

# **Global Knock Out Mouse Model Market Size study, by Type (Constitutive Knockout Mouse, Conditional Knockout Mouse, Protein Function Knockout Mouse), by End User (Clinical Research Organizations, Pharma & Biotechnology Companies, Others), by Application (Oncology, Neurology, Cardiovascular, Others) and Regional Forecasts 2021-2027**

<https://marketpublishers.com/r/G68FA468A5D9EN.html>

Date: September 2021

Pages: 200

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

ID: G68FA468A5D9EN

## **Abstracts**

Global Knock Out Mouse Model Market is valued approximately USD XX billion in 2020 and is anticipated to grow with a healthy CAGR of 5.2% over the forecast period 2021-2027.

Key driving factor of Knockout mouse model market is the growth in pharmaceutical industry in past few years. The mice models are used in many pharma studies such as oncology, immunology, cardiovascular, and diabetic studies. With onset of pandemic, the growth of pharma received a major boost, as the need for drug research was high. According to FDA, 53 new Novel drugs were approved in 2020, and 36 have been approved this year, by the end of August 2021. The research of these drugs requires an animal trial phase which is driving the demand for Knockout mouse market.

The knockout mouse model is also driven by rising chronic diseases such as obesity, cancer, diabetes, cardiovascular diseases, and autism. As per WHO's Non-communicable Diseases Factsheet - 2021, chronic diseases account for the cause of 71% of all the deaths in the world.

However, the ethical questions surrounding the use of mice as test subjects and the alternatives to animal testing can impede the growth of the market over the forecast period of 2021-2027. Nevertheless, rising advancements in gene editing technology will likely increase the market growth during the forecast period.

Regional analysis, considering regions such as Asia Pacific, North America, Europe,

Latin America, and Rest of the World, presents North America as the leading region across the world in terms of market share owing to the presence of a well-established healthcare system and presence of key market players. At the same time, North America is also anticipated to exhibit the highest CAGR over the forecast period 2021-2027. Factors such as favorable regulatory environment, government incentives and increasing investments into gene editing research would create lucrative growth prospects for the Knock Out Mouse Model Market across North America region.

Major market player included in this report are:

Charles River Laboratories International Inc.

Cyagen Biosciences.

Envigo

genOway

Ozgene Pty Ltd.

Taconic Biosciences, Inc.

The Jackson Laboratory

Trans Genic Inc.

Crown Bioscience

Janvier Labs

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 Type:

Constitutive Knockout Mouse

Conditional Knockout Mouse

Protein Function Knockout Mouse

By End User:

Clinical Research Organizations

Pharma & Biotechnology companies

Others

By Application:

Oncology

Neurology  
Cardiovascular  
Others  
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  
Base year – 2020  
Forecast period – 2021 to 2027

Target Audience of the Global Knock Out Mouse 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

## Contents

### **CHAPTER 1. EXECUTIVE SUMMARY**

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2019-2027 (USD Billion)
  - 1.2.1. Knock Out Mouse Model Market, by Region, 2019-2027 (USD Billion)
  - 1.2.2. Knock Out Mouse Model Market, by Type, 2019-2027 (USD Billion)
  - 1.2.3. Knock Out Mouse Model Market, by End User, 2019-2027 (USD Billion)
  - 1.2.4. Knock Out Mouse Model Market, by Application, 2019-2027 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

### **CHAPTER 2. GLOBAL KNOCK OUT MOUSE MODEL MARKET DEFINITION AND SCOPE**

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

### **CHAPTER 3. GLOBAL KNOCK OUT MOUSE MODEL MARKET DYNAMICS**

- 3.1. Knock Out Mouse Model Market Impact Analysis (2019-2027)
  - 3.1.1. Market Drivers
    - 3.1.1.1. Development of new drugs in pharmaceutical industry
    - 3.1.1.2. Rising chronic diseases around the world
  - 3.1.2. Market Challenges
    - 3.1.2.1. Ethical uncertainty and presence of alternatives
  - 3.1.3. Market Opportunities
    - 3.1.3.1. Increasing investments in gene editing technology

### **CHAPTER 4. GLOBAL KNOCK OUT MOUSE 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
- 4.1.6. Futuristic Approach to Porter's 5 Force Model (2018-2027)
- 4.2. PEST Analysis
  - 4.2.1. Political
  - 4.2.2. Economical
  - 4.2.3. Social
  - 4.2.4. Technological
- 4.3. Investment Adoption Model
- 4.4. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL KNOCK OUT MOUSE MODEL MARKET, BY TYPE**

