

Rat Model Market Size, Trends, Analysis, and Outlook By Type (Knockout, Outbred, Inbred, Hybrid, Immunodeficient, Conditioned), By Technology (Nuclear Transferase, Microinjection, Embryonic Stem Cell, Others), By Service (Cryopreservation, Breeding, Re-derivation, Genetic Testing, Quarantine Depending, Other), By Application (Oncology, Neurology, Immunology, Toxicology, Other), By End- User (Pharmaceutical & Biotechnology Companies, CROs, Research Institutes, Others), by Country, Segment, and Companies, 2024-2032

<https://marketpublishers.com/r/R14D3ACC3936EN.html>

Date: April 2024

Pages: 205

Price: US\$ 3,980.00 (Single User License)

ID: R14D3ACC3936EN

Abstracts

The global Rat Model market size is poised to register 8.1% growth from 2024 to 2032, presenting significant growth prospects for companies operating in the industry. The industry study analyzes the global Rat Model market across By Type (Knockout, Outbred, Inbred, Hybrid, Immunodeficient, Conditioned), By Technology (Nuclear Transferase, Microinjection, Embryonic Stem Cell, Others), By Service (Cryopreservation, Breeding, Re-derivation, Genetic Testing, Quarantine Depending, Other), By Application (Oncology, Neurology, Immunology, Toxicology, Other), By End-User (Pharmaceutical & Biotechnology Companies, CROs, Research Institutes, Others)

In the Rat Model market, the increasing demand for preclinical research models to study human diseases, drug efficacy, and safety is driving market growth. Rat models play a crucial role in biomedical research by offering genetic, physiological, and anatomical similarities to humans, making them valuable tools for understanding disease

mechanisms and evaluating therapeutic interventions. With the growing complexity of diseases and the need for translational research models, there is a rising need for well-characterized and genetically engineered rat models that recapitulate human disease phenotypes. Further, advancements in genome editing technologies, imaging modalities, and phenotyping assays are driving market growth by enabling the development of more precise and predictive rat models. By 2030, the market is expected to witness substantial expansion, fueled by the increasing adoption of rat models in academic research, pharmaceutical development, and biotechnology innovation.

Rat Model 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 Rat Model market research analyses the global market trends, key drivers, challenges, and opportunities in the industry. In addition, the latest Future of Rat Model 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 Rat Model industry.

Key market trends defining the global Rat Model 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.

Rat Model Market Segmentation- Industry Share, Market Size, and Outlook to 2032

The Rat Model 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 Rat Model companies scaling up production in these sub-segments with a focus on expanding into emerging countries.

Key strategies adopted by companies within the Rat Model industry

Leading Rat Model 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 Rat Model companies.

Rat Model Market Study- Strategic Analysis Review

The Rat Model 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.

Rat Model Market Size Outlook- Historic and Forecast Revenue in Three Cases

The Rat Model 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 2032 in three case scenarios- low case, reference case, and high case scenarios.

Rat Model Country Analysis and Revenue Outlook to 2032

The report analyses 22 countries worldwide including the key driving forces and market size outlook from 2021 to 2032. 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 2032.

North America Rat Model Market Size Outlook- Companies plan for focused 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 healthcare infrastructure. Leading companies focus on new product launches in the changing environment. The US healthcare expenditure is expected to grow to \$4.8 trillion in 2024 (around 3.7% growth in 2024), potentially driving demand for various Rat Model market segments. Similarly, Strong market demand is encouraging Canadian Rat Model companies to invest in niche segments. Further, as Mexico continues to strengthen its relations and invest in technological advancements, the Mexico Rat Model market is expected to experience significant expansion, offering lucrative opportunities for both domestic and international stakeholders.

Europe Rat Model Market Size Outlook-Companies investing in assessing consumers, categories, competitors, and capabilities

The German industry remains the major market for companies in the European Rat Model 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 vendors in identifying and leveraging new growth prospects positions the European Rat Model 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 Rat Model 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 Rat Model in Asia Pacific. In particular, China, India, and South East Asian Rat Model markets present a compelling outlook for 2032, acting as a magnet for both domestic and multinational vendors 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 countries in the APAC region.

Latin America Rat Model 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 Rat Model 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 Rat Model market potential. Fueled by increasing healthcare expenditure of individuals, growing population, and high prevalence across a few markets drives the demand for Rat Model.

Rat Model Market Company Profiles

The global Rat Model 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 Biomere, Charles River Laboratories International Inc, Cyagen Biosciences Inc, Envigo RMS LLC, genOway S.A., Janvier Labs, Laboratory Corp of America Holdings (LabCorp), Taconic Biosciences Inc, TransViragen Inc.

Recent Rat Model Market Developments

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

Rat Model Market Report Scope

Parameters: Revenue, Volume Price

Study Period: 2023 (Base Year); 2018- 2023 (Historic Period); 2024- 2032 (Forecast 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 Type

Knockout

Outbred

Inbred

Hybrid

Immunodeficient

Conditioned

By Technology

Nuclear Transferase

Microinjection

Embryonic Stem Cell

Others

By Service

Cryopreservation

Breeding

Re-derivation

Genetic Testing

Quarantine Depending

Other

By Application

Oncology

Neurology

Immunology

Toxicology

Other

By End-User

Pharmaceutical & Biotechnology Companies

CROs

Research Institutes

Others

Geographical Segmentation:

North America (3 markets)

Europe (6 markets)

Asia Pacific (6 markets)

Latin America (3 markets)

Middle East Africa (5 markets)

Companies

Biomere

Charles River Laboratories International Inc

Cyagen Biosciences Inc

Envigo RMS LLC

genOway S.A.

Janvier Labs

Laboratory Corp of America Holdings (LabCorp)

Taconic Biosciences Inc

TransViragen Inc

Formats Available: Excel, PDF, and PPT

Rat Model Market Size, Trends, Analysis, and Outlook By Type (Knockout, Outbred, Inbred, Hybrid, Immunodeficie...

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 - Knockout
 - Outbred
 - Inbred
 - Hybrid

Immunodeficient
Conditioned
By Technology
Nuclear Transferase
Microinjection
Embryonic Stem Cell
Others
By Service
Cryopreservation
Breeding
Re-derivation
Genetic Testing
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Cyagen Biosciences Inc
Envigo RMS LLC
genOway S.A.
Janvier Labs
Laboratory Corp of America Holdings (LabCorp)
Taconic Biosciences Inc
TransViragen Inc.

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