigma, announced the opening of a commercial facility for its brand-new Millipore CTDMO Services product at its Martillac, France, location.

Key Questions Answered in This Report

1. How big is the global GMP testing service market?
2. What is the expected growth rate of the global GMP testing service market during 2024-2032?
3. What are the key factors driving the global GMP testing service market?
4. What has been the impact of COVID-19 on the global GMP testing service market?
5. What is the breakup of the global GMP testing service market based on the service type?
6. What is the breakup of the global GMP testing service market based on the end user?
7. What are the key regions in the global GMP testing service market?

8. Who are the key players/companies in the global GMP testing service market?

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