- 5.1. Market Snapshot
- 5.2. Global Knock Out Mouse Model Market by Type, Performance - Potential Analysis
- 5.3. Global Knock Out Mouse Model Market Estimates & Forecasts by Type 2018-2027 (USD Billion)
- 5.4. Knock Out Mouse Model Market, Sub Segment Analysis
  - 5.4.1. Constitutive Knockout Mouse
  - 5.4.2. Conditional Knockout Mouse
  - 5.4.3. Protein Function Knockout Mouse

## **CHAPTER 6. GLOBAL KNOCK OUT MOUSE MODEL MARKET, BY END USER**

- 6.1. Market Snapshot
- 6.2. Global Knock Out Mouse Model Market by End User, Performance - Potential Analysis
- 6.3. Global Knock Out Mouse Model Market Estimates & Forecasts by End User 2018-2027 (USD Billion)
- 6.4. Knock Out Mouse Model Market, Sub Segment Analysis
  - 6.4.1. Clinical Research Organizations
  - 6.4.2. Pharma & Biotechnology Companies
  - 6.4.3. Others

## **CHAPTER 7. GLOBAL KNOCK OUT MOUSE MODEL MARKET, BY APPLICATION**

- 7.1. Market Snapshot
- 7.2. Global Knock Out Mouse Model Market by Application, Performance - Potential Analysis
- 7.3. Global Knock Out Mouse Model Market Estimates & Forecasts by Application 2018-2027 (USD Billion)
- 7.4. Knock Out Mouse Model Market, Sub Segment Analysis
  - 7.4.1. Oncology
  - 7.4.2. Neurology
  - 7.4.3. Cardiovascular
  - 7.4.4. Others

## **CHAPTER 8. GLOBAL KNOCK OUT MOUSE MODEL MARKET, REGIONAL ANALYSIS**

- 8.1. Knock Out Mouse Model Market, Regional Market Snapshot
- 8.2. North America Knock Out Mouse Model Market
  - 8.2.1. U.S. Knock Out Mouse Model Market
    - 8.2.1.1. Type breakdown estimates & forecasts, 2018-2027
    - 8.2.1.2. End User breakdown estimates & forecasts, 2018-2027
    - 8.2.1.3. Application breakdown estimates & forecasts, 2018-2027
  - 8.2.2. Canada Knock Out Mouse Model Market
- 8.3. Europe Knock Out Mouse Model Market Snapshot
  - 8.3.1. U.K. Knock Out Mouse Model Market
  - 8.3.2. Germany Knock Out Mouse Model Market
  - 8.3.3. France Knock Out Mouse Model Market
  - 8.3.4. Spain Knock Out Mouse Model Market
  - 8.3.5. Italy Knock Out Mouse Model Market
  - 8.3.6. Rest of Europe Knock Out Mouse Model Market
- 8.4. Asia-Pacific Knock Out Mouse Model Market Snapshot
  - 8.4.1. China Knock Out Mouse Model Market
  - 8.4.2. India Knock Out Mouse Model Market
  - 8.4.3. Japan Knock Out Mouse Model Market
  - 8.4.4. Australia Knock Out Mouse Model Market
  - 8.4.5. South Korea Knock Out Mouse Model Market
  - 8.4.6. Rest of Asia Pacific Knock Out Mouse Model Market
- 8.5. Latin America Knock Out Mouse Model Market Snapshot
  - 8.5.1. Brazil Knock Out Mouse Model Market
  - 8.5.2. Mexico Knock Out Mouse Model Market
- 8.6. Rest of The World Knock Out Mouse Model Market

## **CHAPTER 9. COMPETITIVE INTELLIGENCE**

### 9.1. Top Market Strategies

### 9.2. Company Profiles

#### 9.2.1. Charles River Laboratories International Inc.

##### 9.2.1.1. Key Information

##### 9.2.1.2. Overview

##### 9.2.1.3. Financial (Subject to Data Availability)

##### 9.2.1.4. Product Summary

##### 9.2.1.5. Recent Developments

#### 9.2.2. Cyagen Biosciences

#### 9.2.3. Envigo

#### 9.2.4. genOway

#### 9.2.5. Ozgene Pty Ltd.

#### 9.2.6. Taconic Biosciences Inc.

#### 9.2.7. The Jackson Laboratory

#### 9.2.8. Trans Genic Inc.

#### 9.2.9. Crown Bioscience

#### 9.2.10. Janvier Labs

## **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



## List Of Tables

### LIST OF TABLES

TABLE 1. Global Knock Out Mouse Model Market, report scope

TABLE 2. Global Knock Out Mouse Model Market estimates & forecasts by Region  
2018-2027 (USD Billion)

