

ADME Toxicology Testing Market Report by Technology (Cell Culture, High Throughput Screening, Molecular Imaging, OMICS Technology, and Others), Product Type (Instruments, Software Solutions, Assay Systems, Reagents, and Others), Method (In-Vivo, In-Vitro, In-Silica, and Others), Application (Systemic Toxicity, Renal Toxicity, Hepatotoxicity, Neurotoxicity, and Others), and Region 2024-2032

<https://marketpublishers.com/r/A53AE24EC4E9EN.html>

Date: August 2024

Pages: 145

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

ID: A53AE24EC4E9EN

Abstracts

The global ADME toxicology testing market size reached US\$ 9.2 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 26.1 Billion by 2032, exhibiting a growth rate (CAGR) of 11.9% during 2024-2032. The market is experiencing moderate growth driven by the increasing demand for safer and more effective pharmaceuticals, stringent regulatory requirements for drug development, demand for personalized medicine, and advancements in in vitro testing methods.

ADME Toxicology Testing Market Analysis:

Market Growth and Size: The global ADME toxicology testing market is experiencing moderate growth. It is driven by increasing pharmaceutical R&D and drug safety assessment demands.

Technological Advancements: Technological advancements have led to the development of more sophisticated and accurate ADME toxicology testing methods. The integration of automation, high-throughput screening, and in-silico modeling is enhancing testing efficiency and accuracy. Emerging technologies

like organ-on-a-chip and 3D cell culture systems are poised to revolutionize ADME testing in the future.

Industry Applications: ADME toxicology testing is extensively applied in pharmaceutical and biotechnology companies for drug development and safety evaluation. It is also used in environmental toxicology studies to assess the impact of chemicals on ecosystems. Contract research organizations (CROs) play a pivotal role in providing ADME testing services to various industries.

Geographical Trends: North America holds a significant position in the ADME toxicology testing market, with a robust presence of pharmaceutical companies and research institutions. Asia-Pacific is witnessing rapid growth, driven by the outsourcing of drug development processes to countries like India and China.

Competitive Landscape: The market is characterized by intense competition with key players focusing on innovation, mergers and acquisitions (M&A), and expanding their global footprint. These strategies aim to enhance product portfolios, meet specific industry needs, and address the challenges of an evolving market.

Challenges and Opportunities: Challenges include the high cost of advanced ADME testing technologies and the complexity of interpreting data. Opportunities lie in expanding applications beyond pharmaceuticals, such as in the food and cosmetics industries, and in offering specialized ADME services.

Future Outlook: The ADME toxicology testing market is poised for continued growth, driven by advancements in technology, increasing demand for personalized medicine, and expanding applications in various industries. Collaboration between industry and regulatory bodies will shape the future landscape, ensuring the safety and efficacy of drugs and chemicals.

ADME Toxicology Testing Market Trends:

Increasing prevalence of chronic diseases

One of the major factors propelling the ADME toxicology testing market is the rising prevalence of chronic diseases worldwide. Chronic illnesses like cancer, diabetes, and cardiovascular diseases necessitate extensive research and development of new drugs.

ADME toxicology testing plays a crucial role in this process by ensuring the safety and effectiveness of these pharmaceuticals. As these diseases continue to pose significant health challenges globally, there is a growing need for extensive drug testing to mitigate potential side effects and ensure patient safety. The ADME toxicology tests provide valuable insights into how drugs are absorbed, distributed, metabolized, and excreted by the body, which is vital in the development of effective and safe medications for chronic diseases. This ongoing demand for new pharmaceutical solutions to combat chronic conditions is, therefore, a significant driver for the growth of the market.

Technological advancements

The ADME toxicology testing market is also benefiting from rapid advancements in technology. Modern testing methods, such as in vitro and in silico models, are increasingly being adopted over traditional in vivo methods, offering more accurate, efficient, and cost-effective testing options. These innovative approaches reduce the reliance on animal testing, align with ethical standards, and provide faster results. Technological advancements have also enabled the development of high-throughput screening methods, which allow for the simultaneous testing of multiple drug compounds, significantly accelerating the drug development process. Furthermore, advancements in computational biology and bioinformatics are enhancing the predictive accuracy of ADME toxicology tests, thereby increasing their reliability and efficiency.

