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Animal Model Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global animal model market size reached US$ 1,696.5 Million in 2022. Looking forward, IMARC Group expects the market to reach US$ 2,503.4 Million by 2028, exhibiting a growth rate (CAGR) of 6.70% during 2022-2028.

Animal models are living, non-human species used in medical research and investigations. They are frequently selected due to their vast similarities with the genetics, anatomy, and physiology of humans. They assist in obtaining information about the prevention, diagnosis, and treatment of diseases without causing harm to a human. Some of the commonly utilized animal models include rodents, rats, mice, gerbils, guinea pigs, and hamsters. At present, they are widely preferred on account of their availability, ease of handling, and relatively low cost of use.

Animal Model Market Trends:
Presently, there is a continuous increase in the need for personalized medicines across the globe. This, in confluence with a rising prevalence of genetic disorders, such as down syndrome, Crohn’s disease, breast cancer, and hemophilia, represents one of the key factors positively influencing the utilization of animal models in the pre-clinical development of drugs by researchers. Apart from this, they are also being utilized in biomedical research, toxicology, physiology, cancer research, neurological research, genetic research, and xenotransplantation around the world. Furthermore, the market is propelled by numerous technological advancements, such as the introduction of CRISPR-Cas9, a genome editing technology, which aids in reducing the time and cost required for enabling the production of animal models with extensive genetic modifications. This technology finds wide applicability in a variety of animals, ranging from early-branching metazoans to primates. Besides this, the sudden outbreak of the contagious coronavirus disease (COVID-19) pandemic is creating a favorable outlook

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for the market. This can be accredited to the increasing investments by international organizations like World Health Organization (WHO) and government authorities in research and development (R&D) activities to introduce vaccines and antiviral drugs.

Key Market Segmentation:
IMARC Group provides an analysis of the key trends in each sub-segment of the global animal model market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on animal type, technology, application and end user.

Breakup by Animal Type:

Rat
Mice
Guinea Pigs
Rabbits
Others

Breakup by Technology:

CRISPR
Embryonic Stem Cell Injection
Nuclear Transfer
Others

Breakup by Application:

Drug Discovery and Development
Basic Research
Others

Breakup by End User:

Pharma and Biotech Companies
Academic Research Institutes
Others

Breakup by Region:

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North America
United States
Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:
The competitive landscape of the industry has also been examined along with the profiles of the key players being Biocytogen, Charles River Laboratories International Inc, Envigo, Eurofins Scientific SE, GenOway S.A., Hera BioLabs, JSR Corporation, Ozgene Pty Ltd., PerkinElmer Inc., Taconic Biosciences Inc., The Jackson Laboratory and Trans Genic Inc.

Key Questions Answered in This Report:
How has the global animal model market performed so far and how will it perform in the coming years?
What has been the impact of COVID-19 on the global animal model market?
What are the key regional markets?
What is the breakup of the market based on the animal type?

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What is the breakup of the market based on the technology?
What is the breakup of the market based on the application?
What is the breakup of the market based on the end user?
What are the various stages in the value chain of the industry?
What are the key driving factors and challenges in the industry?
What is the structure of the global animal model market and who are the key players?
What is the degree of competition in the industry?

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