TABLE 3. Global Knock Out Mouse Model Market estimates & forecasts by Type  
2018-2027 (USD Billion)

TABLE 4. Global Knock Out Mouse Model Market estimates & forecasts by End User  
2018-2027 (USD Billion)

TABLE 5. Global Knock Out Mouse Model Market estimates & forecasts by Application  
2018-2027 (USD Billion)

TABLE 6. Global Knock Out Mouse Model Market by segment, estimates & forecasts,  
2018-2027 (USD Billion)

TABLE 7. Global Knock Out Mouse Model Market by region, estimates & forecasts,  
2018-2027 (USD Billion)

TABLE 8. Global Knock Out Mouse Model Market by segment, estimates & forecasts,  
2018-2027 (USD Billion)

TABLE 9. Global Knock Out Mouse Model Market by region, estimates & forecasts,  
2018-2027 (USD Billion)

TABLE 10. Global Knock Out Mouse Model Market by segment, estimates & forecasts,  
2018-2027 (USD Billion)

TABLE 11. Global Knock Out Mouse Model Market by region, estimates & forecasts,  
2018-2027 (USD Billion)

TABLE 12. Global Knock Out Mouse Model Market by segment, estimates & forecasts,  
2018-2027 (USD Billion)

TABLE 13. Global Knock Out Mouse Model Market by region, estimates & forecasts,  
2018-2027 (USD Billion)

TABLE 14. Global Knock Out Mouse Model Market by segment, estimates & forecasts,  
2018-2027 (USD Billion)

TABLE 15. Global Knock Out Mouse Model Market by region, estimates & forecasts,  
2018-2027 (USD Billion)

TABLE 16. U.S. Knock Out Mouse Model Market estimates & forecasts, 2018-2027  
(USD Billion)

TABLE 17. U.S. Knock Out Mouse Model Market estimates & forecasts by segment  
2018-2027 (USD Billion)

TABLE 18. U.S. Knock Out Mouse Model Market estimates & forecasts by segment  
2018-2027 (USD Billion)

- TABLE 19. Canada Knock Out Mouse Model Market estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 20. Canada Knock Out Mouse Model Market estimates & forecasts by segment 2018-2027 (USD Billion)
- TABLE 21. Canada Knock Out Mouse Model Market estimates & forecasts by segment 2018-2027 (USD Billion)
- TABLE 22. UK Knock Out Mouse Model Market estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 23. UK Knock Out Mouse Model Market estimates & forecasts by segment 2018-2027 (USD Billion)
- TABLE 24. UK Knock Out Mouse Model Market estimates & forecasts by segment 2018-2027 (USD Billion)
- TABLE 25. Germany Knock Out Mouse Model Market estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 26. Germany Knock Out Mouse Model Market estimates & forecasts by segment 2018-2027 (USD Billion)
- TABLE 27. Germany Knock Out Mouse Model Market estimates & forecasts by segment 2018-2027 (USD Billion)
- TABLE 28. RoE Knock Out Mouse Model Market estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 29. RoE Knock Out Mouse Model Market estimates & forecasts by segment 2018-2027 (USD Billion)
- TABLE 30. RoE Knock Out Mouse Model Market estimates & forecasts by segment 2018-2027 (USD Billion)
- TABLE 31. China Knock Out Mouse Model Market estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 32. China Knock Out Mouse Model Market estimates & forecasts by segment 2018-2027 (USD Billion)
- TABLE 33. China Knock Out Mouse Model Market estimates & forecasts by segment 2018-2027 (USD Billion)
- TABLE 34. India Knock Out Mouse Model Market estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 35. India Knock Out Mouse Model Market estimates & forecasts by segment 2018-2027 (USD Billion)
- TABLE 36. India Knock Out Mouse Model Market estimates & forecasts by segment 2018-2027 (USD Billion)
- TABLE 37. Japan Knock Out Mouse Model Market estimates & forecasts, 2018-2027 (USD Billion)
- TABLE 38. Japan Knock Out Mouse Model Market estimates & forecasts by segment

2018-2027 (USD Billion)

