

# **Global Animal Model Market Size study & Forecast, by Animal Type (Mice, Birds, Fish, Cattle, Other Animal Types), by Technology (CRISPR, Embryonic Stem Cell Injection, Nuclear Transfer, Other Technologies), by Application (Oncology, Cardiovascular, Neurology, Other Applications), and Regional Analysis, 2023-2030**

<https://marketpublishers.com/r/GBDB1313F9A6EN.html>

Date: August 2023

Pages: 200

Price: US\$ 4,950.00 (Single User License)

ID: GBDB1313F9A6EN

## **Abstracts**

Global Animal Model Market is valued approximately at USD XX billion in 2022 and is anticipated to grow with a growth rate of more than 8.6% over the forecast period 2023-2030. An animal model refers to a living organism, typically an animal, used in scientific research to simulate and study biological and pathological processes, as well as to understand and investigate various aspects of human health and disease. Animal models serve as experimental systems that mimic certain aspects of human physiology, anatomy, genetics, and behavior, allowing scientists to observe and manipulate these systems in controlled laboratory settings. Animal models are employed across various disciplines, including biomedical research, drug development, genetics, toxicology, and behavioral studies, to gain insights into fundamental biological processes, test hypotheses, evaluate treatments, and advance scientific knowledge. The Animal Model Market is growing because of factors such as increasing preclinical trials, increasing adoption of CRISPR technology and growing investments in R&D of pharmaceutical industry.

According to Statista, globally, the R&D spending in the pharmaceutical industry reached approximately USD 238 billion in 2021. The growing rate of preclinical trials is also helping in driving the market growth. According to the World Health Organization (WHO) report in February 2022, there were 47,689 registered preclinical trial studies conducted in 2021. This significant increase in the number of preclinical studies

indicates a growing demand for animal models in research. Moreover, advancements in genetic engineering and genome editing techniques may create lucrative opportunities for the market. However, high research cost and growing criticism on animal testing by several organizations stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Animal Model Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 with largest market share owing to factors such as the presence of key industry players, increasing biomedical research in the United States, and the growing preclinical activities conducted by clinical research organizations (CROs) and pharmaceutical companies in the region. However, Asia Pacific is expected to grow significantly during the forecast period, owing to increase in the government initiatives and investments in drug research utilizing animal models, the growing significance of mouse clinical trials (MCTs) for improved outcome projections, ongoing innovations in animal models, the availability of advanced healthcare systems, and a substantial surge in demand for advanced healthcare facilities.

Major market player included in this report are:

Biocytogen Pharmaceuticals Co. Ltd

Labcorp UK Limited (Envigo Rms Inc.)

Hera Testing Laboratories

Charles River Laboratories International Inc.

The Jackson Laboratory

Harbour BioMed Co. Ltd

PerkinElmer Inc. (Horizon Discovery Group PLC)

Janvier Labs

Trans Genic Inc.

Taconic Biosciences Inc.

Recent Developments in the Market:

In June 2023, Charles River Laboratories International, Inc. and Curigin, a Korean biotechnology company specializing in the development of innovative oncolytic ribonucleic acid interference (RNAi) gene therapies, announced a collaborative partnership. The collaboration aims to focus on adenoviral vector production, a critical component in the development of gene therapies.

In May 2023, Biocytogen Pharmaceuticals Co., Ltd. has announced their expansion in San Francisco, California, USA. The newly established space will help in facilitating the global expansion of Biocytogen's businesses.

In March 2023, Biocytogen Pharmaceuticals Co., Ltd. and Janssen Biotech, Inc., a subsidiary of Johnson & Johnson's Janssen Pharmaceutical Companies, have entered into a non-exclusive license agreement. The agreement was facilitated by Johnson & Johnson Innovation LLC.

Global Animal Model Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered – Animal, Technology, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope\*

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 years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential 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 Animal Type:

Mice

Birds

Fish

Cattle

Other Animal Types

By Technology:

CRISPR

Embryonic Stem Cell Injection

Nuclear Transfer

## Other Technologies

### By Application:

Oncology  
Cardiovascular  
Neurology  
Other Applications

### 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

#### Middle East & Africa

Saudi Arabia  
South Africa  
Rest of Middle East & Africa

## Contents

### CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
  - 1.2.1. Animal Model Market, by region, 2020-2030 (USD Billion)
  - 1.2.2. Animal Model Market, by Animal Type, 2020-2030 (USD Billion)
  - 1.2.3. Animal Model Market, by Technology, 2020-2030 (USD Billion)
  - 1.2.4. Animal Model Market, by Application, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### CHAPTER 2. GLOBAL ANIMAL MODEL MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
  - 2.2.1. Industry Evolution
  - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

### CHAPTER 3. GLOBAL ANIMAL MODEL MARKET DYNAMICS

- 3.1. Animal Model Market Impact Analysis (2020-2030)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Increasing number of preclinical trials
    - 3.1.1.2. Increasing adoption of CRISPR technology
    - 3.1.1.3. Growing investments in pharmaceutical R&D
  - 3.1.2. Market Challenges
    - 3.1.2.1. High research cost
    - 3.1.2.2. Growing criticism on animal testing by organizations
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Advancements in genetic engineering

