

Cell & Gene Therapy Bioanalytical Testing Services Market, 2028- Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028 Segmented By Test Type (Bioavailability & Bioequivalence Studies, Pharmacokinetics, Pharmacodynamics, Other test Stage of Development), By Product Type (Gene Therapy, Gene-Modified Cell Therapy, Cell Therapy), By Stage of Development (Non-Clinical, Clinical), By Indication (Oncology, Infectious Diseases, Neurological disorders, Rare Diseases, Others), By Region, By Competition.

<https://marketpublishers.com/r/C9108076E89EEN.html>

Date: October 2023

Pages: 189

Price: US\$ 4,900.00 (Single User License)

ID: C9108076E89EEN

Abstracts

Global Cell & Gene Therapy Bioanalytical Testing Services Market has valued at USD 411.01 million in 2022 and is anticipated to project impressive growth in the forecast period with a CAGR of 8.18% through 2028. The field of cell and gene therapy has witnessed remarkable advancements in recent years, offering new hope for the treatment of various genetic and chronic diseases. These revolutionary therapies have the potential to transform the healthcare landscape, providing personalized and highly effective treatment options. However, the development and commercialization of cell and gene therapies come with unique challenges, including stringent regulatory requirements and the need for robust bioanalytical testing services.

Cell and gene therapies represent a groundbreaking approach to medical treatment by harnessing the power of a patient's own cells to combat diseases at their source. These therapies involve modifying or replacing genes to correct genetic mutations or enhance

the body's ability to fight diseases, and they have shown significant promise in treating conditions such as cancer, rare genetic disorders, and autoimmune diseases. As the research and development of cell and gene therapies continue to expand, so does the demand for rigorous bioanalytical testing services to ensure their safety and efficacy.

Several factors contribute to the rapid growth of the global cell & gene therapy bioanalytical testing services. Governments, pharmaceutical companies, and venture capitalists have been pouring significant investments into the development of cell and gene therapies. This has led to a surge in clinical trials and a greater need for comprehensive testing services throughout the product lifecycle. Regulatory agencies, such as the U.S. Food and Drug Administration (FDA) and the European Medicines Agency (EMA), have established stringent guidelines for cell and gene therapies. Compliance with these regulations necessitates extensive bioanalytical testing, including safety, efficacy, and quality assessments. The evolution of analytical technologies, such as mass spectrometry, flow cytometry, and next-generation sequencing, has enabled more precise and efficient bioanalytical testing, further boosting the market. The growing awareness of cell and gene therapies and their potential to address unmet medical needs has increased patient and healthcare provider demand. This has, in turn, driven the need for more comprehensive testing services.

While the cell & gene therapy bioanalytical testing services market is poised for substantial growth, it faces several challenges, including the need for harmonized regulatory guidelines and the scarcity of skilled professionals in this specialized field. However, as technology continues to advance, these challenges are expected to be addressed. In the coming years, the market is likely to witness increased collaboration between pharmaceutical companies, CROs, and academic institutions to ensure comprehensive testing throughout the development process. Additionally, the emergence of advanced analytical techniques and automation will enhance the efficiency and accuracy of bioanalytical testing, further accelerating the growth of this market.

Key Market Drivers

Increasing Investment in Cell and Gene Therapy Research and Development is Driving the Global Cell & Gene Therapy Bioanalytical Testing Services Market

The field of cell and gene therapy has witnessed remarkable advancements in recent

years, offering new hope for patients with previously incurable diseases. This innovative approach to medical treatment involves modifying a patient's own cells or genes to combat various illnesses, including genetic disorders, cancer, and autoimmune diseases. As the potential of cell and gene therapy becomes increasingly evident, there has been a surge in investment in research and development (R&D) in this sector. One vital aspect of advancing this field is bioanalytical testing services, which play a pivotal role in ensuring the safety, efficacy, and quality of these therapies.

The global demand for effective and safe cell and gene therapies has led to a surge in R&D efforts. Governments, pharmaceutical companies, and biotechnology firms have recognized the immense potential of these therapies and are investing heavily in their development. As a result, cell and gene therapy R&D expenditures have increased significantly in recent years.