Increasing regulatory compliance

The stringent regulatory standards set by authorities like the FDA and EMA for drug approval are another significant driver for the ADME Toxicology Testing market. These regulatory bodies mandate thorough safety assessments of new drug entities before they can be approved for clinical use. ADME toxicology testing is integral to these assessments, as it provides crucial data on a drug's potential toxicological effects on the human body. The increasing complexity of new pharmaceutical compounds and the heightened awareness of drug-induced toxicities have led to more rigorous regulatory requirements. This has compelled pharmaceutical and biotechnology companies to invest more in ADME toxicology testing to ensure compliance with these regulations.

Expanding pharmaceutical industry

One of the primary factors driving the ADME is the significant increase in research and development expenditure in the pharmaceutical sector. As companies invest more in developing new drugs, there is a heightened need for comprehensive ADME toxicology

testing to ensure drug safety and efficacy. This testing is critical in identifying potential toxic effects and metabolic pathways early in the drug development process, thereby reducing the risk of late-stage failures. Moreover, with the growing complexity of new pharmaceutical compounds, there is an increased reliance on sophisticated ADME toxicology studies to understand the behavior of these compounds within the body. This trend is further bolstered by stringent regulatory requirements that mandate thorough toxicology testing before a drug can be approved, thereby driving demand in this market segment.

ADME Toxicology Testing Industry Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the market, along with forecasts at the global, regional, and country levels for 2024-2032. Our report has categorized the market based on technology, product type, method, and application.

Breakup by Technology:

Cell Culture

High Throughput Screening

Molecular Imaging

OMICS Technology

Others

Cell culture accounts for the majority of the market share

The report has provided a detailed breakup and analysis of the market based on the technology. This includes cell culture, high throughput screening, molecular imaging, omics technology, and others. According to the report, cell culture represented the largest segment.

The cell culture segment accounts for the largest share in the ADME Toxicology Testing market. This segment involves the cultivation of cells in controlled laboratory conditions to study their behavior in response to various drugs and chemicals. Cell culture-based

ADME testing provides valuable insights into drug absorption, metabolism, and toxicity within living cells, making it an essential component of preclinical drug development. It allows researchers to evaluate drug candidates in a biological context, providing data on cell viability, drug interactions, and potential adverse effects, ultimately aiding in the selection of safe and efficacious drug candidates.

High throughput screening (HTS) is a crucial segment in the ADME Toxicology Testing market, characterized by the automated and rapid screening of a large number of compounds to identify potential drug candidates. HTS allows for the efficient evaluation of drug metabolism, toxicity, and efficacy by assessing the interactions between compounds and cellular targets on a high-throughput scale. This segment plays a vital role in streamlining drug discovery processes, reducing costs, and expediting the identification of promising drug candidates.

Molecular imaging is another significant segment within the ADME Toxicology Testing market. It involves the use of advanced imaging technologies, such as positron emission tomography (PET) and magnetic resonance imaging (MRI), to visualize and track molecular processes within living organisms. Molecular imaging allows researchers to gain real-time insights into drug distribution, tissue uptake, and metabolic changes, facilitating the assessment of drug behavior at the molecular level. This segment is particularly valuable in drug development and personalized medicine, where precise molecular information is essential for decision-making.

The OMICS technology segment encompasses a range of advanced analytical techniques, including genomics, proteomics, metabolomics, and transcriptomics. These technologies allow for comprehensive profiling of biological molecules and pathways affected by drugs and chemicals. OMICS-based ADME testing provides a holistic understanding of how compounds interact with biological systems, enabling researchers to identify biomarkers, assess drug responses, and predict potential toxicities. This segment is at the forefront of personalized medicine, where individual patient profiles are used to tailor drug therapies.

Breakup by Product Type:

Instruments

Software Solutions

Assay Systems

Reagents

Others

Software solutions dominate the market

A detailed breakup and analysis of the market based on the product type have also been provided in the report. This includes instruments, software solutions, assay systems, reagents, and others. According to the report, software solutions accounted for the largest market share.

The market segmentation based on instruments includes a wide array of laboratory equipment and tools essential for ADME toxicology testing. This segment encompasses high-throughput screening (HTS) systems, liquid chromatography-mass spectrometry (LC-MS) instruments, and various analytical instruments used for studying drug metabolism and pharmacokinetics. These instruments enable researchers to conduct precise and efficient testing, making them indispensable in the ADME testing process.

