

# **In-Vivo CRO Market Size, Trends, Analysis, and Outlook By Model (Rodent Based, Non-Rodent Based), By Modality (Small Molecules, Large Molecules), By Indication (Oncology, CNS Conditions, Diabetes, Obesity, Pain Management, Autoimmune/inflammation conditions, Others), By GLP Type (GLP Toxicology, Non GLP), by Region, Country, Segment, and Companies, 2024-2030**

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## **Abstracts**

The global In-Vivo CRO market size is poised to register 8.9% growth from 2024 to 2030, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global In-Vivo CRO market across By Model (Rodent Based, Non-Rodent Based), By Modality (Small Molecules, Large Molecules), By Indication (Oncology, CNS Conditions, Diabetes, Obesity, Pain Management, Autoimmune/inflammation conditions, Others), By GLP Type (GLP Toxicology, Non GLP).

The In-Vivo Contract Research Organization (CRO) market is witnessing substantial growth due to the increasing outsourcing of preclinical research activities by pharmaceutical and biotechnology companies, rising demand for specialized expertise in in-vivo studies, and expanding drug development pipelines. In-Vivo CROs offer a wide range of services, including pharmacokinetic and toxicology studies, efficacy testing, and safety assessment in animal models, providing crucial data for regulatory submissions and decision-making processes. Factors such as the growing complexity of drug development, tightening regulatory requirements, and the need for cost-effective and time-efficient preclinical research solutions are driving the demand for In-Vivo CRO

services. Additionally, advancements in research methodologies, the emergence of innovative animal models, and the adoption of novel technologies such as imaging modalities and molecular biology tools are further fueling market growth. Moreover, the increasing prevalence of chronic and infectious diseases, the rising demand for biologics and personalized medicine, and the expanding investments in R&D by pharmaceutical and biotechnology companies are expected to drive continued expansion in the In-Vivo CRO market in the foreseeable future.

## In-Vivo CRO Market Drivers, Trends, Opportunities, and Growth Opportunities

This comprehensive study discusses the latest trends and the most pressing challenges for industry players and investors. The In-Vivo CRO market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of In-Vivo CRO survey report provides the market size outlook across types, applications, and other segments across the world and regions. It provides data-driven insights and actionable recommendations for companies in the In-Vivo CRO industry.

## Key market trends defining the global In-Vivo CRO demand in 2024 and Beyond

The industry continues to remain an attractive hub for opportunities for both domestic and global vendors. As the market evolves, factors such as emerging market dynamics, demand from end-user sectors, a growing patient base, changes in consumption patterns, and widening distribution channels continue to play a major role.

## In-Vivo CRO Market Segmentation- Industry Share, Market Size, and Outlook to 2030

The In-Vivo CRO industry comprises a wide range of segments and sub-segments. The rising demand for these product types and applications is supporting companies to increase their investment levels across niche segments. Accordingly, leading companies plan to generate a large share of their future revenue growth from expansion into these niche segments. The report presents the market size outlook across segments to support In-Vivo CRO companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

## Key strategies adopted by companies within the In-Vivo CRO industry

Leading In-Vivo CRO companies are boosting investments to capitalize on untapped potential and future possibilities across niche market segments and surging demand

conditions in key regions. Further, companies are leveraging advanced technologies to unlock opportunities and achieve operational excellence. The report provides key strategies opted for by the top 10 In-Vivo CRO companies.

### In-Vivo CRO Market Study- Strategic Analysis Review

The In-Vivo CRO market research report dives deep into the qualitative factors shaping the market, empowering you to make informed decisions-

**Industry Dynamics:** Porter's Five Forces analysis to understand bargaining power, competitive rivalry, and threats that impact long-term strategy formulation.

**Strategic Insights:** Provides valuable perspectives on key players and their approaches based on comprehensive strategy analysis.

**Internal Strengths and Weaknesses:** Develop targeted strategies to leverage strengths, address weaknesses, and capitalize on market opportunities.

**Future Possibilities:** Prepare for diverse outcomes with in-depth scenario analysis. Explore potential market disruptions, technology advancements, and economic changes.

### In-Vivo CRO Market Size Outlook- Historic and Forecast Revenue in Three Cases

The In-Vivo CRO industry report provides a detailed analysis and outlook of revenue generated by companies from 2018 to 2023. Further, with actual data for 2023, the report forecasts the market size outlook from 2024 to 2030 in three case scenarios- low case, reference case, and high case scenarios.

### In-Vivo CRO Country Analysis and Revenue Outlook to 2030

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2030. In addition, region analysis across Asia Pacific, Europe, the Middle East, Africa, North America, and South America is included in the study. For each of the six regions, the market size outlook by segments is forecast for 2030.

### North America In-Vivo CRO Market Size Outlook- Companies plan for focused

*In-Vivo CRO Market Size, Trends, Analysis, and Outlook By Model (Rodent Based, Non-Rodent Based), By Modality...*

investments in a changing environment

The US continues to remain the market leader in North America, driven by a large consumer base, the presence of well-established providers, and a strong end-user industry demand. Leading companies focus on new product launches in the changing environment. The US economy is expected to grow in 2024 (around 2.2% growth in 2024), potentially driving demand for various In-Vivo CRO market segments. Similarly, Strong end-user demand is encouraging Canadian In-Vivo CRO companies to invest in niche segments. Further, as Mexico continues to strengthen its trade relations and invest in technological advancements, the Mexico In-Vivo CRO market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe In-Vivo CRO Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European In-Vivo CRO industry with consumers in Germany, France, the UK, Spain, Italy, and others anticipated to register a steady demand throughout the forecast period, driving the overall market prospects. In addition, the proactive approach of businesses in identifying and leveraging new growth prospects positions the European In-Vivo CRO market for an upward trajectory, fostering both domestic and international interest. Leading brands operating in the industry are emphasizing effective marketing strategies, innovative product offerings, and a keen understanding of consumer preferences.