Governments around the world have established funding programs to support cell and gene therapy research. These initiatives aim to accelerate the development of new therapies and facilitate their clinical translation. For example, in the United States, the National Institutes of Health (NIH) has allocated substantial funding to advance gene therapy research and development. Leading pharmaceutical companies have been actively engaging in partnerships and acquisitions of biotechnology firms specializing in cell and gene therapy. These collaborations are driven by the potential for groundbreaking therapies and the growing demand for bioanalytical testing services to ensure their safety and efficacy. Venture capital and private equity firms are also recognizing the potential for significant returns on investments in cell and gene therapy companies. These financial injections help these companies advance their R&D efforts and expand their capabilities in bioanalytical testing. Bioanalytical testing services are a critical component of cell and gene therapy development. These services encompass a wide range of analytical techniques and assays that assess the quality, safety, and efficacy of therapeutic products. They include pharmacokinetics, pharmacodynamics, immunogenicity, and potency testing, among others. As cell and gene therapies are highly complex and personalized, rigorous testing is essential to ensure their success. Numerous companies specializing in bioanalytical testing services have emerged to cater to the growing demand. Established contract research organizations (CROs) have also expanded their capabilities to provide specialized testing services for cell and gene therapies.

Rising Prevalence of Genetic and Rare Diseases is Driving the Global Men's Health Supplements Market

Genetic and rare diseases, often referred to as orphan diseases, are conditions that affect a relatively small number of individuals compared to more common diseases. These disorders are typically caused by genetic mutations and can result in a wide range of debilitating symptoms, significantly impacting the quality of life for affected individuals. What makes these diseases particularly challenging is the lack of available treatments, making them a significant area of unmet medical need. In recent years, the prevalence of genetic and rare diseases has been on the rise. This increase can be attributed to several factors, including improved diagnostics, increased awareness, and advances in genetic sequencing technologies. With a better understanding of the genetic basis of these diseases, more cases are being identified, leading to a higher reported prevalence.

Cell and gene therapies have emerged as a promising solution for many genetic and rare diseases. These cutting-edge treatments involve modifying or replacing a patient's genetic material to correct or mitigate the effects of the disease. Unlike traditional pharmaceuticals, cell and gene therapies have the potential to provide long-lasting or even curative effects, making them highly desirable for patients with rare and debilitating conditions. Cell and gene therapies have already demonstrated remarkable success in treating diseases like spinal muscular atrophy, certain types of leukemia, and inherited retinal disorders. As the field continues to advance, more therapies are in development for a wide range of genetic and rare diseases.

Ensuring the safety and efficacy of cell and gene therapies is paramount. These therapies involve complex processes that can introduce potential risks, including unintended genetic changes, immune system reactions, and off-target effects. To address these concerns and meet regulatory requirements, extensive bioanalytical testing is essential throughout the development and manufacturing of these therapies. Bioanalytical testing services encompass a wide range of techniques, including genetic sequencing, cell-based assays, and analytical chemistry methods. These tests are designed to assess the quality, purity, and potency of cell and gene therapy products. They also play a critical role in monitoring patient responses and identifying any adverse events.

Key Market Challenges

Regulatory Challenges

One of the most significant challenges facing the cell and gene therapy bioanalytical testing services market is the evolving and often stringent regulatory landscape.

Regulators worldwide are striving to strike a balance between ensuring patient safety and fostering innovation. Achieving regulatory compliance can be a complex and time-consuming process, leading to delays in bringing therapies to market.

Standardization and Validation

The lack of standardized testing methodologies and validation protocols for cell and gene therapy products poses a considerable challenge. Each therapy may require unique testing approaches, making it difficult for testing laboratories to establish consistent and reproducible processes. Standardization efforts are underway, but progress has been slow.

Scalability and Capacity Constraints

The growing demand for cell and gene therapy bioanalytical testing services has strained the capacity of testing laboratories. Scalability remains a significant challenge as laboratories struggle to keep pace with the increasing number of therapies in development and the need for large-scale production.