Software solutions represent the largest segment within the ADME toxicology testing market. These software platforms play a pivotal role in data analysis, modeling, and prediction. They facilitate the interpretation of complex test results, provide insights into drug interactions, and aid in predicting toxicity levels. Advanced software solutions incorporate artificial intelligence (AI) and machine learning algorithms, enhancing their capabilities for predictive toxicology and personalized medicine. The growing emphasis on data-driven decision-making and the need for efficient data management have propelled the dominance of software solutions in the market.

Assay systems are an integral part of ADME toxicology testing, encompassing a wide range of assays used to evaluate drug metabolism, drug-drug interactions, and toxicity. These systems include in vitro and in vivo assays, cell-based assays, and enzyme-linked immunosorbent assays (ELISA). Assay systems are essential for determining the pharmacokinetics and pharmacodynamics of drugs, making them crucial components of ADME testing.

The reagents segment includes a variety of chemicals and compounds used in ADME toxicology testing. These reagents are vital for preparing samples, conducting assays, and assessing toxicity. They encompass substances such as cell culture media, buffers,

substrates, and markers. Reagents play a critical role in ensuring the accuracy and reliability of test results, making them indispensable components of the ADME testing process.

Breakup by Method:

In-Vivo

In-Vitro

In-Silica

Others

In-vivo exhibits a clear dominance in market

A detailed breakup and analysis of the market based on the method have also been provided in the report. This includes in-vivo, in-vitro, in-silica, and others. According to the report, in-vivo accounted for the largest market share.

In-vivo ADME toxicology testing involves studying the effects of drugs or chemicals within a living organism, typically animals. This segment comprises experiments conducted in animals like rodents or non-human primates to assess various pharmacokinetic and toxicological parameters. In-Vivo testing is considered the gold standard for evaluating drug safety and efficacy, especially in the early stages of drug development. It provides crucial insights into how a substance behaves within a complex biological system. The In-Vivo segment remains the largest due to regulatory requirements that often mandate animal testing before human trials, making it a fundamental component of pharmaceutical research and development.

In-vitro ADME toxicology testing involves conducting experiments in controlled laboratory environments using isolated cells, tissues, or biological molecules. This segment includes a wide range of assays and methodologies that allow researchers to assess drug metabolism, toxicity, and interactions without the need for live animals. In-Vitro testing offers several advantages, such as reduced ethical concerns, cost-effectiveness, and the ability to perform high-throughput screening. It is increasingly gaining importance as an alternative to animal testing and is widely utilized in the pharmaceutical industry for early-stage drug screening and toxicity profiling.

In-silica ADME toxicology testing, also known as computational or in-silico modeling, relies on computer simulations and mathematical models to predict the pharmacokinetic and toxicological properties of drugs or chemicals. This segment involves leveraging advanced algorithms and data-driven approaches to analyze molecular structures, predict metabolic pathways, and assess toxicity risks. In-Silica testing is a rapidly evolving field driven by technological advancements and the need to reduce the time and cost associated with traditional testing methods. It is particularly valuable for virtual screening of potential drug candidates, facilitating the identification of lead compounds and optimizing their properties. While currently a smaller segment, In-Silica testing is poised for significant growth as computational techniques become increasingly sophisticated and integrated into drug development pipelines.

Breakup by Application:

Systemic Toxicity

Renal Toxicity

Hepatotoxicity

Neurotoxicity

Others

Systemic toxicity represents the leading market segment

The report has provided a detailed breakup and analysis of the market based on the application. This includes systemic toxicity, renal toxicity, hepatotoxicity, neurotoxicity, and others. According to the report, systemic toxicity represented the largest segment.

The systemic toxicity segment holds the largest share in the ADME toxicology testing market. This segment encompasses assessments of the potential toxicity of substances that affect the entire organism or system, reflecting their ability to cause harm or adverse effects throughout the body. Systemic toxicity testing is vital in pharmaceutical and chemical industries to evaluate the overall safety of drugs and compounds before they are introduced into clinical trials or marketed to the public. Comprehensive testing in this segment involves a range of in vitro and in vivo assays to assess the impact of

substances on vital organs, immune responses, and overall physiological functions, ensuring that potentially harmful compounds are identified and their risks mitigated before reaching consumers.

