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Global Rat Model Market Size study, by Model Type (Outbred Rats, Inbred Rats, Knockout/Genetically Modified Rats, Hybrid/Congenic Rats, Conditioned/Surgically Modified Rats, Immunodeficient Rats), by Service (Breeding, Cryopreservation, Quarantine, Rederivation, Model-in-licensing, Genetic Testing, Other Services), by End-use (Pharmaceutical & Biotechnology Companies, Academic & Research Institutes, Contract Research Organizations (CROs)) and Regional Forecasts 2022-2028

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Abstracts

Global Rat Model Market is valued at approximately USD 16.4 billion in 2021 and is anticipated to grow with a healthy growth rate of more than 5.00 % over the forecast period 2022-2028. Rat Model ¬¬¬allows teachers to self-assess their integration of technology in the classroom. According to the RAT Model, digital technology can be used as replacement, amplification, or transformation in the classroom. Also, used for biomedical research animal models due to their anatomical, physiological, and genetic similarity to humans. Continuous support in the form of investments and grants in biotechnology, increased demand for personalized humanized rat models has led to the adoption of Rat Models across the forecast period. For Instance: As per IBEF, the Indian biotechnology industry was valued at US$ 63 billion in 2019 and is expected to reach US$ 150 billion by 2025 with a CAGR of 16.4%. By 2025, the contribution of the Indian biotechnology industry in the global biotechnology market is expected to grow to 19% from 3% in 2017. Also, with the increased production of monoclonal antibodies, the

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adoption & demand for Rat Models is likely to increase the market growth during the forecast period. However, regulations & laws formulated for animals' cruelty impede the growth of the market over the forecast period of 2022-2028.

The key regions considered for the Global Rat Model Market study include Asia Pacific, North America, Europe, Latin America and Rest of the World. North America is the leading region across the world in terms of market share owing to their genetic similarity to humans as well as their unlimited supply and ease of manipulation. Whereas, Asia Pacific is also anticipated to exhibit the highest growth rate over the forecast period 2022-2028. Factors as advancements in gene editing tools would create lucrative growth prospects for the Rat Model Market across Asia Pacific region.

Major market players included in this report are:
Horizon Discovery Group PLC
TransViragen, Inc.
Charles River Laboratories International, Inc.
Taconic Biosciences, Inc.
Envigo
Laboratory Corporation of America Holdings
Janvier Labs
GenOway S.A.
Biomere
Transposagen Biopharmaceuticals, Inc.
The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:
By Model Type:
Outbred Rats
Inbred Rats
Knockout/Genetically Modified Rats
Hybrid/Congenic Rats
Conditioned/Surgically Modified Rats
Immunodeficient Rats

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By Service:
Breeding
Cryopreservation
Quarantine
Rederivation
Model-in-licensing
Genetic Testing
Other Services
By End-Use:
Pharmaceutical & Biotechnology Companies
Academic & Research Institutes
Contract Research Organizations (CROs)
By Region:
North America
U.S.
Canada
Europe
UK
Germany
France
Spain
Italy
ROE

Asia Pacific
China
India
Japan
Australia
South Korea
RoAPAC
Latin America
Brazil
Mexico
Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2018, 2019, 2020

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Base year – 2021
Forecast period – 2022 to 2028

Target Audience of the Global Rat Model Market in Market Study:

Key Consulting Companies & Advisors
Large, medium-sized, and small enterprises
Venture capitalists
Value-Added Resellers (VARs)
Third-party knowledge providers
Investment bankers
Investors

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