Data Management and Analysis

Cell and gene therapy bioanalytical testing generate vast amounts of complex data, requiring sophisticated data management and analysis capabilities. Handling, storing, and interpreting this data is a significant challenge. Moreover, ensuring data integrity and security is crucial to meet regulatory requirements.

Cost and Pricing Pressures

The high cost of developing and delivering cell and gene therapies places significant financial burdens on both manufacturers and patients. Bioanalytical testing services account for a substantial portion of these costs. Balancing affordability with the need for quality testing services is a constant challenge for market players.

Talent Shortages

The specialized nature of cell and gene therapy bioanalytical testing requires a skilled workforce. However, there is a shortage of qualified personnel with expertise in this field. Attracting and retaining top talent remains a challenge for testing laboratories and biotech companies.

Supply Chain Vulnerabilities

Global supply chain disruptions, as seen during the COVID-19 pandemic, have highlighted the vulnerability of the cell and gene therapy industry. Ensuring the availability of critical reagents and materials is crucial for uninterrupted testing services.

Patient Access and Equity

Ensuring equitable access to cell and gene therapies is an ethical challenge facing the industry. These therapies hold the potential to transform lives, but access disparities exist due to factors like cost, geography, and healthcare infrastructure. Bridging this gap is essential for realizing the full potential of these treatments.

Key Market Trends

Technological Advancements

In recent years, the field of cell and gene therapy has emerged as a transformative force in the realm of medicine. Offering the promise of personalized, targeted treatments for a wide range of diseases, cell and gene therapies have captured the imagination of researchers, clinicians, and patients alike. As this field continues to expand, the demand for advanced bioanalytical testing services has surged. The convergence of cutting-edge technologies and the need for precise, reliable testing has fueled the growth of the Global Cell & Gene Therapy Bioanalytical Testing Services Market.

One of the significant advancements in bioanalytical testing for cell and gene therapies is the ability to analyze single cells. Traditional bulk analysis often masks heterogeneity within cell populations, making it challenging to assess the true impact of therapeutic interventions. Single-cell analysis technologies, such as single-cell RNA sequencing and single-cell proteomics, allow researchers to delve deeper into cell behavior, enhancing our understanding of therapy mechanisms and safety. The emergence of the CRISPR-Cas9 gene-editing technology has revolutionized gene therapy research. This precise and versatile tool enables scientists to edit genes with unprecedented accuracy. Bioanalytical testing services have adapted to accommodate CRISPR-based therapies, providing critical assessments of the edited genes' function and potential off-target effects. The availability of state-of-the-art analytical instruments has greatly enhanced the quality and speed of bioanalytical testing. Technologies like mass spectrometry, flow

cytometry, and next-generation sequencing have become more accessible and affordable, allowing for comprehensive and high-throughput analysis of cellular and genetic components. AI and machine learning algorithms are being integrated into bioanalytical testing to improve data analysis and interpretation. These technologies can identify patterns, predict outcomes, and optimize experimental design, reducing both time and costs associated with testing. Technological advancements have accelerated the discovery of biomarkers that can serve as indicators of therapeutic efficacy and safety. Biomarkers enable more precise monitoring of treatment responses and provide valuable insights for personalized medicine approaches.

Segmental Insights

Test Type Insights

Based on the category of Test Type, the bioavailability & bioequivalence studies segment emerged as the dominant player in the global market for Cell & Gene Therapy Bioanalytical Testing Services in 2022. Bioavailability and bioequivalence studies are critical in the development and approval process of pharmaceuticals, including cell and gene therapies. Regulatory agencies, such as the U.S. Food and Drug Administration (FDA) and the European Medicines Agency (EMA), require these studies to assess the safety and efficacy of new therapies. This regulatory demand ensures a consistent and robust market for bioanalytical testing services in this segment. Cell and gene therapies are often complex and innovative treatments that require rigorous testing to ensure their safety and efficacy. Bioavailability and bioequivalence studies help determine how well these therapies are absorbed, distributed, metabolized, and excreted in the body. This information is crucial for assessing their therapeutic potential and potential side effects. The cell and gene therapy market has been experiencing significant growth due to advancements in biotechnology and the development of innovative therapies. As more companies invest in this sector, the demand for bioanalytical testing services, including bioavailability and bioequivalence studies, has surged.