Renal toxicity, focusing on the evaluation of substances' adverse effects on the kidneys, is a crucial segment in ADME toxicology testing. The kidneys play a pivotal role in filtering waste products from the blood, and any damage to renal function can have severe health implications. Testing for renal toxicity involves a battery of assays to assess markers of kidney function, including glomerular filtration rate (GFR), tubular function, and markers of kidney injury. Identifying compounds with potential renal toxicity is essential in drug development, as it helps prevent nephrotoxicity-related adverse events in clinical trials and post-market surveillance.

Hepatotoxicity, referring to the potential harm caused to the liver by substances, is another critical segment in ADME toxicology testing. The liver is a central organ in drug metabolism and detoxification. Assessing hepatotoxicity involves a range of in vitro and in vivo tests to evaluate the impact of compounds on liver function, including hepatocyte integrity, enzyme levels, and liver histopathology. Early detection of hepatotoxicity is crucial in pharmaceutical research, as liver damage can lead to severe drug-induced liver injury and withdrawal of potentially harmful drugs from the market.

Neurotoxicity testing focuses on assessing the adverse effects of substances on the nervous system, including the brain and peripheral nerves. This segment plays a vital role in drug development, as neurotoxicity can lead to serious central nervous system-related side effects. Tests for neurotoxicity encompass a wide range of in vitro and in vivo models, evaluating parameters such as neuronal function, neurotransmitter release, and neurobehavioral changes. Identifying compounds with neurotoxic potential helps in optimizing drug safety profiles and avoiding neurological adverse events during clinical trials and patient use.

Breakup by Region:

North America

United States

Canada

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

North America leads the market, accounting for the largest ADME toxicology testing 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); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa. According to the report, North America accounted for the largest market share.

In North America, the ADME toxicology testing market is the largest, driven primarily by the extensive pharmaceutical and biotechnology industry in the United States and Canada. The region's robust research and development activities, stringent regulatory requirements, and the presence of major pharmaceutical companies contribute significantly to market growth. Moreover, the increasing demand for personalized medicine and precision drug development is propelling the adoption of ADME toxicology testing in this region. Technological advancements and collaborations between industry and academic institutions further enhance the market's expansion.

Europe is a significant market for ADME toxicology testing, driven by the pharmaceutical and biotechnology sectors in countries like the United Kingdom, Germany, France, and Switzerland. Stringent regulatory frameworks in the European Union necessitate rigorous drug safety assessments, fueling the demand for ADME testing services. Additionally, the growing focus on environmental toxicology and chemical safety evaluation contributes to the market's growth. Technological advancements in the region, along with increasing research initiatives, continue to shape the European ADME testing market.

The Asia Pacific region is experiencing rapid growth in the ADME toxicology testing market, primarily due to the outsourcing of drug development processes to countries like India and China. The presence of a skilled workforce, lower operational costs, and a burgeoning pharmaceutical and biotechnology industry are driving factors. Additionally, the region's increasing research and development investments, along with growing awareness of precision medicine, are fueling market expansion. Collaborations between global pharmaceutical giants and local research organizations further contribute to the growth of the Asia Pacific ADME testing market.

Latin America represents a growing market for ADME toxicology testing, driven by the expansion of pharmaceutical and biotechnology activities in countries like Brazil and Mexico. The region's evolving regulatory landscape and increased emphasis on drug safety are fostering the adoption of ADME testing services. Additionally, the rising demand for personalized medicine and a greater focus on clinical research contribute to market growth. Partnerships and collaborations between local CROs and international pharmaceutical companies are expected to drive further expansion in Latin America.

The Middle East and Africa region are emerging markets for ADME toxicology testing, characterized by increasing pharmaceutical investments and research activities. Countries like the United Arab Emirates and South Africa are at the forefront of market growth, driven by a growing pharmaceutical industry and a focus on healthcare infrastructure development. While the market in this region is smaller compared to others, it is anticipated to witness steady growth as pharmaceutical research and development efforts expand and regulatory requirements become more stringent. The adoption of advanced ADME testing technologies is expected to gain traction in the Middle East and Africa, supporting market development.

