

Global Bioanalytical Testing Services Market

Market Research Report | 2023-09-21 | 167 pages | BCC Research

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Report description:

Description

Report Scope:

The report's scope includes an overview of the global market on bioanalytical testing services and an analysis of global market trends, using 2022 as the base year and forecasting 2023 through 2028 with a compound annual growth rate (CAGR) projection.

The report analyzes leading services, applications, end user, and product details for the bioanalytical testing services market. Leading market players' profiles, specific services, financial information, and recent market activities are provided. This report also assesses companies' mergers & acquisitions and funding activities and their impact in the face of the competitive environment. The report details the bioanalytical testing services market based on service type, application, and end user. The market is segmented into pharmacokinetics studies, bioequivalence and bioavailability studies, biomarker testing services, cell-based assays, virology testing, method development, optimization & validation, serology, immunogenicity, and neutralizing antibodies, and others.

The market is categorized as oncology, immunology, neurology, infectious diseases, cardiovascular diseases, and others. The market is segmented into pharmaceutical and biopharmaceutical companies, contract research organizations, contract development and manufacturing organizations, and others. The report also consists of the impact of the COVID-19 pandemic on this market. Regional analysis includes North America (U.S., Canada, Mexico), Europe (UK, Germany, France, Spain, Italy, Rest of Europe), Asia-Pacific (China, India, Japan, and Rest of Asia-Pacific), and the Rest of the World (South America, and the Middle East and Africa).

Report Includes:

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- 45 data tables and 44 additional tables
- An overview of the global market for bioanalytical testing services
- An estimate of market size and analyses of global market trends, with data from 2023, estimates for 2024, and projections of compound annual growth rates (CAGRs) through 2028
- Characterization and quantification of the global market for bioanalytical testing services on the basis of technology, application, end user and region
- Information on sample requirements for discovery bioanalysis, preclinical and clinical bioanalysis and descriptions of toxicokinetic and pharmacokinetics studies
- Coverage of technological advances in the drug discovery process and information on investments in the R&D of biologics, biosimilars and other specialty drugs
- An examination of the drivers and constraints that will shape the market, and a discussion of the upcoming market opportunities in order to forecast the market by its segments and sub-segments
- An assessment of existing products as well as those in the pipelines of the major players in the market
- Coverage of recent advances, emerging technologies and ongoing developments in the industry
- An evaluation of key industry acquisitions and strategic alliances, and an analysis of the market shares of the leading companies
- Company profiles of major players within the industry, including SGS S.A., Intertek Group PLC, Eurofins Scientific SE, Charles River International Laboratories, Inc., Inotiv Inc., and WuXi AppTec

Executive Summary

Summary:

The global pharmaceutical market is expected to expand further as the global economy grows, the global population increases, the ageing population grows, technology advances, healthcare expenditures rise, and public health awareness grows. Further, pharmaceutical research and production is predicted to continue growing rapidly, owing to increased outsourcing in major pharmaceutical corporations and increased demand from small and medium pharmaceutical enterprises. Because new drug development R&D has significant investment, a long cycle, and a high risk, large pharmaceutical businesses are required to promote R&D projects through external R&D institutes in order to increase R&D efficiency and minimize R&D expenses as a result of low R&D returns and the "patent cliff" faced by drug producers.

Small and medium pharmaceutical as well as biotechnology firms, virtual enterprises, and individual entrepreneurs, have emerged as a key driving force in pharmaceutical innovation. These small and medium pharmaceutical enterprises lack the time and budget to establish the laboratory and manufacturing facilities required for their own R&D projects, but they require a variety of services to satisfy the demands of R&D projects in a timely manner. As a result, they will seek R&D and production outsourcing services, particularly integrated end-to-end R&D services, to suit their R&D service requirements ranging from idea validation through product launch, thus driving the bioanalytical testing services market.

Bioanalytical testing is crucial for developing new drugs. Pharmacokinetics and toxicology studies are assessed using bioanalytical techniques to measure medicines and their metabolites or biomarkers in biological fluids. These techniques can be used to research human clinical toxicity and pharmacology. The most important aspect during drug development is comprehending the drug concentration after injection or consumption. Drug concentration affects a drug's bioavailability and effects throughout that time. The drug won't have the expected effects if the concentration is too low, while the system may become toxic if the concentration is too high.

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