Stage of Development Insights

The non-clinical segment is projected to experience rapid growth during the forecast period. Developers may want to file patents to protect their cell and gene therapy innovations. Demonstrating the uniqueness and effectiveness of a therapy through comprehensive non-clinical data can be essential for securing IP rights. In a highly competitive field like cell and gene therapy, having a solid foundation in the non-clinical stage can provide a competitive advantage. Companies with strong non-clinical data are

better positioned to progress to clinical trials and ultimately bring their therapies to market. Companies looking to attract investors or potential pharmaceutical partners often need to showcase promising data from the non-clinical stage. Strong non-clinical data can enhance a company's credibility and increase the likelihood of securing funding or partnerships, which are crucial for advancing therapies through clinical development.

Regional Insights

North America emerged as the dominant player in the global Cell & Gene Therapy Bioanalytical Testing Services market in 2022, holding the largest market share in terms of value. North America, particularly the United States, has a long history of investing in biomedical research and development. This investment has led to significant advancements in the field of cell and gene therapy. Many pioneering research institutions, universities, and biotech companies are located in North America, which has given the region a head start in the development and commercialization of cell and gene therapies. The United States has a well-established regulatory framework for biotechnology and pharmaceuticals, with agencies like the FDA (Food and Drug Administration) providing clear guidelines for the development and approval of cell and gene therapies. This regulatory clarity has encouraged innovation and investment in the industry. North America has a strong financial ecosystem with access to venture capital, private equity, and public markets. This makes it easier for biotech companies and startups to secure funding for research, clinical trials, and commercialization efforts.

Key Market Players

BioAgilytix Labs Inc.

KCAS Bioanalytical & Biomarker Services

IQVIA, Inc.

Laboratory Corporation of America Holdings

Pharmaceutical Product Development, Inc. (Thermo Fisher Scientific Inc.)

Prolytix pvt ltd

Pharmaron Biologics (UK) Ltd

Charles River Laboratories International, Inc.

Syneos Health Ltd

Intertek Group Plc

Report Scope:

In this report, the Global Cell & Gene Therapy Bioanalytical Testing Services Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Cell & Gene Therapy Bioanalytical Testing Services Market, By Test Type:

Bioavailability & Bioequivalence Studies

Pharmacokinetics

Pharmacodynamics

Other test type

Cell & Gene Therapy Bioanalytical Testing Services Market, By Product Type:

Gene Therapy

Gene-Modified Cell Therapy

Cell Therapy

Cell & Gene Therapy Bioanalytical Testing Services Market, By Stage of Development:

Non-Clinical

Clinical

Cell & Gene Therapy Bioanalytical Testing Services Market, By Indication:

Oncology

Infectious Diseases

Neurological disorders

Rare Diseases

Others

Cell & Gene Therapy Bioanalytical Testing Services Market, By Region:

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia-Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Cell & Gene Therapy Bioanalytical Testing Services Market.

Available Customizations:

Global Cell & Gene Therapy Bioanalytical Testing Services market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. PRODUCT OVERVIEW

- 1.1. Market Definition
- 1.2. Scope of the Market
 - 1.2.1. Markets Covered
 - 1.2.2. Years Considered for Study
 - 1.2.3. Key Market Segmentations

2. RESEARCH METHODOLOGY

- 2.1. Objective of the Study
- 2.2. Baseline Methodology
- 2.3. Key Industry Partners
- 2.4. Major Association and Secondary Sources
- 2.5. Forecasting Methodology
- 2.6. Data Triangulation & Validation
- 2.7. Assumptions and Limitations