### CHAPTER 4. GLOBAL ANIMAL MODEL MARKET:INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
  - 4.3.1. Political
  - 4.3.2. Economic
  - 4.3.3. Social
  - 4.3.4. Technological
  - 4.3.5. Environmental
  - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL ANIMAL MODEL MARKET, BY ANIMAL TYPE**

- 5.1. Market Snapshot
- 5.2. Global Animal Model Market by Animal Type, Performance - Potential Analysis
- 5.3. Global Animal Model Market Estimates & Forecasts by Animal Type 2020-2030 (USD Billion)
- 5.4. Animal Model Market, Sub Segment Analysis
  - 5.4.1. Mice
  - 5.4.2. Birds
  - 5.4.3. Fish
  - 5.4.4. Cattle
  - 5.4.5. Other Animal Types

## **CHAPTER 6. GLOBAL ANIMAL MODEL MARKET, BY TECHNOLOGY**

- 6.1. Market Snapshot
- 6.2. Global Animal Model Market by Technology, Performance - Potential Analysis
- 6.3. Global Animal Model Market Estimates & Forecasts by Technology 2020-2030 (USD Billion)

#### 6.4. Animal Model Market, Sub Segment Analysis

- 6.4.1. CRISPR
- 6.4.2. Embryonic Stem Cell Injection
- 6.4.3. Nuclear Transfer
- 6.4.4. Other Technologies

### **CHAPTER 7. GLOBAL ANIMAL MODEL MARKET, BY APPLICATION**

#### 7.1. Market Snapshot

#### 7.2. Global Animal Model Market by Application, Performance - Potential Analysis

#### 7.3. Global Animal Model Market Estimates & Forecasts by Application 2020-2030 (USD Billion)

#### 7.4. Animal Model Market, Sub Segment Analysis

- 7.4.1. Oncology
- 7.4.2. Cardiovascular
- 7.4.3. Neurology
- 7.4.4. Other Applications

### **CHAPTER 8. GLOBAL ANIMAL MODEL MARKET, REGIONAL ANALYSIS**

#### 8.1. Top Leading Countries

#### 8.2. Top Emerging Countries

#### 8.3. Animal Model Market, Regional Market Snapshot

#### 8.4. North America Animal Model Market

##### 8.4.1. U.S. Animal Model Market

###### 8.4.1.1. Animal Type breakdown estimates & forecasts, 2020-2030

###### 8.4.1.2. Technology breakdown estimates & forecasts, 2020-2030

###### 8.4.1.3. Application breakdown estimates & forecasts, 2020-2030

##### 8.4.2. Canada Animal Model Market

#### 8.5. Europe Animal Model Market Snapshot

##### 8.5.1. U.K. Animal Model Market

##### 8.5.2. Germany Animal Model Market

##### 8.5.3. France Animal Model Market

##### 8.5.4. Spain Animal Model Market

##### 8.5.5. Italy Animal Model Market

##### 8.5.6. Rest of Europe Animal Model Market

#### 8.6. Asia-Pacific Animal Model Market Snapshot

##### 8.6.1. China Animal Model Market

##### 8.6.2. India Animal Model Market

- 8.6.3. Japan Animal Model Market
- 8.6.4. Australia Animal Model Market
- 8.6.5. South Korea Animal Model Market
- 8.6.6. Rest of Asia Pacific Animal Model Market
- 8.7. Latin America Animal Model Market Snapshot
  - 8.7.1. Brazil Animal Model Market
  - 8.7.2. Mexico Animal Model Market
- 8.8. Middle East & Africa Animal Model Market
  - 8.8.1. Saudi Arabia Animal Model Market
  - 8.8.2. South Africa Animal Model Market
  - 8.8.3. Rest of Middle East & Africa Animal Model Market

## **CHAPTER 9. COMPETITIVE INTELLIGENCE**

- 9.1. Key Company SWOT Analysis
  - 9.1.1. Company
  - 9.1.2. Company
  - 9.1.3. Company
- 9.2. Top Market Strategies
- 9.3. Company Profiles
  - 9.3.1. Biocytogen Pharmaceuticals Co. Ltd
    - 9.3.1.1. Key Information
    - 9.3.1.2. Overview
    - 9.3.1.3. Financial (Subject to Data Availability)
    - 9.3.1.4. Product Summary
    - 9.3.1.5. Recent Developments
  - 9.3.2. Labcorp UK Limited (Envigo Rms Inc.)
  - 9.3.3. Hera Testing Laboratories
  - 9.3.4. Charles River Laboratories International Inc.
  - 9.3.5. The Jackson Laboratory
  - 9.3.6. Harbour BioMed Co. Ltd
  - 9.3.7. PerkinElmer Inc. (Horizon Discovery Group PLC)
  - 9.3.8. Janvier Labs
  - 9.3.9. Trans Genic Inc.
  - 9.3.10. Taconic Biosciences Inc.