Leading Key Players in the ADME Toxicology Testing Industry:

Key players in the market are actively engaged in strategic initiatives to maintain their competitive edge. These initiatives include mergers and acquisitions to expand service portfolios, collaborations with pharmaceutical companies for early-stage toxicity assessment, and the development of cutting-edge technologies for ADME testing. Additionally, market leaders are focusing on geographic expansion, especially in high-growth regions like Asia-Pacific and Latin America, to tap into emerging markets. Furthermore, investments in research and development are aimed at enhancing the accuracy and efficiency of ADME testing methodologies, catering to the evolving needs of the pharmaceutical, biotechnology, and environmental sectors.

The market research report has provided a comprehensive analysis of the competitive landscape. Detailed profiles of all major companies have also been provided. Some of the key players in the market include:

Agilent Technologies Inc.

Beckman Coulter Inc. (Danaher Corporation)

Bioivt LLC

Bio-Rad Laboratories Inc.

Charles River Laboratories International Inc.

Cyprotex Plc (Evotec AG)

Molecular Discovery Ltd.

Perkinelmer Inc.

Promega Corporation

Thermo Fisher Scientific, Inc.

(Please note that this is only a partial list of the key players, and the complete list is provided in the report.)

Latest News:

March 2023: Agilent Technologies' acquisition of e-MSion, the developer of ExD cell technology, represents a strategic move by Agilent to strengthen its position in the field of mass spectrometry and analytical chemistry. ExD cell technology is known for its capabilities in high-resolution mass spectrometry and ion mobility, making it a valuable addition to Agilent's portfolio. This acquisition aligns with Agilent's commitment to delivering innovative solutions to its customers in the life sciences and chemical analysis sectors.

January 2020: Thermo Fisher Scientific's introduction of a next-generation, compressor-free plate sealer in the biotechnology and pharmaceutical sectors signifies a significant advancement in laboratory automation. This innovation streamlines plate sealing processes and also minimizes the need for operator maintenance, enhancing overall operational efficiency. The plate sealer's customization features cater to the diverse requirements of research laboratories, offering flexibility and adaptability for a range of applications. Its integration capabilities with robotic systems further boost productivity, making it a valuable tool for high-throughput environments. Thermo Fisher Scientific's

commitment to providing cutting-edge solutions aligns with the industry's demand for improved reliability, precision, and user-friendly operation in laboratory automation, ultimately benefiting research, drug discovery, and academic projects.

Key Questions Answered in This Report:

How has the global ADME toxicology testing market performed so far, and how will it perform in the coming years?

What are the drivers, restraints, and opportunities in the global ADME toxicology testing market?

What is the impact of each driver, restraint, and opportunity on the global ADME toxicology testing market?

What are the key regional markets?

Which countries represent the most attractive ADME toxicology testing market?

What is the breakup of the market based on technology?

Which is the most attractive technology in the ADME toxicology testing market?

What is the breakup of the market based on the product type?

Which is the most attractive product type in the ADME toxicology testing market?

What is the breakup of the market based on the method?

Which is the most attractive method in the ADME toxicology testing market?

What is the breakup of the market based on the application?

Which is the most attractive application in the ADME toxicology testing market?

What is the competitive structure of the market?

Who are the key players/companies in the global ADME toxicology testing market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL ADME TOXICOLOGY TESTING MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY TECHNOLOGY

- 6.1 Cell Culture
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 High Throughput Screening
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Molecular Imaging

- 6.3.1 Market Trends
- 6.3.2 Market Forecast
- 6.4 OMICS Technology
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast
- 6.5 Others
 - 6.5.1 Market Trends
 - 6.5.2 Market Forecast

7 MARKET BREAKUP BY PRODUCT TYPE

- 7.1 Instruments
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Software Solutions
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Assay Systems
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast
- 7.4 Reagents
 - 7.4.1 Market Trends
 - 7.4.2 Market Forecast
- 7.5 Others
 - 7.5.1 Market Trends
 - 7.5.2 Market Forecast

8 MARKET BREAKUP BY METHOD

- 8.1 In-Vivo
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 In-Vitro
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3 In-Silica
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
- 8.4 Others