3. EXECUTIVE SUMMARY

4. VOICE OF CUSTOMER

5. GLOBAL CELL & GENE THERAPY BIOANALYTICAL TESTING SERVICES MARKET OUTLOOK

- 5.1. Market Size & Forecast
 - 5.1.1. By Value
- 5.2. Market Share & Forecast
 - 5.2.1. By Test Type (Bioavailability & Bioequivalence Studies, Pharmacokinetics, Pharmacodynamics, Other test Type)
 - 5.2.2. By Product Type (Gene Therapy, Gene-Modified Cell Therapy, Cell Therapy)
 - 5.2.3. By Stage of Development (Non-Clinical, Clinical)
 - 5.2.4. By Indication (Oncology, Infectious Diseases, Neurological disorders, Rare Diseases, Others)
 - 5.2.5. By Region
 - 5.2.6. By Company (2022)
- 5.3. Market Map

6. NORTH AMERICA CELL & GENE THERAPY BIOANALYTICAL TESTING SERVICES MARKET OUTLOOK

6.1. Market Size & Forecast

6.1.1. By Value

6.2. Market Share & Forecast

6.2.1. By Test Type

6.2.2. By Product Type

6.2.3. By Stage of Development

6.2.4. By Indication

6.2.5. By Country

6.3. North America: Country Analysis

6.3.1. United States Cell & Gene Therapy Bioanalytical Testing Services Market Outlook

6.3.1.1. Market Size & Forecast

6.3.1.1.1. By Value

6.3.1.2. Market Share & Forecast

6.3.1.2.1. By Test Type

6.3.1.2.2. By Product Type

6.3.1.2.3. By Stage of Development

6.3.1.2.4. By Indication

6.3.2. Canada Cell & Gene Therapy Bioanalytical Testing Services Market Outlook

6.3.2.1. Market Size & Forecast

6.3.2.1.1. By Value

6.3.2.2. Market Share & Forecast

6.3.2.2.1. By Test Type

6.3.2.2.2. By Product Type

6.3.2.2.3. By Stage of Development

6.3.2.2.4. By Indication

6.3.3. Mexico Cell & Gene Therapy Bioanalytical Testing Services Market Outlook

6.3.3.1. Market Size & Forecast

6.3.3.1.1. By Value

6.3.3.2. Market Share & Forecast

6.3.3.2.1. By Test Type

6.3.3.2.2. By Product Type

6.3.3.2.3. By Stage of Development

6.3.3.2.4. By Indication

7. EUROPE CELL & GENE THERAPY BIOANALYTICAL TESTING SERVICES MARKET OUTLOOK

7.1. Market Size & Forecast

7.1.1. By Value

7.2. Market Share & Forecast

7.2.1. By Test Type

7.2.2. By Product Type

7.2.3. By Stage of Development

7.2.4. By Indication

7.3. Europe: Country Analysis

7.3.1. Germany Cell & Gene Therapy Bioanalytical Testing Services Market Outlook

7.3.1.1. Market Size & Forecast

7.3.1.1.1. By Value

7.3.1.2. Market Share & Forecast

7.3.1.2.1. By Test Type

7.3.1.2.2. By Product Type

7.3.1.2.3. By Stage of Development

7.3.1.2.4. By Indication

7.3.2. United Kingdom Cell & Gene Therapy Bioanalytical Testing Services Market Outlook

7.3.2.1. Market Size & Forecast

7.3.2.1.1. By Value

7.3.2.2. Market Share & Forecast

7.3.2.2.1. By Test Type

7.3.2.2.2. By Product Type

7.3.2.2.3. By Stage of Development

7.3.2.2.4. By Indication

7.3.3. Italy Cell & Gene Therapy Bioanalytical Testing Services Market Outlook

7.3.3.1. Market Size & Forecast

7.3.3.1.1. By Value