## **CHAPTER 10. RESEARCH PROCESS**

- 10.1. Research Process



10.1.1. Data Mining
10.1.2. Analysis
10.1.3. Market Estimation
10.1.4. Validation
10.1.5. Publishing
10.2. Research Attributes
10.3. Research Assumption
12. List of Tables
TABLE 1. Global Animal Model Market, report scope
TABLE 2. Global Animal Model Market estimates & forecasts by Region 2020-2030 (USD Billion)
TABLE 3. Global Animal Model Market estimates & forecasts by Animal Type 2020-2030 (USD Billion)
TABLE 4. Global Animal Model Market estimates & forecasts by Technology 2020-2030 (USD Billion)
TABLE 5. Global Animal Model Market estimates & forecasts by Application 2020-2030 (USD Billion)
TABLE 6. Global Animal Model Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
TABLE 7. Global Animal Model Market by region, estimates & forecasts, 2020-2030 (USD Billion)
TABLE 8. Global Animal Model Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
TABLE 9. Global Animal Model Market by region, estimates & forecasts, 2020-2030 (USD Billion)
TABLE 10. Global Animal Model Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
TABLE 11. Global Animal Model Market by region, estimates & forecasts, 2020-2030 (USD Billion)
TABLE 12. Global Animal Model Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
TABLE 13. Global Animal Model Market by region, estimates & forecasts, 2020-2030 (USD Billion)
TABLE 14. Global Animal Model Market by segment, estimates & forecasts, 2020-2030 (USD Billion)
TABLE 15. Global Animal Model Market by region, estimates & forecasts, 2020-2030 (USD Billion)
TABLE 16. U.S. Animal Model Market estimates & forecasts, 2020-2030 (USD Billion)
TABLE 17. U.S. Animal Model Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 18. U.S. Animal Model Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 19. Canada Animal Model Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 20. Canada Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 21. Canada Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 22. UK Animal Model Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 23. UK Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 24. UK Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 25. Germany Animal Model Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 26. Germany Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 27. Germany Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 28. France Animal Model Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 29. France Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 30. France Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 31. Italy Animal Model Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 32. Italy Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 33. Italy Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 34. Spain Animal Model Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 35. Spain Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 36. Spain Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 37. RoE Animal Model Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 38. RoE Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 39. RoE Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 40. China Animal Model Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 41. China Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 42. China Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 43. India Animal Model Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 44. India Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 45. India Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 46. Japan Animal Model Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 47. Japan Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 48. Japan Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 49. South Korea Animal Model Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 50. South Korea Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 51. South Korea Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 52. Australia Animal Model Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 53. Australia Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 54. Australia Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 55. RoAPAC Animal Model Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 56. RoAPAC Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 57. RoAPAC Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 58. Brazil Animal Model Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 59. Brazil Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 60. Brazil Animal Model Market estimates & forecasts by segment 2020-2030

(USD Billion)

TABLE 61. Mexico Animal Model Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 62. Mexico Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 63. Mexico Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 64. RoLA Animal Model Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 65. RoLA Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 66. RoLA Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 67. Saudi Arabia Animal Model Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 68. South Africa Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 69. RoMEA Animal Model Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 70. 12. List of secondary sources, used in the study of global Animal Model Market

TABLE 71. 12. List of primary sources, used in the study of global Animal Model Market

TABLE 72. Years considered for the study

TABLE 73. Exchange rates considered

12. List of tables and figures and dummy in nature, final lists may vary in the final deliverable

12. List of figures

FIG 1. Global Animal Model Market, research methodology

FIG 2. Global Animal Model Market, Market estimation techniques

FIG 3. Global Market size estimates & forecast methods

FIG 4. Global Animal Model Market, key trends 2022

FIG 5. Global Animal Model Market, growth prospects 2023-2030

FIG 6. Global Animal Model Market, porters 5 force model

FIG 7. Global Animal Model Market, pest analysis

FIG 8. Global Animal Model Market, value chain analysis

FIG 9. Global Animal Model Market by segment, 2020 & 2030 (USD Billion)

FIG 10. Global Animal Model Market by segment, 2020 & 2030 (USD Billion)

FIG 11. Global Animal Model Market by segment, 2020 & 2030 (USD Billion)

FIG 12. Global Animal Model Market by segment, 2020 & 2030 (USD Billion)

FIG 13. Global Animal Model Market by segment, 2020 & 2030 (USD Billion)

FIG 14. Global Animal Model Market, regional snapshot 2020 & 2030

FIG 15. North America Animal Model Market 2020 & 2030 (USD Billion)

FIG 16. Europe Animal Model Market 2020 & 2030 (USD Billion)

FIG 17. Asia pacific Animal Model Market 2020 & 2030 (USD Billion)

FIG 18. Latin America Animal Model Market 2020 & 2030 (USD Billion)

FIG 19. Middle East & Africa Animal Model Market 2020 & 2030 (USD Billion)

12. List of tables and figures and dummy in nature, final lists may vary in the final deliverable

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