8.4.1 Market Trends

8.4.2 Market Forecast

9 MARKET BREAKUP BY APPLICATION

9.1 Systemic Toxicity

9.1.1 Market Trends

9.1.2 Market Forecast

9.2 Renal Toxicity

9.2.1 Market Trends

9.2.2 Market Forecast

9.3 Hepatotoxicity

9.3.1 Market Trends

9.3.2 Market Forecast

9.4 Neurotoxicity

9.4.1 Market Trends

9.4.2 Market Forecast

9.5 Others

9.5.1 Market Trends

9.5.2 Market Forecast

10 MARKET BREAKUP BY REGION

10.1 North America

10.1.1 United States

10.1.1.1 Market Trends

10.1.1.2 Market Forecast

10.1.2 Canada

10.1.2.1 Market Trends

10.1.2.2 Market Forecast

10.2 Asia-Pacific

10.2.1 China

10.2.1.1 Market Trends

10.2.1.2 Market Forecast

10.2.2 Japan

10.2.2.1 Market Trends

10.2.2.2 Market Forecast

10.2.3 India

10.2.3.1 Market Trends

- 10.2.3.2 Market Forecast
- 10.2.4 South Korea
 - 10.2.4.1 Market Trends
 - 10.2.4.2 Market Forecast
- 10.2.5 Australia
 - 10.2.5.1 Market Trends
 - 10.2.5.2 Market Forecast
- 10.2.6 Indonesia
 - 10.2.6.1 Market Trends
 - 10.2.6.2 Market Forecast
- 10.2.7 Others
 - 10.2.7.1 Market Trends
 - 10.2.7.2 Market Forecast
- 10.3 Europe
 - 10.3.1 Germany
 - 10.3.1.1 Market Trends
 - 10.3.1.2 Market Forecast
 - 10.3.2 France
 - 10.3.2.1 Market Trends
 - 10.3.2.2 Market Forecast
 - 10.3.3 United Kingdom
 - 10.3.3.1 Market Trends
 - 10.3.3.2 Market Forecast
 - 10.3.4 Italy
 - 10.3.4.1 Market Trends
 - 10.3.4.2 Market Forecast
 - 10.3.5 Spain
 - 10.3.5.1 Market Trends
 - 10.3.5.2 Market Forecast
 - 10.3.6 Russia
 - 10.3.6.1 Market Trends
 - 10.3.6.2 Market Forecast
 - 10.3.7 Others
 - 10.3.7.1 Market Trends
 - 10.3.7.2 Market Forecast
- 10.4 Latin America
 - 10.4.1 Brazil
 - 10.4.1.1 Market Trends
 - 10.4.1.2 Market Forecast

10.4.2 Mexico

10.4.2.1 Market Trends

10.4.2.2 Market Forecast

10.4.3 Others

10.4.3.1 Market Trends

10.4.3.2 Market Forecast

10.5 Middle East and Africa

10.5.1 Market Trends

10.5.2 Market Breakup by Country

10.5.3 Market Forecast

11 SWOT ANALYSIS

11.1 Overview

11.2 Strengths

11.3 Weaknesses

11.4 Opportunities

11.5 Threats

12 VALUE CHAIN ANALYSIS

13 PORTERS FIVE FORCES ANALYSIS

13.1 Overview

13.2 Bargaining Power of Buyers

13.3 Bargaining Power of Suppliers

13.4 Degree of Competition

13.5 Threat of New Entrants

13.6 Threat of Substitutes

14 PRICE ANALYSIS

15 COMPETITIVE LANDSCAPE

15.1 Market Structure

15.2 Key Players

15.3 Profiles of Key Players

15.3.1 Agilent Technologies Inc.

15.3.1.1 Company Overview

- 15.3.1.2 Product Portfolio
- 15.3.1.3 Financials
- 15.3.1.4 SWOT Analysis
- 15.3.2 Beckman Coulter Inc. (Danaher Corporation)
 - 15.3.2.1 Company Overview
 - 15.3.2.2 Product Portfolio
 - 15.3.2.3 SWOT Analysis
- 15.3.3 Bioivt LLC
 - 15.3.3.1 Company Overview
 - 15.3.3.2 Product Portfolio
- 15.3.4 Bio-Rad Laboratories Inc.
 - 15.3.4.1 Company Overview
 - 15.3.4.2 Product Portfolio
 - 15.3.4.3 Financials
 - 15.3.4.4 SWOT Analysis
- 15.3.5 Charles River Laboratories International Inc.
 - 15.3.5.1 Company Overview
 - 15.3.5.2 Product Portfolio
 - 15.3.5.3 Financials
 - 15.3.5.4 SWOT Analysis
- 15.3.6 Cyprotex Plc (Evotec AG)
 - 15.3.6.1 Company Overview
 - 15.3.6.2 Product Portfolio
 - 15.3.6.3 Financials
- 15.3.7 Molecular Discovery Ltd.
 - 15.3.7.1 Company Overview
 - 15.3.7.2 Product Portfolio
- 15.3.8 PerkinElmer Inc.
 - 15.3.8.1 Company Overview
 - 15.3.8.2 Product Portfolio
 - 15.3.8.3 Financials
 - 15.3.8.4 SWOT Analysis
- 15.3.9 Promega Corporation
 - 15.3.9.1 Company Overview
 - 15.3.9.2 Product Portfolio
- 15.3.10 Thermo Fisher Scientific Inc.
 - 15.3.10.1 Company Overview
 - 15.3.10.2 Product Portfolio
 - 15.3.10.3 Financials