7.3.3.2. Market Share & Forecast

7.3.3.2.1. By Test Type

7.3.3.2.2. By Product Type

7.3.3.2.3. By Stage of Development

7.3.3.2.4. By Indication

7.3.4. France Cell & Gene Therapy Bioanalytical Testing Services Market Outlook

7.3.4.1. Market Size & Forecast

7.3.4.1.1. By Value

7.3.4.2. Market Share & Forecast

7.3.4.2.1. By Test Type

7.3.4.2.2. By Product Type

7.3.4.2.3. By Stage of Development

7.3.4.2.4. By Indication

7.3.5. Spain Cell & Gene Therapy Bioanalytical Testing Services Market Outlook

7.3.5.1. Market Size & Forecast

7.3.5.1.1. By Value

7.3.5.2. Market Share & Forecast

7.3.5.2.1. By Test Type

7.3.5.2.2. By Product Type

7.3.5.2.3. By Stage of Development

7.3.5.2.4. By Indication

8. ASIA-PACIFIC CELL & GENE THERAPY BIOANALYTICAL TESTING SERVICES MARKET OUTLOOK

8.1. Market Size & Forecast

8.1.1. By Value

8.2. Market Share & Forecast

8.2.1. By Test Type

8.2.2. By Product Type

8.2.3. By Stage of Development

8.2.4. By Indication

8.3. Asia-Pacific: Country Analysis

8.3.1. China Cell & Gene Therapy Bioanalytical Testing Services Market Outlook

8.3.1.1. Market Size & Forecast

8.3.1.1.1. By Value

8.3.1.2. Market Share & Forecast

8.3.1.2.1. By Test Type

8.3.1.2.2. By Product Type

8.3.1.2.3. By Stage of Development

8.3.1.2.4. By Indication

8.3.2. India Cell & Gene Therapy Bioanalytical Testing Services Market Outlook

8.3.2.1. Market Size & Forecast

8.3.2.1.1. By Value

8.3.2.2. Market Share & Forecast

8.3.2.2.1. By Test Type

8.3.2.2.2. By Product Type

- 8.3.2.2.3. By Stage of Development
- 8.3.2.2.4. By Indication
- 8.3.3. Japan Cell & Gene Therapy Bioanalytical Testing Services Market Outlook
 - 8.3.3.1. Market Size & Forecast
 - 8.3.3.1.1. By Value
 - 8.3.3.2. Market Share & Forecast
 - 8.3.3.2.1. By Test Type
 - 8.3.3.2.2. By Product Type
 - 8.3.3.2.3. By Stage of Development
 - 8.3.3.2.4. By Indication
- 8.3.4. South Korea Cell & Gene Therapy Bioanalytical Testing Services Market Outlook
 - 8.3.4.1. Market Size & Forecast
 - 8.3.4.1.1. By Value
 - 8.3.4.2. Market Share & Forecast
 - 8.3.4.2.1. By Test Type
 - 8.3.4.2.2. By Product Type
 - 8.3.4.2.3. By Stage of Development
 - 8.3.4.2.4. By Indication
- 8.3.5. Australia Cell & Gene Therapy Bioanalytical Testing Services Market Outlook
 - 8.3.5.1. Market Size & Forecast
 - 8.3.5.1.1. By Value
 - 8.3.5.2. Market Share & Forecast
 - 8.3.5.2.1. By Test Type
 - 8.3.5.2.2. By Product Type
 - 8.3.5.2.3. By Stage of Development
 - 8.3.5.2.4. By Indication

9. SOUTH AMERICA CELL & GENE THERAPY BIOANALYTICAL TESTING SERVICES MARKET OUTLOOK

- 9.1. Market Size & Forecast
 - 9.1.1. By Value
- 9.2. Market Share & Forecast
 - 9.2.1. By Test Type
 - 9.2.2. By Product Type
 - 9.2.3. By Stage of Development
 - 9.2.4. By Indication
- 9.3. South America: Country Analysis