Asia Pacific In-Vivo CRO Market Size Outlook- an attractive hub for opportunities for both local and global companies

The increasing prevalence of indications, robust healthcare expenditure, and increasing investments in healthcare infrastructure drive the demand for In-Vivo CRO in Asia Pacific. In particular, China, India, and South East Asian In-Vivo CRO markets present a compelling outlook for 2030, acting as a magnet for both domestic and multinational manufacturers seeking growth opportunities. Similarly, with a burgeoning population and a rising middle class, India offers a vast consumer market. Japanese and Korean companies are quickly aligning their strategies to navigate changes, explore new markets, and enhance their competitive edge. Our report utilizes in-depth interviews with industry experts and comprehensive data analysis to provide a comprehensive outlook of 6 major markets in the region.

Latin America In-Vivo CRO Market Size Outlook- Continued urbanization and rising income levels

Rising income levels contribute to greater purchasing power among consumers, spurring consumption and creating opportunities for market expansion. Continued urbanization and rising income levels are expected to sustainably drive consumption growth in the medium to long term.

Middle East and Africa In-Vivo CRO Market Size Outlook- continues its upward trajectory across segments

Robust demand from Middle Eastern countries including Saudi Arabia, the UAE, Qatar, Kuwait, and other GCC countries supports the overall Middle East In-Vivo CRO market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for In-Vivo CRO.

In-Vivo CRO Market Company Profiles

The global In-Vivo CRO market is characterized by intense competitive conditions with leading companies opting for aggressive marketing to gain market shares. The report presents business descriptions, SWOT analysis, growth strategies, and financial profiles. Leading companies included in the study are Biocytogen Boston Corp, Charles River Laboratories, Crown Bioscience, Evotec, GemPharmatech, Icon Plc, IQVIA Inc, Janvier Labs, Labcorp Drug Development, Parexel International Corp, PsychoGenics Inc, SMO Clinical Research (I) Pvt Ltd, Taconic Biosciences Inc

Recent In-Vivo CRO Market Developments

The global In-Vivo CRO market study presents recent market news and developments including new product launches, mergers, acquisitions, expansions, product approvals, and other updates in the industry.

In-Vivo CRO Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2030 (Forecast)

*In-Vivo CRO Market Size, Trends, Analysis, and Outlook By Model (Rodent Based, Non-Rodent Based), By Modality...*

Period)

Currency: USD; (Upon request, can be provided in Euro, JPY, GBP, and other Local Currency)

Qualitative Analysis

Pricing Analysis

Value Chain Analysis

SWOT Profile

Market Dynamics- Trends, Drivers, Challenges

Porter's Five Forces Analysis

Macroeconomic Impact Analysis

Case Scenarios- Low, Base, High

Market Segmentation:

By Model Type

Rodent Based

-Rat Models

-Mice Models

-Others

Non-Rodent Based

By Modality

Small Molecules

## Large Molecules

- Cell & Gene Therapy

- CAR T-Cell Therapies

- CAR-NK Cell Therapy

- TCR-T Cell Therapy

- Others

- RNA Therapy

- Others

## By Indication

### Oncology

- Blood cancer

- Solid tumor

- Syngeneic Model

- Patient Derived Xenograft

- Xenograft

- Others

### CNS Conditions

- Epilepsy

- Parkinson's Disease

-Huntington's Disease

-Stroke

-Muscular Dystrophy

-Alzheimer's Disease

-Traumatic Brain Injury

-Amyotrophic Lateral Sclerosis (ALS)

-Spinal Muscular Atrophy

-Muscle Regeneration

-Others

Diabetes

Obesity

Pain Management

-Chronic Pain

-Acute Pain

Autoimmune/inflammation conditions

-Rheumatoid Arthritis

-Multiple Sclerosis

-Osteoarthritis

-Irritable Bowel Syndrome

-Others



Others

By GLP Type

GLP Toxicology

Non GLP

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Biocytogen Boston Corp

Charles River Laboratories

Crown Bioscience

Evotec

GemPharmatech

Icon Plc

IQVIA Inc

Janvier Labs

Labcorp Drug Development

Parexel International Corp

PsychoGenics Inc

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- CAR-NK Cell Therapy
- TCR-T Cell Therapy
- Others
- RNA Therapy
- Others
- By Indication
- Oncology
- Blood cancer
- Solid tumor
- Syngeneic Model
- Patient Derived Xenograft
- Xenograft
- Others
- CNS Conditions
- Epilepsy
- Parkinson's Disease
- Huntington's Disease
- Stroke
- Muscular Dystrophy
- Alzheimer's Disease
- Traumatic Brain Injury
- Amyotrophic Lateral Sclerosis (ALS)
- Spinal Muscular Atrophy
- Muscle Regeneration
- Others
- Diabetes
- Obesity
- Pain Management
- Chronic Pain
- Acute Pain
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- Rheumatoid Arthritis

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Others

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Charles River Laboratories

Crown Bioscience

Evotec

GemPharmatech

Icon Plc

IQVIA Inc

Janvier Labs

Labcorp Drug Development

Parexel International Corp

PsychoGenics Inc

SMO Clinical Research (I) Pvt Ltd

Taconic Biosciences Inc

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