15.3.10.4 SWOT Analysis

List Of Tables

LIST OF TABLES

Table 1: Global: ADME Toxicology Testing Market: Key Industry Highlights, 2023 and 2032

Table 2: Global: ADME Toxicology Testing Market Forecast: Breakup by Technology (in Million US\$), 2024-2032

Table 3: Global: ADME Toxicology Testing Market Forecast: Breakup by Product Type (in Million US\$), 2024-2032

Table 4: Global: ADME Toxicology Testing Market Forecast: Breakup by Method (in Million US\$), 2024-2032

Table 5: Global: ADME Toxicology Testing Market Forecast: Breakup by Application (in Million US\$), 2024-2032

Table 6: Global: ADME Toxicology Testing Market Forecast: Breakup by Region (in Million US\$), 2024-2032

Table 7: Global: ADME Toxicology Testing Market: Competitive Structure

Table 8: Global: ADME Toxicology Testing Market: Key Players

List Of Figures

LIST OF FIGURES

Figure 1: Global: ADME Toxicology Testing Market: Major Drivers and Challenges

Figure 2: Global: ADME Toxicology Testing Market: Sales Value (in Billion US\$), 2018-2023

Figure 3: Global: ADME Toxicology Testing Market Forecast: Sales Value (in Billion US\$), 2024-2032

Figure 4: Global: ADME Toxicology Testing Market: Breakup by Technology (in %), 2023

Figure 5: Global: ADME Toxicology Testing Market: Breakup by Product Type (in %), 2023

Figure 6: Global: ADME Toxicology Testing Market: Breakup by Method (in %), 2023

Figure 7: Global: ADME Toxicology Testing Market: Breakup by Application (in %), 2023

Figure 8: Global: ADME Toxicology Testing Market: Breakup by Region (in %), 2023

Figure 9: Global: ADME Toxicology Testing (Cell Culture) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 10: Global: ADME Toxicology Testing (Cell Culture) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 11: Global: ADME Toxicology Testing (High Throughput Screening) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 12: Global: ADME Toxicology Testing (High Throughput Screening) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 13: Global: ADME Toxicology Testing (Molecular Imaging) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 14: Global: ADME Toxicology Testing (Molecular Imaging) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 15: Global: ADME Toxicology Testing (OMICS Technology) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 16: Global: ADME Toxicology Testing (OMICS Technology) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 17: Global: ADME Toxicology Testing (Others) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 18: Global: ADME Toxicology Testing (Others) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 19: Global: ADME Toxicology Testing (Instruments) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 20: Global: ADME Toxicology Testing (Instruments) Market Forecast: Sales

Value (in Million US\$), 2024-2032

Figure 21: Global: ADME Toxicology Testing (Software Solutions) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 22: Global: ADME Toxicology Testing (Software Solutions) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 23: Global: ADME Toxicology Testing (Assay Systems) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 24: Global: ADME Toxicology Testing (Assay Systems) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 25: Global: ADME Toxicology Testing (Reagents) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 26: Global: ADME Toxicology Testing (Reagents) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 27: Global: ADME Toxicology Testing (Others) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 28: Global: ADME Toxicology Testing (Others) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 29: Global: ADME Toxicology Testing (In-Vivo) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 30: Global: ADME Toxicology Testing (In-Vivo) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 31: Global: ADME Toxicology Testing (In-Vitro) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 32: Global: ADME Toxicology Testing (In-Vitro) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 33: Global: ADME Toxicology Testing (In-Silica) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 34: Global: ADME Toxicology Testing (In-Silica) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 35: Global: ADME Toxicology Testing (Others) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 36: Global: ADME Toxicology Testing (Others) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 37: Global: ADME Toxicology Testing (Systemic Toxicity) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 38: Global: ADME Toxicology Testing (Systemic Toxicity) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 39: Global: ADME Toxicology Testing (Renal Toxicity) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 40: Global: ADME Toxicology Testing (Renal Toxicity) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 41: Global: ADME Toxicology Testing (Hepatotoxicity) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 42: Global: ADME Toxicology Testing (Hepatotoxicity) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 43: Global: ADME Toxicology Testing (Neurotoxicity) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 44: Global: ADME Toxicology Testing (Neurotoxicity) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 45: Global: ADME Toxicology Testing (Others) Market: Sales Value (in Million US\$), 2018 & 2023