TABLE 39. Japan Knock Out Mouse Model Market estimates & forecasts by segment

2018-2027 (USD Billion)

TABLE 40. RoAPAC Knock Out Mouse Model Market estimates & forecasts, 2018-2027

(USD Billion)

TABLE 41. RoAPAC Knock Out Mouse Model Market estimates & forecasts by segment

2018-2027 (USD Billion)

TABLE 42. RoAPAC Knock Out Mouse Model Market estimates & forecasts by segment

2018-2027 (USD Billion)

TABLE 43. Brazil Knock Out Mouse Model Market estimates & forecasts, 2018-2027

(USD Billion)

TABLE 44. Brazil Knock Out Mouse Model Market estimates & forecasts by segment

2018-2027 (USD Billion)

TABLE 45. Brazil Knock Out Mouse Model Market estimates & forecasts by segment

2018-2027 (USD Billion)

TABLE 46. Mexico Knock Out Mouse Model Market estimates & forecasts, 2018-2027

(USD Billion)

TABLE 47. Mexico Knock Out Mouse Model Market estimates & forecasts by segment

2018-2027 (USD Billion)

TABLE 48. Mexico Knock Out Mouse Model Market estimates & forecasts by segment

2018-2027 (USD Billion)

TABLE 49. RoLA Knock Out Mouse Model Market estimates & forecasts, 2018-2027

(USD Billion)

TABLE 50. RoLA Knock Out Mouse Model Market estimates & forecasts by segment

2018-2027 (USD Billion)

TABLE 51. RoLA Knock Out Mouse Model Market estimates & forecasts by segment

2018-2027 (USD Billion)

TABLE 52. Row Knock Out Mouse Model Market estimates & forecasts, 2018-2027

(USD Billion)

TABLE 53. Row Knock Out Mouse Model Market estimates & forecasts by segment

2018-2027 (USD Billion)

TABLE 54. Row Knock Out Mouse Model Market estimates & forecasts by segment

2018-2027 (USD Billion)

TABLE 55. List of secondary sources, used in the study of global Knock Out Mouse Model Market

TABLE 56. List of primary sources, used in the study of global Knock Out Mouse Model Market

TABLE 57. Years considered for the study

TABLE 58. Exchange rates considered



## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Knock Out Mouse Model Market, research methodology
- FIG 2. Global Knock Out Mouse Model Market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods
- FIG 4. Global Knock Out Mouse Model Market, key trends 2019
- FIG 5. Global Knock Out Mouse Model Market, growth prospects 2021-2027
- FIG 6. Global Knock Out Mouse Model Market, porters 5 force model
- FIG 7. Global Knock Out Mouse Model Market, pest analysis
- FIG 8. Global Knock Out Mouse Model Market, value chain analysis
- FIG 9. Global Knock Out Mouse Model Market by segment, 2018 & 2027 (USD Billion)
- FIG 10. Global Knock Out Mouse Model Market by segment, 2018 & 2027 (USD Billion)
- FIG 11. Global Knock Out Mouse Model Market by segment, 2018 & 2027 (USD Billion)
- FIG 12. Global Knock Out Mouse Model Market by segment, 2018 & 2027 (USD Billion)
- FIG 13. Global Knock Out Mouse Model Market by segment, 2018 & 2027 (USD Billion)
- FIG 14. Global Knock Out Mouse Model Market, regional snapshot 2018 & 2027
- FIG 15. North America Knock Out Mouse Model Market 2018 & 2027 (USD Billion)
- FIG 16. Europe Knock Out Mouse Model Market 2018 & 2027 (USD Billion)
- FIG 17. Asia pacific Knock Out Mouse Model Market 2018 & 2027 (USD Billion)
- FIG 18. Latin America Knock Out Mouse Model Market 2018 & 2027 (USD Billion)
- FIG 19. Global Knock Out Mouse Model Market, company market share analysis (2019)

## I would like to order

Product name: Global Knock Out Mouse Model Market Size study, by Type (Constitutive Knockout Mouse, Conditional Knockout Mouse, Protein Function Knockout Mouse), by End User (Clinical Research Organizations, Pharma & Biotechnology Companies, Others), by Application (Oncology, Neurology, Cardiovascular, Others) and Regional Forecasts 2021-2027

Product link: <https://marketpublishers.com/r/G68FA468A5D9EN.html>

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

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G68FA468A5D9EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below  
and fax the completed form to +44 20 7900 3970