9.3.1. Brazil Cell & Gene Therapy Bioanalytical Testing Services Market Outlook

9.3.1.1. Market Size & Forecast

9.3.1.1.1. By Value

9.3.1.2. Market Share & Forecast

9.3.1.2.1. By Test Type

9.3.1.2.2. By Product Type

9.3.1.2.3. By Stage of Development

9.3.1.2.4. By Indication

9.3.2. Argentina Cell & Gene Therapy Bioanalytical Testing Services Market Outlook

9.3.2.1. Market Size & Forecast

9.3.2.1.1. By Value

9.3.2.2. Market Share & Forecast

9.3.2.2.1. By Test Type

9.3.2.2.2. By Product Type

9.3.2.2.3. By Stage of Development

9.3.2.2.4. By Indication

9.3.3. Colombia Cell & Gene Therapy Bioanalytical Testing Services Market Outlook

9.3.3.1. Market Size & Forecast

9.3.3.1.1. By Value

9.3.3.2. Market Share & Forecast

9.3.3.2.1. By Test Type

9.3.3.2.2. By Product Type

9.3.3.2.3. By Stage of Development

9.3.3.2.4. By Indication

10. MIDDLE EAST AND AFRICA CELL & GENE THERAPY BIOANALYTICAL TESTING SERVICES MARKET OUTLOOK

10.1. Market Size & Forecast

10.1.1. By Value

10.2. Market Share & Forecast

10.2.1. By Test Type

10.2.2. By Product Type

10.2.3. By Stage of Development

10.2.4. By Indication

10.3. MEA: Country Analysis

10.3.1. South Africa Cell & Gene Therapy Bioanalytical Testing Services Market Outlook

10.3.1.1. Market Size & Forecast

- 10.3.1.1.1. By Value
- 10.3.1.2. Market Share & Forecast
 - 10.3.1.2.1. By Test Type
 - 10.3.1.2.2. By Product Type
 - 10.3.1.2.3. By Stage of Development
 - 10.3.1.2.4. By Indication
- 10.3.2. Saudi Arabia Cell & Gene Therapy Bioanalytical Testing Services Market Outlook
 - 10.3.2.1. Market Size & Forecast
 - 10.3.2.1.1. By Value
 - 10.3.2.2. Market Share & Forecast
 - 10.3.2.2.1. By Test Type
 - 10.3.2.2.2. By Product Type
 - 10.3.2.2.3. By Stage of Development
 - 10.3.2.2.4. By Indication
- 10.3.3. UAE Cell & Gene Therapy Bioanalytical Testing Services Market Outlook
 - 10.3.3.1. Market Size & Forecast
 - 10.3.3.1.1. By Value
 - 10.3.3.2. Market Share & Forecast
 - 10.3.3.2.1. By Test Type
 - 10.3.3.2.2. By Product Type
 - 10.3.3.2.3. By Stage of Development
 - 10.3.3.2.4. By Indication

11. MARKET DYNAMICS

- 11.1. Drivers
- 11.2. Challenges

12. MARKET TRENDS & DEVELOPMENTS

- 12.1. Merger & Acquisition
- 12.2. Product Development
- 12.3. Recent Developments

13. GLOBAL CELL & GENE THERAPY BIOANALYTICAL TESTING SERVICES MARKET: SWOT ANALYSIS

14. COMPETITIVE LANDSCAPE

14.1. Business Overview

14.2. Age Group Offerings

14.3. Recent Developments

14.4. Key Personnel

14.5. SWOT Analysis

14.5.1. BioAgilytix Labs Inc.

14.5.2. KCAS Bioanalytical & Biomarker Services

14.5.3. IQVIA, Inc.

14.5.4. Laboratory Corporation of America Holdings

14.5.5. Pharmaceutical Product Development, Inc. (Thermo Fisher Scientific Inc.)

14.5.6. Prolytix pvt ltd

14.5.7. Pharmaron Biologics (UK) Ltd

14.5.8. Charles River Laboratories International, Inc.

14.5.9. Syneos Health Ltd

14.5.10. Intertek Group Plc

15. STRATEGIC RECOMMENDATIONS

16. ABOUT US & DISCLAIMER

I would like to order

Product name: Cell & Gene Therapy Bioanalytical Testing Services Market, 2028- Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028 Segmented By Test Type (Bioavailability & Bioequivalence Studies, Pharmacokinetics, Pharmacodynamics, Other test Stage of Development), By Product Type (Gene Therapy, Gene-Modified Cell Therapy, Cell Therapy), By Stage of Development (Non-Clinical, Clinical), By Indication (Oncology, Infectious Diseases, Neurological disorders, Rare Diseases, Others), By Region, By Competition.

Product link: <https://marketpublishers.com/r/C9108076E89EEN.html>

Price: US\$ 4,900.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/C9108076E89EEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970