Figure 46: Global: ADME Toxicology Testing (Others) Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 47: North America: ADME Toxicology Testing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 48: North America: ADME Toxicology Testing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 49: United States: ADME Toxicology Testing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 50: United States: ADME Toxicology Testing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 51: Canada: ADME Toxicology Testing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 52: Canada: ADME Toxicology Testing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 53: Asia-Pacific: ADME Toxicology Testing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 54: Asia-Pacific: ADME Toxicology Testing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 55: China: ADME Toxicology Testing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 56: China: ADME Toxicology Testing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 57: Japan: ADME Toxicology Testing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 58: Japan: ADME Toxicology Testing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 59: India: ADME Toxicology Testing Market: Sales Value (in Million US\$), 2018

& 2023

Figure 60: India: ADME Toxicology Testing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 61: South Korea: ADME Toxicology Testing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 62: South Korea: ADME Toxicology Testing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 63: Australia: ADME Toxicology Testing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 64: Australia: ADME Toxicology Testing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 65: Indonesia: ADME Toxicology Testing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 66: Indonesia: ADME Toxicology Testing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 67: Others: ADME Toxicology Testing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 68: Others: ADME Toxicology Testing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 69: Europe: ADME Toxicology Testing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 70: Europe: ADME Toxicology Testing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 71: Germany: ADME Toxicology Testing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 72: Germany: ADME Toxicology Testing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 73: France: ADME Toxicology Testing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 74: France: ADME Toxicology Testing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 75: United Kingdom: ADME Toxicology Testing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 76: United Kingdom: ADME Toxicology Testing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 77: Italy: ADME Toxicology Testing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 78: Italy: ADME Toxicology Testing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 79: Spain: ADME Toxicology Testing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 80: Spain: ADME Toxicology Testing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 81: Russia: ADME Toxicology Testing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 82: Russia: ADME Toxicology Testing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 83: Others: ADME Toxicology Testing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 84: Others: ADME Toxicology Testing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 85: Latin America: ADME Toxicology Testing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 86: Latin America: ADME Toxicology Testing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 87: Brazil: ADME Toxicology Testing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 88: Brazil: ADME Toxicology Testing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 89: Mexico: ADME Toxicology Testing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 90: Mexico: ADME Toxicology Testing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 91: Others: ADME Toxicology Testing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 92: Others: ADME Toxicology Testing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 93: Middle East and Africa: ADME Toxicology Testing Market: Sales Value (in Million US\$), 2018 & 2023

Figure 94: Middle East and Africa: ADME Toxicology Testing Market Forecast: Sales Value (in Million US\$), 2024-2032

Figure 95: Middle East and Africa: ADME Toxicology Testing Market: Breakup by Country (in %), 2023

Figure 96: Global: ADME Toxicology Testing Industry: SWOT Analysis

Figure 97: Global: ADME Toxicology Testing Industry: Value Chain Analysis

Figure 98: Global: ADME Toxicology Testing Industry: Porter's Five Forces Analysis

I would like to order

Product name: ADME Toxicology Testing Market Report by Technology (Cell Culture, High Throughput Screening, Molecular Imaging, OMICS Technology, and Others), Product Type (Instruments, Software Solutions, Assay Systems, Reagents, and Others), Method (In-Vivo, In-Vitro, In-Silica, and Others), Application (Systemic Toxicity, Renal Toxicity, Hepatotoxicity, Neurotoxicity, and Others), and Region 2024-2032

Product link: <https://marketpublishers.com/r/A53AE24EC4E9EN.html>

Price: US\$ 3,899.00 (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/A53AE24EC4E9EN.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